ITEM

43. Call to Order

44. Adoption of Agenda

45. Announcements

46. Report on Executive Session

47. Discussion Items

48. Items for Receipt

49. Items for Action

50. Dates of Future Meetings

51. Contingency Time

52. Adjournment
LIST OF APPENDICES

I    Agenda Overview
II   Reflections on Past Year
III  SET Report on Strategic Priorities
IV   Latin America Report
V    Pathway 2025 Update
VI   Update on TEC & GPS Transition & Communication Efforts
VII  Sector Management Committee Report
VIII EDESC Annual Report
IX   COG Annual Report
X    CY13 Fellows Listing
XI   Approved Society Awards Listing
XII  Proposed Appointments
XIII By-Law B3.1.8 for First Reading
XIV  By-Law B3.2 for First Reading
XV   By-Law B4.2.2.2 for First Reading
XVI  By-Law B4.3 for First Reading
XVII By-Law B5.2 for First Reading
XVIII By-Law B5.5 for First Reading
XIX  By-Law B5.4 for Second Reading
XX   By-Law B5.6 for Sunset First Reading
XXI  Society Policy P-15.8
XXII Society Policy P-15.12
XXIII Defined Benefit Pension Plan Amendment
XXIV Delegation of Authority for ASME Officer to Sign UBS Corporate Resolution
43. **Call to Order:**

On June 8, 2014, a meeting of the Board of Governors of the American Society of Mechanical Engineers was held in Portland, OR. A quorum being present, the meeting was called to order by the President at 12:21 PM Pacific Time. Attendance was as follows:

**Board of Governors**
- President: Madiha Kotb
- Immediate Past President: Marc W. Goldsmith
- President-Elect: J. Robert Sims

**Other Officers**
- Senior Vice Presidents: Kenneth R. Balkey, Standards and Certification
- Robert E. Grimes, Institutes
- Karen J. Ohland, Knowledge and Community
- Cynthia M. Stong, Student & Early Career Development
- William J. Wepfer, Public Affairs and Outreach

- Vice Presidents: Eduardo Barrientos, Affinity Communities
- Bryan Erler, Conformity Assessment
- Luc Geraets, Technical Communities
- Kalan Guiley, Government Relations
- Jared Oehring, Financial Operations

- Secretary and Treasurer: Warren R. DeVries
- Executive Director: Thomas G. Loughlin
- Deputy Executive Director: June Ling (also Second Assistant Treasurer)
- Assistant Secretary: John Delli Venneri
- Assistant Treasurer: William Garofalo

**Board of Governors Elects**
- Urmila Ghia
- John Goossen
- John Tuohy
Senior Vice President Elect
Laura E. Hitchcock Standards and Certification

Board Committee Chairs
Thomas M. Barlow Committee of Past Presidents (CPP)
James W. Coaker Committee on Finance and Investment (COFI)

Corporate Counsel
John Sare

Other Guests
Frank Adamek Foundation Board Member
Harry Armen Past President, 2004-2005
Jennifer Jewers-Bowlin Past Vice President
Ruander Cardenas VOLT ECLIPSE Intern, 2013-2014
Richard Goldstein Past President, 1996-1997
Daniel Kearney ECLIPSE Intern to BOG, 2013-2014
Steve Long Member
Scot MacEwan Member
Chris Przirembel Public Affairs and Outreach Council
K. Keith Roe Past Chair, ASME Foundation
Amip Shah Affinity Communities Operation Board Member
Ashish Sinha BOG ECLIPSE Intern 2014-2015
Terry Shoup Past President, 2006-2007
Susan Skemp Past President, 2002-2003
Fred Stong Committee on Organization and Rules
Keith Thayer Past President, 1997-1998
Reggie Vachon Past President 2003-2004
Sam Y. Zamrik Past President, 2007-2008

Staff
Roy Arbeit Managing Director, Marketing & Sales
William Berger Managing Director, Standards
Keith Bloesch Director, Process Improvements & Implementation
Peter Cestaro Director, Benefits and Payroll
Shekhar Chandrashekar Managing Director, Programs
Michael Cowan Director, Public Information
Philip DiVietro Managing Director, Publishing
John Falconi Editorial Director, Mechanical Engineering
Nick Ferrari Director, Publishing Development & Media Sales
Peter Hess Managing Director, Marketing & Online Services
Michael Ireland Managing Director, Engineering Research & Technical Development
John Koehr Managing Director, Technology & Personnel Certification
Michael Kreisberg Director, Membership Development
Elio Manes Director, Communities & Services
Tom Meehan Controller
Michael Merker Managing Director, Conformity Assessment
Michael Michaud Managing Director, Global Alliances
44. **Adoption of the Agenda:** The Board

VOTED: to adopt the agenda as circulated on May 23, 2014.

45. **Announcements:**

The President welcomed all to the meeting and recognized Past Presidents Harry Armen, Tom Barlow, Richard Goldstein, Terry Shoup, Susan Skemp, Keith Thayer, Reggie Vachon and Sam Zamrik; Daniel Kearney as ECLIPSE Intern and welcomed Ashish Sinha, the 2014-2015 ECLIPSE Intern.

46. **Report on Executive Session**

There was a report given by Madiha Kotb on the June 8, 2014 Executive Session. The following was reported: (1) Approved the selection of Honorary Members and ASME Medalist; (2) FY14 Q3 Enterprise Update and Year-End Projections and Year-End Report on Executive Director’s Performance Goals; (3) Approved the Report on the Executive Director’s Performance Evaluation and Compensation Recommendations; (4) Receipt of update on the FY14 Volunteer/Staff Collaboration Survey; (5) Appointed Robert E. Grimes as Senior Vice President of the Technical Events and Content Sector; and (6) receipt of a report from the Corporate Counsel.

47. **Discussion Items:** The Board

VOTED: to move into open session, as if in the Committee of the Whole.

The Board heard reports concerning and discussed the following items:

Agenda Overview by Thomas Loughlin (Minutes Appendix I); Sector Management Committee Report by J. Robert Sims (Agenda Appendix 4.1.1 and Minutes Appendix VII); Reflections on Past Year by Madiha Kotb (Agenda Appendix 2.5 and Minutes Appendix II); SET Report on Strategic Priorities by John Koehr, Michael Michaud, Shekhar Chandrashekh and Michael Cowan (Agenda Appendix 2.6 and Minutes Appendix III); Latin American Report by Keith Bloesch, Michael Michaud and Mark Sheehan (Agenda
Appendix 2.7 and Minutes Appendix IV); Pathway 2025 Update by Thomas Loughlin and June Line (Agenda Appendix 2.8 and Minutes Appendix V); and Update on TEC & GPS Transition & Communication Efforts by Stacey Swisher Harnetty, Karen Ohland and Bobby Grimes (Agenda Appendix 2.9 and Minutes Appendix VI);

Following the close of the Discussion Items, the Board

VOTED: to move into formal session.

48. Items for Receipt: The Board

VOTED: to receive the following items: (1) Sector Management Committee Report (Agenda Appendix 4.1.1 and Minutes Appendix VII); (2) EDESC Annual Report (Agenda Appendix 4.1.2 and Minutes Appendix VIII); (3) COG Annual Report (Agenda Appendix 4.1.3 and Minutes Appendix IX); (4) CY13 Fellows Listing (Agenda Appendix 4.1.4 and Minutes Appendix X); and (5) Approved Society Awards Listing (Agenda Appendix 4.1.5 and Minutes Appendix XI).

49. Items for Action: The Board

VOTED: to approve the following items: (1) Minutes from the Meeting on April 25, 2014; (2) Proposed Appointments (Agenda Appendix 4.2.3 and Minutes Appendix XII); (3) Proposed Revisions to By-Law B3.1.8 (Agenda Appendix 4.2.4.1 and Minutes Appendix XIII); (4) Proposed Revisions to By-Law B3.2 (Agenda Appendix 4.2.4.2 and Minutes Appendix XIV); (5) Proposed Revisions to By-Law B4.2.2.2 (Agenda Appendix 4.2.4.3 and Minutes Appendix XV); (6) Proposed Revisions to By-Law B4.3 (Agenda Appendix 4.2.4.4 and Minutes Appendix XVI); (7) Proposed Revisions to By-Law B5.2 (Agenda Appendix 4.2.4.5 and Minutes Appendix XVII); (8) Proposed Revisions to By-Law B5.5 (Agenda Appendix 4.2.4.6 and Minutes Appendix XVIII); (9) Proposed Revisions to By-Law B5.4 (Agenda Appendix 4.2.5.1 and Minutes Appendix XIX); (10) Proposed Sunset for By-Law B5.6 (Agenda Appendix 4.2.6.1 and Minutes Appendix XX); (11) Proposed Society Policy Revisions P-15.8 (Agenda Appendix 4.2.7.1 and Minutes Appendix XXI); (12) Proposed Society Policy Revisions P-15.12 (Agenda Appendix 4.2.8.1 and Minutes Appendix XXII); (13) Defined Benefit Pension Plan Amendment (Agenda Appendix 4.2.9 and Minutes Appendix XXIII); and (14) Delegation of Authority for ASME Officer to Sign UBS Corporate Resolution (Agenda Appendix 4.2.10 and Minutes Appendix XXIV).

50. Dates of Future Meetings. The Board approved meeting dates and times as follows:

<table>
<thead>
<tr>
<th>DATE</th>
<th>DAY</th>
<th>TIME</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 11, 2014</td>
<td>Wednesday</td>
<td>10:00 AM – 11:15 AM – Exec. Session</td>
<td>Portland, OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11:30 AM – 3:00 PM – Open Session</td>
<td></td>
</tr>
<tr>
<td>September 18, 2014</td>
<td>Thursday</td>
<td>12:00 PM – 5:00 PM</td>
<td>New York, NY</td>
</tr>
</tbody>
</table>
51. **Contingency Time:**

President Kotb recognized Marc Goldsmith as Immediate Past President, the three retiring Board members Betty Bowersox, Julio Guerrero, and Charla Wise whose terms conclude after the meeting, and Daniel Kearney as BOG ECLIPSE Intern all of whom reflected on their service, and thanked Tom Loughlin and staff.

52. **Adjournment:** The meeting was adjourned on Sunday, June 8, 2014 at 3:08 PM Pacific Time.

Warren R. DeVries
Secretary
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: June 2, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: (Sector/Unit/Task Force/Other) Committee on Honors
Presented by: Tom Loughlin
Agenda Title: Agenda Overview

Agenda Item Executive Summary: *(Do not exceed the space provided)*

An overview of the agenda will be provided.

Proposed motion for BOG Action: *(if appropriate)*

None.

Attachments:

Slides.
ASME VISION

To be the essential resource for mechanical engineers and other technical professionals throughout the world for solutions that benefit humankind.
**Mission:** ASME’s mission is to serve diverse global communities by advancing, disseminating and applying engineering knowledge for improving the quality of life; and communicating the excitement of engineering.

**Core Values:**
In performing its mission, ASME adheres to these core values:
• Embrace integrity and ethical conduct
• Embrace diversity and respect the dignity and culture of all people
• Nurture and treasure the environment and our natural and man-made resources
• Facilitate the development, dissemination and application of engineering knowledge
• Promote the benefits of continuing education and of engineering education
• Respect and document engineering history while continually embracing change
• Promote the technical and societal contribution of engineers

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**6/8 Open Session Agenda Review:**

**Discussion Items:**

1. SMC Report…J. Robert Sims (Item 2.4)
2. Reflections of the Past Year…Madiha Kotb (Item 2.5)
   1. Report on Strategic Priorities…John Koehr, Michael Michaud, Shekhar Chandrashekhar (Item 2.6)
4. Latin America Update:
   1. Latin America Report …Keith Bloesch, Michael Michaud, & Mark Sheehan (Item 2.7)
5. Pathway 2025 Update… Tom Loughlin, & June Ling (Item 2.8)
6. Update on TEC & GPS Transition & Communication Efforts… Stacey Swisher Harnetty, Karen Ohland, & Bobby Grimes (Item 2.9)
Date Submitted: May 23, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
Presented by: Madiha El-Mehelmy Kotb
Agenda Title: Reflections on Past Year

Agenda Item Executive Summary: (Do not exceed the space provided)

President Madiha El-Mehelmy Kotb will provide her reflections on the past year.

Proposed motion for BOG Action: (if appropriate)

None.

Attachments:

PowerPoint
Reflections on the Year

Madiha El-Mehelmy Kotb
ASME President 2013-2014

BOG Meeting
June 8, 2014

ASME’s Commitments

• Expanding opportunities
• Greater inclusion and participation
• Streamlining processes to facilitate contribution and engagement
Three Goals

- Optimize and Simplify ASME
- Strategic Initiatives
- Cultivating an Enhanced Safety Culture

Optimize and Simplify

- Engage the global engineer community *virtually*
- Cross-sector collaboration / New TEC Sector / Group Pathways & Support
- Restructured Leadership Training
Strategic Initiatives – Highlights

- Pathway 2025
- KCI Re-Organization
- Advanced Manufacturing
- Energy Forum
- Decision Point Dialogues
- Vision 2030

Cultivating Enhanced Safety Culture

- Greater need to bolster public trust
- Strong safety culture through standards
- Engineers as ambassadors of technology & tech literacy
Global Outreach

- **Latin America** – *Strategy*
  BOG Retreat in Brazil / development of Latin American business strategy

- **South Africa** – *Education*
  COVIDSET – Deans of African Sci/Tech

- **India** – *Regulation*
  Secure ASME Boiler/Pressure Vessel in Regulations

- **Singapore** - *Global Public Policy*
  ASME at the WFEO

- **China** - *Relationships/Business Development*
  Long-term continuing partner cultivation

- **Europe** - *Conferences & Training*
  Continuing international business practices

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Financial Accomplishments

**Strategic Finance Group**
- New budgeting and business evaluation processes

**Proactive Risk Mitigation**
- Consolidated banking success
- Sales and use tax project

**Financial Responsibility**
- Synergies and savings
- Reduced external consulting
- Greater scrutiny
- Process efficiencies
- Travel management and Invoice Automation processing
S&C Milestones

• Expanding International participation
  • Standards – digitized and translated for broader use
  • More international volunteers serving on committees
  • IWG interest growing

• 100th Anniversary of the Boiler Code
Date Submitted: May 20, 2014  
BOG Meeting Date: June 8, 2014  

To: Board of Governors  
From: Strategy Execution Teams (SETs)  

Agenda Item Executive Summary: *(Do not exceed the space provided)*  

This is an update to the BOG on recent SET activities.  

**Presenters:**  
Bobby Grimes, John Koehr  
Bill Wepfer/Cindy Stong, Shekhar Chandrashekh  
Ken Balkey, Mike Michaud  
Michael Cowan  

**Proposed motion for BOG Action:** *(if appropriate)*  
No Action  

**Attachments:**  
One
FY14 – Q3
Strategy Summary
for the ASME
Board of Governors

Q3 Report
April 2014

Strategy Execution Teams Overview

ASME will foster a broader, competent, vibrant and more diverse engineering workforce with sustained engagement in ASME over all career stages.

ASME will serve as an essential energy technology resource and a leading advocate for technically sound energy policies.

ASME will collaborate to develop and provide locally relevant engineering resources that advance public safety and quality of life throughout the world.
The workforce strategy execution objectives and programs

- Increasing Technical Competency
- Workforce Strategy Execution
- Thought leadership initiative to bolster brand credibility

- Engineering education standards and assessment
- Training and Professional Development
- K-12 Programs
- Student Programs
- Decision Point Dialogs

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Workforce Development – Q3 Highlights

**ASME Decision Point Dialogues**
- Secured 12 STEM thought leaders to participate in the April 23rd event.
- Developed Socratic dialogue scenario (Critical Thinking, Critical Choices: What Really Matters in STEM)
- Engaged a different ASME sector stakeholders (marketing, public information, asme.org editorial, publishing, programs) to participate in building an engagement community on ASME.org for the dialogues (go.asme.org/dialogues + go.asme.org/STEM dialogues)
- Arranging all final details of the program, including content and on-site logistics
- Created a rich content program on ASME.org surrounding Dialogues rollout (including curated content, original content, blogs, podcast, webinar)

**SD&T-Technology & Personnel Certification**
- In Q3 there were 94 new certifications issued for a total of 237 in FY14. The FY14 goal is 300.

**Training and Development**
- Training participants for the quarter were 1,617 against a budget of 2,175, with shortfall across all delivery formats
- Successful Masterclass on Performance Based Codes for Elevators & Escalators and nine new Masterclasses scheduled for Q4
- First public course delivered in French in Lyon
- New Authorized Training Provider in Australia

**Engineering Education**
- ASME International ME Education Leadership Summit conducted with 132 participants. Focus on advanced manufacturing and curriculum that cultivates student innovation. Selected webinars to follow in Q4
Workforce Development

Current Activities

K12 Programs:
- Successful on-campus training has taken place in four new schools for the Engineering Ambassadors program.
- INSPIRE online, in-class instructional module, is now being used by 25 classrooms in the Washington, DC region.

Student Programs:
- IShow: Ten teams were chosen as finalists from 59 applications to compete during Q3 in Washington, DC—three prizes will be awarded.
- 425 students had participated in HPVC India event in Jan 2014
- 1519 students had participated in Student Professional Development Conferences in March 2014 hosted by BITS-Pilani India, University of Wisconsin and Clemson University ASME Student Sections

Engineering Education Standards and Assessment:
- ASME International ME Education Leadership Summit conducted with 132 participants. Focus on advanced manufacturing and student innovation.
- In Q3, 96 ME & MET degree programs across 7 countries requested ABET on-campus accreditation assessments this Fall involving 120 ASME program evaluators.

Workforce Development

Upcoming Activities

ASME Decision Point Dialogues

Student Programs
- The rest of 2014 Student Professional Development Conferences events will take place from Apr – June 2014
- HPVC East in Orlando, FL and HPVC West in San Jose, CA in the month of April
- Submissions to the first rounds of Innovative Advanced Manufacturing 3D (IAM3D) and Innovative Design Simulation (IDSC) challenges are accepted by May 31, 2014
- 8th Annual ASME IShow — April 28, 2014 — The Newseum – Washington, DC

Engineering Education Programs
- Post—summit webinars arising from the 2014 ASME International Mechanical Engineering Education Leadership Summit to begin in Q4.
- Intersection of Advance Manufacturing/Transformative Technologies & Engineering Education one of the major topics of the April IAB meeting.
Energy Dashboard

Energy Q3 Highlights

- BSC Energy-Related Measures
  - C3: 18 new/ 14 updated energy products in Q3; FY total 129 (Q2 target 83)
- Quarterly activities
  - Arctic Technology Conference – February 10-12, 2014 (Houston, TX)
  - ASME Energy Forum Live conference on shale development and hydraulic fracturing – March 17-19, 2014 (San Diego, CA)
  - Virtual Research Forum on hydraulic fracturing water issues - February 27, 2014 (Washington, DC)
  - ME Magazine features
  - ASME.org Energy features
  - Capitol Update articles
  - Other content: webinars, podcasts, videos
  - New ASME Energy Public Policy Task Force formed
Energy

Upcoming Activities

- **Enterprise events**
  - ASME Small Modular Reactor (SMR) Symposium - April 15-17, 2014 (Washington, DC)
  - ASME Energy Forum Live webinar on Liquefied Natural Gas (LNG) – June 5, 2014
  - ASME TurboExpo - June 16-20, 2014 (Dusseldorf, Germany)

- **Other activities**
  - 100th Anniversary of the Boiler and Pressure Vessel Code – celebration during boiler code meetings May 14, 2014 (Bellevue, WA)
  - ME Magazine features – May 2014 issue celebrates 50th anniversary of the ASME Nuclear Code
  - ASME.org Energy features
  - Capitol Update articles
  - S&C Update e-Newsletter
  - More energy content

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The Global Impact Index

**Summary:**
- The Global Impact Index is 1,450,567.
- This reflects a 8.2% increase from Q3 FY13, (-0.2% increase in North America).
- China, India and Latin America grew by 8.6% and are on track to meet 10% growth target for the year.

<table>
<thead>
<tr>
<th>Index</th>
<th>Growth since Q4 Previous Year</th>
<th>Growth over Same Period Previous Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>North America Index</td>
<td>-6.4%</td>
<td>-0.2%</td>
</tr>
<tr>
<td>Global Impact Index</td>
<td>-0.6%</td>
<td>8.2%</td>
</tr>
</tbody>
</table>

Note: additional details on the Global Index and its components are available on the BOG private site.
Global Impact
Q3 Highlights and Activities

- Peru adopted ASME CA program and currently requires that all Pressure vessels for use on refineries in Peru be ASME stamped and inspected by National Board, Authorized Inspection Agencies, or ASME inspectors.
- A delegation from China and representatives from India and the UK presented their local challenges and perspectives in the 2014 MEDH conference in March in Puerto Rico.
- ASME participated in the WFEO Executive Council meetings where R. Vachon was appointed Treasurer for 2014-16.
- The G-SET was recharged to consolidate reporting across ASME’s offices and look at applying the techniques developed for the Latin America project to other markets.
- The 2nd Edition of DEMAND was released and the 2013 Global Impact Report was produced for a release at the April BOG meeting.

Upcoming Activities

- To assess/grow market potential for current US based initiatives elsewhere, a Shale Gas Workshop is planned for Argentina and Advanced Manufacturing and Energy plenary sessions are being added to the ESDA conference in Copenhagen in the 4th Quarter.
- ASME is currently developing Standards Workshops in Mexico in May and Colombia in June. The Brazilian workshop in August is being expanded into joint event/conference/workshop with the Brazilian Association of NDE (ABENDI).
- Discussions continue to refine the UNESCO Fellow position and collaboration on Engineering Education projects in Africa.
- The 10 Experts and 3 Speakers for the Sino-US Technology Exchange Conference and Forum on Intelligent Manufacturing preparing for the upcoming event in May 2014.
Communications - FY14-Q3 Highlights

- **Press Releases**
  - ASME names the THRUSTSCC a Historic ME Landmark
  - Engineers Have Specialized Social Media Platform
  - Engineering – A Career that Pays

- **ASME News articles**
  - Decision Point Dialogues Focus on STEM
  - E4C Webinar Focuses on Advances in Water Treatment
  - Journal Issue on Additive Manufacturing
  - ASME Introduces Innovative Design Simulation Challenge

- **News Placements**
  - New Hope for the Mentally Disabled, News2
  - What if you could drive 100,000 miles on one fill-up? ABC News
  - GM Blog with Tom Loughlin on Manufacturing Fast Lane
  - Meeting the Standard – NPR Interviews The Take Away

- **Speeches**
  - Madiha Kotb – MET Section presentation
  - Madiha Kotb – H&H Landmark (UK)
  - Tom Loughlin – ImechE presentation – ASME Journey Toward

- **Video**
  - 2014 Advanced Manufacturing Impact Forum for ASME.org

More Information

- **BOG website**
  - [http://strategy.asme.org/home.cfm](http://strategy.asme.org/home.cfm)
The ASME Global Impact Index

- Comprised of key indicators including:
  - Web visits, ASME Membership, Conference Registrants, Training Course Participants, S&C Committee Volunteers, and Certified Manufacturers.

Growth indicators measure percent of growth over same period in previous FY. Shows positive or negative growth.

Volume indicators measure current value. Tracks numbers, not dollars.

*Percentage reflects growth Q2,FY13 – Q2,FY14. Value reflects current (quarterly) volume.
STRATEGY EXECUTION TEAMS

Energy - Workforce - Global

Q3 Fiscal Year 2014
April 2014
WORKFORCE SET

Q3 FY14 Team Report

Workforce related Balanced Scorecard measures

- In Q3 there were 94 new certifications issued for a total of 237 in FY14. The FY14 goal is 300.

Q3 Highlights

ASME Decision Point Dialogues

- Secured 12 STEM thought leaders to participate in the April 23rd event.
- Developed Socratic dialogue scenario (Critical Thinking, Critical Choices: What Really Matters in STEM)
- Engaged a different ASME sector stakeholders (marketing, public information, asme.org editorial, publishing, programs) to participate in building an engagement community on ASME.org for the dialogues (go.asme.org/dialogues + go.asme.org/STEM dialogues)
- Arranging all final details of the program, including content and on-site logistics
- Created a rich content program on ASME.org surrounding Dialogues rollout (including curated content, original content, blogs, podcast, webinar)

Training and Development:

- Training participants for the quarter were 1,617 against a budget of 2,175, with shortfall across all formats
- Successful Masterclass on Performance Based Codes for Elevators & Escalators and nine new Masterclasses scheduled for Q4
- First public course delivered in French in Lyon
- New Authorized Training Provider in Australia

Engineering Education

- ASME International ME Education Leadership Summit conducted with 132 participants. Focus on advanced manufacturing and curriculum that cultivates student innovation. Selected webinars to follow in Q4

K12 Programs:

- On-campus training has taken place in four new schools for the Engineering Ambassadors program.
- INSPIRE online, in-class instructional module, is now being used by 25 classrooms in the DC region.

Student Programs:

- IShow: Ten teams were chosen as finalists from 59 applications to compete during Q3 in Washington, DC—three prizes will be awarded.
- 425 students participated in HPVC India event in Jan 2014
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Upcoming Activities

Student Programs

- HPVC East in Orlando, FL and HPVC West in San Jose, CA in the month of April
- Submissions to Innovative Advanced Manufacturing 3D (IAM3D) and Innovative Design Simulation (IDSC) challenges
- 8th Annual ASME IShow — April 28, 2014 — The Newseum — Washington, DC

Engineering Education Programs

- Post-summit webinars arising from the 2014 ASME International Mechanical Engineering Education Leadership Summit to begin in Q4.
- Intersection of Advance Manufacturing/Transformative Technologies & Engineering Education one of the major topics of the April IAB meeting.
ENERGY SET

Q3 FY14 Team Report

Energy-Related Balanced Scorecard measures
- C3 – 18 new/14 updated energy products issued in Q3; FY total at 129 (Q2 target 83)

Q3 Highlights

Enterprise energy events:
- International Gas Lift Workshop – February 3-7, 2014 (Houston, TX)
- Arctic Technology Conference – February 10-12, 2014 (Houston, TX)
- ASME Energy Forum Live conference on shale development and hydraulic fracturing – March 17-19, 2014 (San Diego, CA)
- Offshore Technology Conference (OTC) Asia – March 25-28, 2014 (Kuala Lumpur, Malaysia)

Other energy activities:
- New standards-related documents:
  - POM-101, Performance Related Outage Inspections
  - STP-NU-067, Roadmap for the Development of ASME Code Rules for Fusion Energy Devices
- Webinars:
- Podcasts (The Future of Hydraulic Fracturing, Developing Environmental Standards for Hydraulic Fracturing, Sustainable Engineering and Alternative Energy Sources)
- Videos (Solar Energy Solutions, Nanoengineering for Energy and Sustainability)
- ME Magazine features (Energy column, shale gas and oil, fuel cells, wind, hydraulic fracturing, nuclear, Global Gas Turbine News, thermal energy control)
- ASME.org Energy features (nuclear, small modular reactors, hydraulic fracturing, energy storage, wind, solar, geothermal)
- Capitol Update articles (energy policy, energy R&D funding, power plant emissions, hydraulic fracturing, liquefied natural gas, electric grid, coal, energy efficiency, renewable energy, energy-water nexus, quadrennial energy review, oil transport, FutureGen, renewable fuel standards, EIA annual energy outlook)
- S&C Update e-Newsletter (February 2014) - Energy Spotlight (energy efficiency standardization roadmap)
- Virtual Research Forum on hydraulic fracturing water issues - February 27, 2014 (Washington, DC)
- Formation of new ASME Energy Public Policy Task Force under ASME Government Relations
- Issued new position statement PS13-22, Energy Science Coalition FY14 Appropriations Letter
- Inter-Sector Committee on Federal R&D (ISCFRD) - March 17, 2014 (Washington, DC)

Upcoming Activities

Enterprise energy events:
- ASME Small Modular Reactor (SMR) Symposium - April 15-17, 2014 (Washington, DC)
- ASME Energy Forum Live webinar on Liquefied Natural Gas (LNG) – June 5, 2014
- ASME TurboExpo - June 16-20, 2014 (Dusseldorf, Germany)

Other energy activities:
- 100th Anniversary of the Boiler and Pressure Vessel Code – celebration during boiler code meetings May 14, 2014 (Bellevue, WA)
- ME Magazine features – May 2014 issue celebrates 50th anniversary of the ASME Nuclear Code
- ASME.org Energy features
- Capitol Update articles
- S&C Update e-Newsletter
• More energy content
GLOBAL SET

Q3 FY14 Team Report

BSC Global-Related Measures

- The Global Impact Index is 1,450,567. This reflects an 8.2% increase from Q3 FY13, -0.2% increase in North America.
- China, India & Latin America grew by 8.6% and are on track to meet the FY14 10% growth target.

Q3 Highlights

Standards and Related Activities:
- Peru adopted ASME CA program and currently requires that all Pressure vessels for us on refineries in Peru be ASME stamped and inspected by National Board, Authorized Inspection Agencies, or ASME inspectors.
- ASME is currently developing Standards Workshops in:
  - Mexico May 28-29, 2014 in Veracruz to reach oil and nuclear industries.
  - Colombia June 12-13, 2014 with IHS as a partner.
  - The Brazilian workshop in August 18-22 in Sao Paulo is being expanded into joint event/conference/workshop with the Brazilian Association of NDE (ABENDI).
- A new Authorized Training Provider (ATP) was signed in Australia and discussions are ongoing with Cidesi to become an ATP in Mexico. The first ASME public course taught in French was held in Lyon France.

Other Activity
- Conference Activities was slow in Q3 with only 2 ASME conferences held, both in the US. The Human Powered Vehicle Competition and the Student Professional development Conference were both held in India.
- A delegations from China and representatives from India and the UK presented their local challenges and perspectives in the 2014 MEDH conference in March in Puerto Rico.
- ASME participated in the World Federation of Engineering Organizations (WFEO) Executive Council meetings where R. Vachon was appointed Treasurer for 2014-16.
- In an effort to expand strategic initiatives globally and develop a better understanding of local markets, a Shale Gas Workshop is planned for Argentina on June 23-24, 2014 with speakers from the March event in San Diego. In addition, Advanced Manufacturing and Energy plenary sessions are being added to the ESDA conference in Copenhagen June 25-26, 2014.
- The 2nd Edition of DEMAND was released and the 2013 Global Impact Report was produced for a release at the April BOG meeting.
- The 10 Experts and 3 Speakers for the Sino-US Technology Exchange Conference and Forum on Intelligent Manufacturing were finalized in May 2014.

Ongoing Activities
- Discussions continue to refine the UNESCO Fellow position and collaboration on Engineering Education projects in Africa.
- The G-SET was recharged to consolidate reporting across ASME’s offices and look at applying the techniques developed for the Latin America project to other markets.
- The Latin America Project Team continues to meet and coordinate activities. A final report is planned for June 2014.
COMMUNICATIONS

Q3 FY14 Team Report -

- **Media Placements:**
  - New Hope for the Medically Disabled *NewsUSA* (3/20)
  - Engineers as Entrepreneurs *NewsUSA* (3/11)
  - What If You Could Drive 100,000 Miles on One Fill-Up? *ABC News* (3/11)
  - ASME Selects Adicio to Manage New Engineering Job Board and Career Center (2/12)
  - ASME President Madiha Kotb featured in Diversity/Careers in Engineering (2/15)
  - Why Product Standards? *NewsUSA* (2/22)
  - Penn State Professor named ASME fellow *Penn State News* (2/4)
  - Off-Road Wheelchair Helps People with Disabilities *LiveScience* (1/31)
  - General Motors blog on Manufacturing with Tom Loughlin *FastLane* (1/28)
  - Air Liquide’s Victoria Rockwell makes the most of math in her career *HMNS blog* (1/21)
  - Meeting the Standard NPR interviews *The Take Away* (Jan. 2014)
  - Middle Schoolers get learning experience in engineering *NY 1 News* (1/17)
  - Congress on NEMB to look at cancer in a new way *Nanowerk* (1/16)

- **ASME News articles:**
  - Decision Point Dialogues Focus on STEM, 3/38
  - Supersonic Car Added to ASME’s Landmark Roster, 3/38
  - Alabama Students win ASME Award at Future City Finals, 3/28
  - ASME offers Webcast from Shale Development & Hydraulic Fracturing Conference, 3/14
  - Low Interest ASME Student Loans Available, 3/14
  - E4C Webinar Focuses on Advances in Water Treatment, 3/14
  - ASME Section Helps Celebrate Family Day in Washington DC, 2/28
  - Hundreds Gather at NEMB 2014 for Speakers, Technical Sessions and Tutorials, 2/14
  - ASME to Award More Than $220,000 in Scholarships, 2/14
  - DiscoverE Week, Introduce a Girl to Engineering Day, 2/14
  - Papers Requested for Special Journal issue on Additive Manufacturing, 2/14
  - Inaugural HPVC India is a Resounding Success, 1/31
  - ASME Introduces Innovative Design Simulation Challenge, 1/31
  - ASME.org More Engaging and Interactive, 1/31
  - ASME President Honored by Egyptian Mechanical Engineering Society, 1/16
  - ASME Foundation Sponsors FIRST Robotics Team from DC
  - IPTI and ASME Training & Development to Host Pipeline Training Week Event, 1/16

- **Speeches:**
  - M. Kotb – MET Section presentation (3/20)
  - M. Kotb – H&H landmark (UK) comments (3/15)
  - B. Sims – Speech training (1/14)
Date Submitted: May 20, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
Presented by: Keith Bloesch, Michael Michaud, Mark Sheehan
Agenda Title: Latin America Report

Agenda Item Executive Summary: *(Do not exceed the space provided)*

A report on Latin America will be given.

Proposed motion for BOG Action: *(if appropriate)*

None.

Attachments:
Presentation
Latin America Project

Strategy Update and Roll Out
June 8, 2014

Agenda

I. Project Status Update        Bloesch
   ➢ Project Plan
   ➢ Approach
   ➢ Example Deliverables

II. Key Learnings and Focus Areas     Sheehan

III. Roll-Out Strategy     Michaud
LA Project Plan and Example Deliverables: Phase 1. Plan Project / Assess and Inventory Current State and Data

Example:

- Mobilized cross-functional project team with defined roles and responsibilities
- Project scope and plan
- Defined project success factors
- Inventory of existing ASME primary and secondary research/data
- Macroeconomic overview
- Inventory of existing footprint in Latin America (LA) for eight countries in scope with comparisons to other countries/regions
- Initial high level identification of opportunities, risks, and barriers to entry
- Initial template for evaluation framework by market, product, industry, etc.
- Initial inventory of ASME in-house skills
- Initial project timeline with key milestones
- Project charter

LA Project Plan and Example Deliverables: Phase 2. Perform Initial Market and Country Analysis

Example:

- Gap analysis on existing and required research and data, including:
  - Regulatory environment
  - Political risks and other barriers to entry
  - Competitive analysis
  - Potential customer base data
  - Trends and growth rates data
  - Documented lessons learned from previous LA efforts
  - Evaluation of need for potential 3rd party relationships
  - High level country by country assessment and related framework
  - Initial inventory of countries and products for due diligence

Legal Due Diligence Questions
- Does ASME have legal permission from the government to work in Brazil?
- Does Brazil have a “Tax Treaty” with the US? If so, may override some local rules
- How will Brazil tax ASME (either current US entity or the local one established) to do business in Brazil?
- How are US employees who work in Brazil taxed?
- What is the Tax Structure in Brazil?
- Any other Tax Liability that ASME would be exposed to? Document recording issues? Property Net worth?
- Are there Import (customs) Taxes?
- How expensive is the local entity to establish and maintain?
- How does the foreign country treat US owners?
- How would Brazil’s taxes be distributed to ASME?
LA Project Plan and Example Deliverables:
Phase 3. Gather Additional Data and Perform Due Diligence

P3. Deliverables
- Assessment of market future prospects including impact of external factors (regulations, technologies, substitutes)
- Determination of need to “walk in shoes” of local market via site visits (i.e., meeting local companies, govt. and regulatory agencies, business bureaus, etc.)
- Understanding of market’s demand dynamics including drivers and purchase criteria
- Determination of need to “walk in shoes” of local market via site visits (i.e., meeting local companies, govt. and regulatory agencies, business bureaus, etc.)
- Evaluation of key market and industry trends and dynamics

LA Project Plan and Example Deliverables:
Phase 4. Utilize Framework to Shortlist Countries/Products/etc.

P4. Deliverables
- Evaluation of opportunities utilizing decision framework agreed upon with ELT and other key stakeholders
- Evaluation of ASME financial, operational, and cultural capabilities to execute market plans
- Evaluation of opportunities utilizing decision framework agreed upon with ELT and other key stakeholders
- Updated quantitative and qualitative success factors
- Shortlist of countries and products to perform financial modeling

Example:
- Example:

Section 1. Executive Summary

Brazil and Mexico’s GDGs are third of the other Latin America countries (LAC) and account for 42 percent of all GDP countries in the region. According to SAP (2012) and Mexico’s (2011) Credit Rating, Mexico and Brazil have a “renumerous” grade (which compares to India’s grade), with Brazil ranking “Positive” and Mexico ranking “Neutral” according to Mexico’s. Life expectancy in Brazil and Mexico is higher than China or India and is slowly rising.

Brazil is recently challenged with the devaluation of the Real and potential clients in Brazil are facing with a contraction in their budgets. Mexico on the other hand appears to be creating markets to oil and gas exploration and foreign investment. This is expected to have a longer-term positive impact for Mexico that could look well for ASME.

Moreover, of late, Mexico also has a weakening of the Peso. Clearly, reasonable pricing effectiveness in emerging market currencies and the U.S. dollar will be essential to make U.S. products affordable. This price difference will be a certainty moving target for U.S. entities such as ASME. Deep discounts for these two markets will be required by the customer base. Calculating that threshold (ASME proprietary information) will take some time.

Example:
- Example:
LA Project Plan and Example Deliverables:
Phase 5. Calculate ROI and Develop Business Plans

- Estimated costs and revenue by country by product per quarter/year
- Documentation of key assumptions
- Prioritization of ‘best fit’ countries and products to meet ASME’s needs
- Recommendations on investment strategies
- Integration of anticipated ROIs into ASME’s overall budgeting process
- Strategic blueprint with actionable business and mission goals

Example:

<table>
<thead>
<tr>
<th>Date</th>
<th>Country</th>
<th>Product Type</th>
<th>Sales</th>
<th>Profit</th>
<th>Revenue</th>
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<tbody>
<tr>
<td>2013</td>
<td>Brazil</td>
<td>1</td>
<td>120</td>
<td>100</td>
<td>2000</td>
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<td>2014</td>
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<td>2015</td>
<td>Brazil</td>
<td>3</td>
<td>180</td>
<td>140</td>
<td>3000</td>
</tr>
</tbody>
</table>

Agenda

I. Project Status Update
   - Bloesch
     - Project Plan
     - Approach
     - Example Deliverable

II. Key Learnings and Focus Areas
    - Sheehan

III. Roll-Out Strategy
     - Michaud
Key Learnings and Focus Areas

- Industry
- Country
- Risk Mitigation
- Local Market Knowledge and Relationships

Key Learnings and Focus Areas

- Industry
  - Focus on industries where ASME has the most to offer
  - Oil & Gas
  - Nuclear
  - In the future – Advanced Manufacturing?
Estimates of untapped energy reserves

LAC region contains vast reserves of petroleum, natural gas, and technically recoverable shale gas. The eight countries evaluated control ~23% of the world’s proven oil reserves, with Venezuela alone accounting for 20%. LAC also has 4% of the natural gas reserves and nearly 27% of the world’s technically recoverable shale gas.

Sources:

Industry Focus

Oil and Gas Production and Consumption

Mexico, Brazil, and Venezuela are in the top 15 world oil producers. Increasing oil exploration, production, consumption, and export. LAC countries typically do not have refineries capable of processing heavier crudes and therefore export to U.S. and import refined products. Increasing natural gas production and consumption. Many countries are net importers of natural gas via pipeline and via LNG (Peru exports LNG). Oil and gas pipelines are under construction.

Sources:
O&G ties to ASME Opportunities

• Continued Infrastructure Construction
  – Oil and gas pipelines
  – Oil refineries
  – Natural gas-fired electric generation plants
  – LNG regasification or liquefaction facilities

• Growth hinges on Qualified Workforce
  – Expanded Training and Certification Opportunities

Key Learnings and Focus Areas

Country
• Population, GDP, Energy production/use
• Future growth projections
• Match to ASME’s strengths
• Tier 1 countries: Brazil & Mexico
  – Centralized oil & gas industry
  – Poised for growth
• Maintain interest in other countries: Argentina, Colombia, Peru
Key Learnings and Focus Areas

• Risk Mitigation
  – Need to protect Intellectual Property Rights
  – Local taxes – utilize third parties
  – Political environment
    • Argentina economic protests
    • Venezuela
    • Peru
    • Colombia

Key Learnings and Focus Areas

• Local Market Knowledge and Relationships
  – Direct feedback on local needs
    • Engage liaisons in both Mexico and Brazil
    • Organize advisory groups
    • Determine what ASME can do for local engineers/industry
  – Create or redirect content to address needs
    • Training
    • Conferences
I. Project Status Update
   - Project Plan
   - Approach
   - Example Deliverable

II. Key Learnings and Focus Areas

III. Roll-Out Strategy

Roll-Out Strategy in Latin America

• Continue to Strengthen ASME’s Current Base Across All Latin America:
  – Codes and Standards
    • Through Workshops, increased Marketing, Spanish Code Committees and New Products
  – Training
    • Through Authorized Training Providers and new locally developed courses
  – Publications
    • Through Agents and coordinated Marketing Activities
  – Conferences
    • Alone and through Partners
Recent Developments

- Local Code References
  - Section VIII now referenced in Peru

- New Training Providers:
  - ABENDI – Brazil

- New Publications Distributors
  - Digital Collection License - UNAM - Mexico

- OTC Brazil
  - FY15 will be in 3rd Edition

- Pipeline Geo Technical Conference
  - Launched in Colombia in FY 14
  - Will be held in Brazil in FY 15

The biggest internal gaps in local market and relationships:

<table>
<thead>
<tr>
<th>Country</th>
<th>C&amp;S*</th>
<th>Conformity Assessment</th>
<th>Training</th>
<th>Membership/Conferences</th>
<th>Publications</th>
<th>FY 2013 Total</th>
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</thead>
<tbody>
<tr>
<td>Mexico</td>
<td>201,171</td>
<td>713,548</td>
<td>34,994</td>
<td>28,459</td>
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<td>17,567</td>
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<tr>
<td>Colombia</td>
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<td>109,153</td>
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<td>53,286</td>
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<td>72,284</td>
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<tr>
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<td>111,578</td>
<td>7,460</td>
<td>97,482</td>
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</table>

Through a combination of local liaisons and volunteer advisors:
- Strengthen relationships with local industry leaders and Govt. Officials.
- Gain a better understanding of regulatory restrictions and opportunities
- Understand local industry needs better to serve customers and shape programs.
New Strategy for Added Growth continued

Biggest Opportunity in ASME Product Revenue

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<td>$26,137</td>
<td>$10,013</td>
<td>$261,128</td>
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</table>

Using Input from local Liaisons, Industry Leaders and Advisors:
• Develop Conference Competency
• Expand locally developed ASME Content
• Expand Local Content Contributors

Build a Conference Platform

Integrate to Content Ecosystem

Reinforce Local Standards, Advocacy & Industry Outreach Efforts

Build a Conference Platform

Align: Content, Marketing and Sales with ASME.ORG etc.
New Strategy for Added Growth continued

Biggest Internal Gaps in local Market and Relationships

- Reinforce Local Standards Advocacy & Industry Outreach Efforts
  - Using Input from local Liaisons Industry Leaders and Advisors:
    - Develop Conference Competency
    - Expand locally developed ASME Content
    - Expand Local Content Contributors
  - Align: Content, Marketing and Sales with ASME.ORG etc.

Biggest Opportunity in ASME Product Revenue

Integrate to Content Ecosystem

LA Project Plan and Deliverables:
Phase 6. Develop and Execute Market Entry Plans

Three Next Steps:
1. Local Liaison & Advisory Groups
   - To guide ASME’s regulatory strategy, make introductions, etc.
   - To shape ASME’s event strategy, align with local industry needs

2. Industry Focused Events and Activities
   - To address specific local needs while generating revenue, content and content contributors

3. Media Connection
   - To connect events and content producers to ASME.ORG, the content ecosystem and the value chain
LA Strategy Timeline

Step 1: Build & Task Teams
- Build
- Task

Step 2: Leverage Existing Activities
- Grow Existing Activity

Step 3: Connect Content and Media
- FY15
- FY16
- FY17

Measures

FY15 Metric focused on:

“Aggregated revenue growth of 10% over FYE14 in geographic markets of Latin America and GCC.”

Revenue from LA and GCC

Anticipated Target Range For FY15

Currently reporting through Q3 FY14
Summary

• Developed new internal processes and capabilities
  – Already applying to other Markets
• Triggered Growth of Existing Business
  – With growth objectives in the FY 15 budget and BSC
• Mapped out Plans for new Growth Opportunities
  – With Leaders, Objectives and Milestones in place
• Have Reporting in Place to monitor progress (G-SET)
  – With Workflows for Ongoing and New Developments
• Have Metrics in Place to monitor overall Impact

THANK YOU
Sample Project Plan – T&D Onboarding ABENDI

Timeline

Project Plan & Deliverables

| Project Plan, define goals, vision & objectives: Document how ATP’s will be provided and how ASME’s mission will be advanced |

| Plan project success factors & leverage cross functional resources: Articulate the benefits ASME will be providing |

| Define project success factors & leverage cross functional resources: Evaluate the projects anticipated to impact ASME |

| Definition of potential customers, key contacts and expansion: Define additional information from ATP’s including instructor references from ABENDI |

| Key events: March 2013: Initial meetings held to discuss areas of collaboration including training |

| Alignment of project to ASME’s mission and member’s value drivers: Onboarding of ATP: Train the instructors in Brazil |

| December 2013: ABENDI obtains approval from Board to become ATP |

| May 2014: T&D reviewed applications, instructor references, etc. from ABENDI |

| Sept/Oct 2014: ABENDI launched ASME’s programs in Brazil |

| November 2014 Onwards: ABENDI launch ASME programs in Brazil |

ASME’s Top 60 Intl. Markets*

| $3.6M | $3.5M | $3.0M | $1.0M | $0.5M |

<table>
<thead>
<tr>
<th>India</th>
<th>Argentina</th>
<th>Ecuador</th>
<th>Korea, Republic of</th>
<th>Peru</th>
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<tr>
<td>Turkey</td>
<td>China</td>
<td>Russian Federation</td>
<td>Australia</td>
<td>South Africa</td>
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<tr>
<td>Italy</td>
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<td>Nigeria</td>
<td>Trinidad And Tobago</td>
<td>Israel</td>
<td>New Zealand</td>
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</table>

Total 2013 Revenues $0.5M

71% 92% 98%

of International Markets

* Excluding USA and Canada

Lighter color indicates serving market through extension of strategy/presence in primary markets

Color indicates specific local strategy

Excluding USA and Canada

30
Date Submitted: May 20, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
Presented by: Tom Loughlin, June Ling
Agenda Title: Pathway 2025 Update

Agenda Item Executive Summary: (Do not exceed the space provided)

An update on Pathway 2025 will be given.

Proposed motion for BOG Action: (if appropriate)

None.

Attachments:
presentation
Pathway 2025

FYE14 Look-Back and Look-Forward

Outline

- Pathway 2025: FY14 Look Back
  A quick refresh –
  • Pathway 2025 in a nutshell & What will ASME look like in 2025 and beyond
  • FY14 Performance Areas and Strategy Statements aligned to Pathway
  • FY14 reporting of programs and workstreams aligned with Pathway goals

- Pathway 2025: FY15 New Outlook
Pathway 2025: FY14 Look Back

ASME will sustain its steadfast commitment to pursuit of mission and vision; however, our traditional approaches for achieving mission and vision are no longer sufficient.

Pathway 2025 encompasses a planned trajectory of disciplined growth to ensure that ASME expands its relevance and impact in a rapidly changing world while continuing to improve the safety and quality of life for humankind.
What will ASME look like in 2025 and beyond?

• ASME is an internationally renowned content and networking hub for engineering knowledge and information. ASME is sought out by emerging and mature technological, industrial, academic, governmental, and geographic markets for its technical relevancy and global reach.

• Engagement with ASME is open and seamless, enabling individuals worldwide to contribute, communicate, and consume engineering content.

• ASME is globally respected among non-engineering communities for its enhancement of public safety and Improvement of quality of life for humankind.

• ASME inspires and excites all generations as an agile and fluid organization whose programs, structure, and processes foster community and creativity.

• ASME revenue streams are diverse, growing, sustainable, and actively deployed in furtherance of its mission.

Pathway 2025: Key Performance Areas

Updated FY14 Q3

Furtherance of ASME's mission to improve quality of life for humankind and advance the art and science of engineering.
Pathway 2025: An FY14 Look Back at the Key Performance Area (updated) Strategy Statements

**Programs Model**
Strategy: Define and grow programs that increase brand recognition. Engage global experts to improve quality of life through engineering and education.

**Content and Engagement**
Strategy: Engage and support content creation, dissemination and consumption with contemporary and evolving technology. Grow corps of qualified content contributors.

**Business Dev. & Financial Strength**
Strategy: Build financial strength through improving the relevancy and impact of ASME to engineering knowledge, public safety, and quality of life.

**Global Growth & Impact**
Strategy: Expand global reach and market presence through multiple paths of generating locally relevant technical knowledge and expertise that enhance public safety, increase brand recognition, and engage local contributors.

**Organizational & Culture**
Strategy: Align and implement organizational shifts to support Pathway plans and growth.

---

**FY 14 Example: Organization and Culture**
- KCI reorganization
- BOG Nov 2013

**FY 14 Example: Global Impact**
- Global Impact Strategy Framework
- ASME's Global Strategy Framework

**FY 14 Example: Program Impact**
- IMCE Nov 2013

**FY 14 Example: Financial Strength**
- Revenues By Geographic Region
- BOG Retreat Sep 2013

**FY 14 Example: Program Impact**
- BOG, PAO, SECD IMCE Nov 2013

Pathway Planning and Reporting FY14 Examples of Q1 and Q2 ASME activities aligned with Pathway key performance areas.
ASME’s Initiatives / Business Model Framework

All initiatives will be evaluated using ASME’s standard business model framework. Estimated benefit and mission impact, revenue streams, and expenses are critical steps and provide the foundation of the framework.

1. Define the Value Proposition
2. Define Customer Segments
3. Define Customer Solutions
4. Define Value Proposition

9. Estimated Benefit and Mission Impact / Revenue Streams

Estimated benefit/impact and revenue by products, services, segments, sales channel, etc.
Outline payment model (e.g., subscriptions, discounts, referrals, etc.)

8. Estimated Expenses

Estimated expenses involved in operating the new initiative (consider fixed vs. variable, start up vs. ongoing, economies of scale, synergies with existing ASME products, etc.)
Content Strategy:
- Strategy development
- Developed by PLT
- Vetted by CEO and President of a media company
- Vetted by ELT
- Provides a driver for organizational changes (related work efforts ongoing for ELT & PLT)

Q3/Q4 Update
Content Strategy Framework – Multiple Workstreams and Initiatives Underway

6/3/2014

FY15: Business Context

Q3/Q4 Update
Engagement: An Evolving Framework
June 11, 2014 BOG

6/3/2014
This is the New Sector. It replaces K&C and Institutes.

Q3/Q4 Update Continued

- Pathway FY15-17 strategic directions (presented at April BOG meeting) utilized during Q3 budget and planning process
- New Energy Event held – Hydraulic Fracturing Conference held on March 17-19, 2014
- Advanced Manufacturing Event business plan presented at COFI on March 28, 2014 – first event to be held August 2014; WDC office continues its strong engagement with involved government and industrial entities
- BOG Re-Org Communications Task Form formed and RFP issued for communications vendor services
Pathway 2025 – Communications Strategy

Volunteer Stakeholders/Audiences*

Communications best practices will be followed in the development and delivery of all messaging in support of the Pathway 2025 initiative; communications efforts will integrate with and support enterprise pivot points, critical initiatives and success factors.

* A complementary slide delineating Staff Stakeholders/Audiences will be included in a separate version of this deck.

Pathway FY14: Communication Plan

Volunteer Communication Plan

Staff Communication Plan

Q4 Communications Update:
- Member Assembly at Annual Meeting in June
- Bob Sims speech at President’s Dinner at Annual Meeting
- Upcoming Letter from the President in ASME News
- Preparation for items for inclusion in 2014 Annual Report (Nov 2014)
- Upcoming Staff Inside ASME article
Pathway 2025: FY15 New Outlook

... Crystallizing Strategy

 CONTENT STRATEGY
- New Products/Programs
- Expand on Multi-Media
- Creation and Delivery
- Rapid Portfolio
- New TIC Sector
- Create New Events
- Increase Global Market Share
- Others.....

 ENGAGEMENT STRATEGY
- More Content Contributors
- Granite Pathways & Support
- More Modes of Community
- TEC Groups
- Building ASME.org
- More Content Contributors
- More reach through E4C.org
- Others.....

 FINANCIAL STRENGTH
- Build Insightful Forecasts
- Growth Impact Data
- Strategic Financial Models
- Cost & Program Impact Data
- Revenues by Country, by Product
- Impact New Initiatives
- Impact New Budgets
- Others.....

... the FY14 key performance areas will be captured within FY15 content strategy, engagement strategy, and financial strength.
Further Advance Content Strategy:
- Understand how to orient content to achieve market, revenue, and mission objectives
- Integrate content portfolios for market segments

New Pathway Outlook FY 2015: Engagement Strategy

Further Develop Engagement Framework and Strategy:
- Gain deeper understanding of how to engage members/stakeholders, content contributors, and customers to achieve scale (growth) and fulfill mission
- Member Engagement Pilot validated need for integrated content strategy for market segments
Pathway FY15: Financial Strength:

Prior to FY14:
- Developed strong financial reserves for future investments
- Consolidated section banking
- Deployed new tax solutions and processes
- Improved spend transparency

FY’14 Accomplishments:
- Exceeded net budget
- Improved financial and operational reporting and processes
- New budgeting and business evaluation processes
- Pilot stages for travel management and procurement automation projects

FY’15 and Beyond:
- Grow global gross and net revenues through new offerings, new markets, and new contributors
- Strong mission driven programs to enhance financial performance
- Diversify revenue
- Enhanced reporting and efficiencies

Making Pathway 2025 Our Global Strategy
Engineering Sustainable Success
Restructuring ASME for the Future

Agenda

• Communications
• Key Activities
• Ongoing projects and processes
• The ongoing role for the Board of Governors
Communications

- The Board approved the reorganization in April, 2014
- The President sent a letter to all current ASME leaders stating the reorganization occurred and why
- The Presidential Team appointed a Communications Task Force
  - Stacey Swisher Harnetty
  - John Elter
  - Richard Laudenat
  - Michael Cowan
  - Michael Ireland
  - Gemma Tansey
- Strategy Studios, a communications consulting firm, has been hired
- A communication plan has been developed and some materials have been distributed

ASME Sector Reorganization – Technical Events and Content

Communication Materials Timeline May 28, 2014

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<th>MAY</th>
<th>JUNE</th>
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| Creation of Orientation Materials | | | | | | | ✔ ✔ ✔
| Anticipated talk Points | | | | | | | ✔ ✔ ✔
| ASME Internal Organs | | | | | | | ✔ ✔ ✔

- Developed by Strategy Studio
- Developed by ASME
- Item is complete and in use
- Presentation and review points
- Review completed items
Key activities

• Based on nomination packages received, the reorganization team has selected most of the Sector leaders and teams.
• We identified some additional division representation that is still necessary. We will reach out to those Divisions.
• An invitation went out to all Division Chairs for someone from their Executive Committee to attend a four-hour training session in Kansas City on July 12.
• We plan to unveil information systematically, uniformly, logically and fairly.
• Talking Points and Facts/Myths have been distributed to all leaders and staff.
• The theme of tonight’s member assembly is ONE ASME. The video has multiple uses.
• Meeting with other Sectors, who are meeting here.

Other Key Activities

• The Reorganization Task Force met in Raleigh in May and here on Saturday, which was their last meeting.
  • Reviewed Bylaws and Policies
  • Finalized processes
  • Prepared recommendations for funding mechanism to go to COFI
  • Began selecting new leadership
• Met with SMC in Denver to discuss engagement
• Met with COR in Denver to discuss reorg and present Bylaw changes
• Worked with Governance on Nominating Committee representation for 2015
Key Upcoming Activities

- SMC will continue to discuss engagement roles
- All-division face-to-face training in July with webcasting to others
- Developing plan to visit as many Division Executive Committees at the summer conferences as we can
- Planning and announcing details for Section training
- Planning and doing preparation for Segment strategic planning meetings
- Interim staffing plan should be complete and submitted for approval, including GPS
- Sending revised policies to COR by end of June
- Sending a new TEC Sector Operating Guide to COR by end of June
- Sending out financial guideline brochure in July. Until then, some spending requests on hold

Messaging to the Board

- We made the right decision. We need to continue to look forward.
- We need to give the new Sector time to work the plan.
- As communication continues to roll out, anxiety should decrease
- The communication team is in place to handle the questions, comments and concerns.
- Use the “TEC talking points” and “myths/facts” sheets
- Thank you again for your support
Date Submitted: May 19, 2014
BOG Meeting Date: June 8

To: Board of Governors
From: Sector Management Committee

Agenda Item Executive Summary: (Do not exceed the space provided)

The report updates the BOG on SMC activity and is for information only. There is no action required.

Proposed motion for BOG Action: (if appropriate)

No Action

Attachments:
One
I. SMC Operations

A meeting was held on May 9th in Denver. Discussion centered on the potential impact of the KCI reorganization on all sectors, as well as the makeup and focus of the SMC and the need to identify possible pathways of engagement for volunteers under the new organization. Discussions amongst SMC members will continue in the coming months. The TEC task force has developed a transition plan and has developed a “Call for Leaders”. It may be necessary to restructure the SMC to meet the needs of the new organization.

A BOG Re-Org Communications Task Force (RCTF) has been established and charged with keeping the Board of Governors informed of progress regarding implementation of the KCI ReOrg and with ensuring that an effective communications plan for all stakeholders is deployed. The team members are:

a. Stacey Swisher Harnetty  
b. Richard Laudenat  
c. John Elter  
d. Mike Ireland  
e. Michael Cowan  
f. Gemma Tansey

II. Sector Highlights

Standards & Certification – Ken Balkey, Bill Berger

Quarterly Highlights

- The ASME Symposium on Elevated Temperature Application of Materials for Fossil, Nuclear, and Petrochemical Industries was held March 25-27 in Seattle, Washington. This new Symposium focused on design and construction practices of pressure equipment, such as boilers, pressure vessels, and piping components that operate at elevated temperatures where materials will be subjected to creep, creep-fatigue, embrittlement, and other environmental factors. Peer reviewed technical papers were presented during 6 panel sessions, represented by participants from 14 countries (US, Canada, Japan, UK, PRC, Netherlands, Korea, Germany, Taiwan, Sweden, India, Finland, Italy and France).

- From April 15-17, ASME conducted a Symposium on Small Modular Reactors (SMRs) in Washington, D.C. Among the seven tracks was one addressing codes and standards, covering design, operation and maintenance, in-service inspection, quality assurance, performance-based and risk-informed concepts, and licensing. The symposium also included a session focusing on safety and risk management, incorporating lessons learned from Fukushima Daiichi. Keynotes were given by Commissioner William C. Ostendorff, of the U.S. Nuclear Regulatory Commission, and Deputy Assistant Secretary for Nuclear Reactor Technologies John E. Kelly of the U.S. Department of Energy.
• In response to successful ASME Verification and Validation (V&V) symposia held in 2012 and 2013 featuring a wide-variety of international participants, the third large-scale symposium dedicated entirely to the emerging field of verification, validation, and uncertainty quantification of computer modeling and simulations was held May 7-9 in Las Vegas. New to the program in 2014 is a partnership with Sandia National Laboratories, who conducted a Verification and Validation Challenge Problem Workshop. During the workshops, participants were provided a common “end-to-end” engineering scenario, from models and data through final prediction and decision. Participants were provided the opportunity to demonstrate different V&V methods and approaches with the intention of creating an environment to act as both V&V practitioner and decision-maker for assessing the credibility of simulations.

• Recognition and celebration of the 100th anniversary of the first issuance of the ASME and Boiler and Pressure Vessel Code culminated with a joint ASME/National Board of Boiler and Pressure Vessel Inspectors banquet on May 14 during the joint ASME/NBBI meeting in Bellevue, WA. Special functions hosted by ASME during the week of May 12 included a lunch for past and current BPV Standards Committee Officers, other volunteers active for 35+ years, and representatives of the most venerable Certificate Holders – Babcock & Wilcox Company, Hartford Steam Boiler Inspection and Insurance Company, National Board of Boiler and Pressure Vessel Inspectors, and the Commonwealth of Massachusetts; the other function recognized the contributions of the many international members of the BPV Committee.

• As a follow-up to the Advanced Manufacturing Forum held at the 2013 ASME Congress, S&C received a recommendation to consider the need for a common language to describe structures being designed into the complex advanced manufacturing parts. During April and May, Mr. Darrell Wallace, Deputy Director of Advanced Manufacturing Enterprise has made presentations to the Y14 Committee on Engineering Drawings, the AED Committee on Aerospace and Advanced Engineering Drawing Standards, and the B89 Committee on Dimensional Metrology. Subsequently, a Joint Task Group was appointed to consider development of a proposal for a new Committee and applicable charter.

• ASME submitted comments on the latest proposed revisions to the OMB Circular A-119, Federal Participation in the Development and Use of Voluntary Consensus Standards and in Conformity Assessment Activities. The response is generally supportive of the changes, as they address many of the comments submitted by ASME during the initial request for comment.

Upcoming Activities/What’s on the Horizon?

• Proposed revisions to Bylaw B5.4 were submitted for CoR and BoG consideration; first reading by BoG took place at its April meeting. Primary revisions reflect the sunsetting of
the Board on New Development, as it was felt this Board’s charter overlapped with the charters of two other current S&C Boards

**Knowledge & Community (K&C) – Karen Ohland, Michael Ireland**

**Quarterly Highlights**

- The Knowledge & Community – Institutes (KCI) Reorganization Task Force met on March 21-23 in Austin, Texas, to finalize details of the proposed reorganization of these two Sectors.

- The KCI Task Force leads presented the reorganization proposal to the Board of Governors (BOG) at their April 25 meeting in New York. The BOG voted unanimously to approve the reorganization concept and appointed a special task force to assist with communication aspects of the reorg and keep the BOG informed of the progress of the implementation of the reorg.

- A mass email from ASME President Kotb was sent on May 1 to all volunteer leaders informing them of the BOG approval of the reorganization, as well as the reasons why the change is necessary.

- The KCI Task Force leads met with the Sector Management Committee (SMC) on May 9 at their meeting in Denver, Colorado, to discuss the “pathways of engagement” and the “rules of engagement” for Groups under the approved reorganization.

- At the BOG’s Committee on Organization and Rules (COR) meeting on May 10 in Denver, Colorado, the KCI Task Force leads presented the proposed changes to Society By-Laws resulting from the reorganization. The COR discussed them and voted to move them forward to the BOG for approval. The COR also requested a By-Law be drafted regarding the Group Pathways and Support (GPS), including an outline of the volunteer leadership of GPS, defining 'Group,' and explaining how the volunteer leadership of GPS will be selected.

- The Technical Communities Operating Board met virtually on April 14.

- The One ASME Petition from the Special Division Steering Committee (SDSC) was endorsed by the TCOB. Three members of the SDSC made a presentation in the Executive Session of the ASME BOG meeting in New York in April.

- The Manufacturing Engineering Division’s Manufacturing Science and Engineering Conference (MSEC) in June 2014 was approved, and the one for April 2015 has also been approved.
• The Pressure Vessels & Piping (PVP) Division had a retreat recently; the next PVP conference is in July 2014.

• All Global Communities unit closures and re-alignments due to consolidated banking issues have been identified. A motion has been sent to the K&C Sector Board for approval of the actions proposed by the Global Communities Operating Board.

Upcoming Activities/What’s on the Horizon?

• The KCI Task Force will be meeting on May 16-17 in Durham, North Carolina, to begin work on the transition and communication aspects of the approved reorganization.

• Over the next few months the KCI Task Force will provide to the BOG’s Committee on Organization and Rules (COR) the proposed changes to various Society Policies resulting from the approved reorganization.

• A meeting of the KCI Task Force and Transition Team is planned for June 6-7 during the ASME Annual Meeting in Portland, Oregon. The KCI Task Force is also inviting all Technical Divisions Chairs to a special session on the “Introduction to the Technical Events & Content Sector” on June 9 at the ASME Annual Meeting.

• Senior Vice President Karen Ohland advised the Global Communities Operating Board (GCOB) at their May 5th teleconference that the GCOB will be sunset at the end of June 2014, as directed by the Board of Governors. As a result, no face-to-face GCOB meetings or webinars are planned; however, District – Section teleconferences will go on as before through FY14 to complete any unfinished business.

• A smooth transition of geographical unit support from Global Communities to the GPS structure is viewed as very important. Members of the Global Communities Operating Board are committed to support this transfer to the best of their ability.

• Status of the Lebanon Section, Yanbu Group and the Central and Western Saudi Arabia Sections are to be resolved by the end of the quarter.

• Programs & Activities Board recommends that in FY15, the Outstanding Program Awards administration be moved to the new sector council with an emphasis change to encourage use of ASME.org for event organization and recruiting and open to any ASME.org “group”.
Institutes – Bobby Grimes, Michael Ireland

Quarterly Highlights – International Gas Turbine Institute (IGTI)

- The March IGTI Board meeting resulted in the development of a transition plan from the current board structure to the new board structure. This restructuring is aligned with the strategy developed by the KCI Reorg Task Force.

- The IGTI board voted to endow the Dilip R. Ballal Early Career Award through the ASME Foundation for $75,000.

- Candidate locations in Europe are being evaluated for the 2015 Organic Rankine Cycle Conference which is scheduled to be held in October, 2015.

- Vinod Philip and Seung Jin Song of the IGTI board are working with members of the IPTI board in developing a new ASME-sponsored Integrity Management technical conference.

Upcoming Activities/What’s on the Horizon? - IGTI

- Turbo Expo will be held in Dusseldorf June 16-20, 2014; with 1241 final papers accepted, it will be the largest Turbo Expo to date. Over 80 posters have been submitted for the inaugural Student Poster Session. In addition, there will be 9 pre-conference workshops, and the very popular Women in Engineering Dinner and Student Mixer events.

- The Gas Turbine India Conference will be held in New Delhi at the India Habitat Centre December 15-17, 2014.

- The next IGTI Board meeting will be held in Dusseldorf on June 15 & 20, 2014.

Quarterly Highlights – International Petroleum Technology Institute (IPTI)

- The Shale Development & Hydraulic Fracturing Conference was held in San Diego in March 2014 for the first time. The conference focused on topside equipment and supply chain infrastructure for the hydraulic fracturing industry, with 150 attendees.

- The first OTC Asia Conference was held in Kuala Lumpur, Malaysia in March 2014. While organizers forecasted 10,000 attendees for this first-time event, they were amazed that 25,000+ attendees visited the show!

- The 12th Annual – Plant Engineering and Maintenance Tradeshow was held in Pasadena, Texas in April 2014. More than 1,000 attendees visited with more than 144 exhibitors; technical sessions including ethics, plant maintenance and engineering.
• The spring meeting of the Petroleum Division’s Collegiate Council was held in Edmonton, Alberta, Canada in April 2014. It was held in concert with District D’s Early Career Development Conference. The 15 members of the council were in attendance, along with members of the Petroleum Division. The Council presented a final report on their 2013-2014 annual project Early Career event – more than 60 early career engineers in April 2014 gathered to hear Richard d'Souza from KBR Granherne deliver a talk on subsea field development.

• OTC Golf – 240 golfers participated in the 17th annual pre-OTC golf tournament in Houston on May 3.

• OTC – 100,000 attendees were again expected for the 45th annual Offshore Technology Conference, featuring more than 2,200 exhibitors from 133 countries.

• BMEA – The Petroleum Division delivered their annual awards for Best Paper, Best Mechanical Engineering product and individual achievement during OTC this year on May 5.

Upcoming Activities/What’s on the Horizon?- IPTI

• The 33rd OMAE Conference will be held in San Francisco on June 8-13, 2014. More than 900 papers will be presented to more than 1,400 attendees.

• The 10th International Pipeline Conference will be held in Calgary in September 2014.

Programs

Public Affairs & Outreach – Bill Wepfer, Shekhar Chandrashekhar

Engineering for Global Development/E4C

Quarterly Highlights

• DEMAND, ASME Global Development Review - The second issue of DEMAND was distributed in print to ASME members in the US and Canada with the May issue of ME Magazine. The free digital app continues to grow readership and case studies have been submitted by a variety of authors for future issues.

• Engineering for Change Solutions Library 2.0 - E4C started web development of the Alpha site of the Solutions Library 2.0 (SL2.0). The goal of SL2.0 is to act as a decision-aid tool for designers, implementers and manufacturers of products for resource constrained communities. The Alpha site will be open to an early adopter community of Subject Matter Experts in late June 2014.
Engineering for Change - The New York Society of Association Executives has chosen Engineering for Change as the winner of the 2014 Outstanding Technology Leadership Award, given each year to New York Area-based organizations or individuals who demonstrate purposeful use of technology to help humanity. Previous winners include the American Foundation for the Blind, Computers for Youth and the American Red Cross.

Upcoming Activities/What’s on the Horizon?

- Engineering Social Innovation - Whitepaper to be authored jointly with the Aspen Institute of Development Entrepreneurs (ANDE) ahead of regional roundtables focused on hardware based social innovation taking place in Brazil, Kenya and India (July).
- IMECE 2014 - Programming efforts for the EGD-themed Congress are underway. Events will include an EGD keynote and research forum.

K12/Diversity & Inclusion

Quarterly Highlights

- 2014 ASME IShow - The 8th Annual ASME IShow was held on Monday, April 28th, at The Newseum. Approximately 140 registrants watched as the nine semi-finalist teams vied for cash awards totaling $50K. Additionally, this year’s event marked the introduction of the Dr. Abdi Zaltash Champion Award for ASME IShow, a memorial award developed to recognize a participating team’s promise for their very early stage concept/innovation. The top three prizes were awarded to Univ of Massachusetts, Lowell (Ninspec) (1st place - $25K); second place ($15K) - Rice University (Team BiliQuant); and third Place ($10K) - Univ of Hawaii (SarTummy)

- INSPIRE Middle School Pilot - With the early results promising for the INSPIRE pilot, negotiations are currently underway to broaden the program to a national engagement of 1,000 schools over three years.

- Decision Point Dialogues - ASME Decision Point Dialogue entitled, “Critical Thinking, Critical Choices: What Really Matters in STEM,” which was held at the beginning of the US News STEM Solutions conference. Approximately 120 people were in attendance and the STEM conversation continues. A full calendar of activities with subject matter experts including the video premiere of the event is online at asme.org.
Engineering Education

Quarterly Highlights

- Supporting the ASME Education Vision 2030 action items that (1) improve the quality of undergraduate design/build experience and (2) increase the number of women and minorities in ME programs, a collaborative 3-year proposal has been submitted to the National Science Foundation with the Women in Engineering Pro-Active Network (WEPAN), Purdue University and the University of Washington for faculty development workshops and virtual learning communities that would help create more inclusive (for all students) teaching/mentoring approaches in ME courses and design labs.

- ASME Committee on Honors approved a proposal to move the awarding of the Edwin F. Church Medal for eminent service to mechanical engineering education to the annual ME Education Leadership Summit. Beginning in 2015 the Church would join the Ben C. Sparks Medal as a major presentations at the Summit.

Upcoming Activities/What's on the Horizon?

- A focus meeting with invited Community College Deans of Engineering & Technology, Continuing Education and other leaders is being planned for Q4 to discuss the impact and opportunity of advanced manufacturing on standards for associate degree, certificate and certification programs.

- During the upcoming months, selected speakers and presentations from the 2014 Leadership Summit will be featured in scheduled and on-demand webinars, extending the impact of the ASME Summit to a much broader global audience.

- July 9-12, ASME Committees on Engineering & Technology Accreditation & ABET Commission meetings, Arlington, VA.


- March 12-14, 2015, ASME ME Education Leadership Summit, Newport Beach, CA. Dave Dornfeld, Chair, Mechanical Engineering, University of California-Berkeley, Summit General Chair.
Government Relations

Quarterly Highlights

- Engineering Public Policy Symposium – The 11th annual Engineering Public Policy Symposium was convened on Capitol Hill in Washington, DC on Tuesday, April 29th to highlight energy and manufacturing public policy issues. The event brought together over 100 leaders - Presidents, President-Elects and Executive Directors - from 43 national engineering societies, representing more than two million engineers. ASME served as the Chair and lead organizer of the Symposium, which was made possible by a grant from the United Engineering Foundation.

- ASME President’s Award – ASME President Madiha Kotb presented the ASME President's Award to Dr. Patrick Gallagher, Director of NIST, at a meeting at the U.S. Department of Commerce on Wednesday, April 30th.

- Mini-Pilot “ASME State Fellowship Program” Initiated – ASME is sponsoring Nicole Kaufman-Dyess as an ASME State Fellow in the newly formed Operations group with Public Utilities, Public Works, and Transportation of the Sustainability Department of the City of Raleigh, North Carolina. A second state fellow, Nicole Meyer-Morse, Ph.D., will be serving in the California Governor's Office of Emergency Services where she will work in the Division of Planning for the next year.

Upcoming Activities/What’s on the Horizon?

- ASME Congressional Briefing on “Manufacturing: Made To Order” planned for June 2014 on Capitol Hill.

Industry Advisory Board (IAB)

Quarterly Highlights

- The IAB met in Washington DC April 15-16 to discuss "Developing a Technology Strategy for Advanced Manufacturing." The interactive event featured speakers from DoE, NSF, NIST, industry and academia. A set of recommendations from the IAB are underway.

Upcoming Activities/What’s on the Horizon?

Student Programs

- HPVC East, which took place in Orlando, FL at the University of Central Florida on April 11 – 13, 2014, attracted 305 participants from 30 teams including 6 international. HPVC West, which took place in San Jose, CA on April 25 – 27, 2014 attracted 200 participants from 23 teams including 5 international.

- Redesigned Student Professional Development Conferences (SPDCs) focusing on student’s professional development were successfully held in March, April and beginning of May at Clemson, UW Madison, BITS Pilani – India, Texas Tech University, California Polytechnic at San Luis Obispo, Instituto Politecnico Nacional – ESIME Culhuacan- Mexico City, British University – Egypt, American University - Beirut – Lebanon and University of Engineering and Technology – KSK, Lahore, Pakistan. There were more than 2240 participants with 480 students competing in the Student Design Competition and 245 students competing in the Old Guard competitions. Full report on student participation in SPDC 2014 will be provided when this year program will be completed.

- The deadline for new student competitions – IAM3D and IDSC – is set for May 31, 2014. The submissions are already trickling in.

- The deadline for Student Section Awards and Grants program is also May 31.

Career Development

- ECE Web-content team has released the following new video clips on ASME.ORG:
  - Structured Innovation, Part 2 (Mar 03, 2014),
  - Aerospace Industry (Apr 01, 2014),
  - Manufacturing My Career (Apr 14, 2014), and
  - Oil & Gas Industry (Apr 29, 2014).
  - Two additional video clips to be released by the end of May 2014.

- In March through May ME Today newsletter continued offering insights into industry trends and professional requirements by featuring the following articles:
  - Solar Energy: Energy Opportunities for Young Engineers,
  - FE Exam More Accessible,
  - How To Succeed as a New Project Manager,
  - Metamaterials Developed for Window Glass in Green Buildings,
  - Automation of Production Optimization, and
In recognition of the achievement(s) of ASME early career engineer(s) the Old Guard Committee provided its recommendations for this year’s Old Guard Early Career Award. The winning candidate and the runner up have been accepted by the Honors & Award Committee with recipients to be announced at a later date.

Leadership & Recognition

- Board on Leadership and Recognition is working on its strategy and program development for the next year.

- With this year’s DAG funded projects being underway, the work on promotion and communication of the success stories has started. A set of articles about impactful DAG projects and ASME students leading these efforts will be published in ME Today in the summer.

Upcoming Activities/What’s on the Horizon? – Programmatic / Operational Activities

- Round 1 deadline for Innovative Design Simulation Challenge is May 31, 2014.

- The rest of 2014 SPDCs will continue through June 2014.

- Responses to the call for applications for Student Section Grants and Awards are expected by Q4 FY14.

- Publication of the DAG project success stories in ME Today in the summer 2014.

- More video content on Advanced Manufacturing topic will be posted in May-June 2014.

II. Committees

Volunteer Orientation and Leadership Training (VOLT) Academy – Justin Young, Dave Soukup, Clare Bruff

Quarterly Highlights

- VOLT piloted a Cross Sector Leadership Development Workshop, held in conjunction with the BOG meeting on April 24-26. This workshop provided an opportunity for collaboration and knowledge-sharing across the organization and advanced the goals of One ASME. Eleven emerging leaders representing all the sectors attended. Robert Goldberg of Organizational Insight, LLC facilitated. Tom Loughlin and Justin Young presented. Ken Balkey observed the workshop on behalf of the SMC. The workshop was highly rated by participants.
The current and incoming ECLIPSE Interns were invited to Washington, DC for an ASME orientation and leadership training workshop on April 28, 2014. The interns also attended the Engineering Public Policy Symposium on April 29, 2014.

The Board of Governors Candidate Orientation was held via webinar on May 5, 2014. The webinar was conducted by Terry Shoup. Tom Loughlin, Madiha Kotb, Bob Sims, and Stacey Swisher Harnetty presented. Seven BOG candidates participated.

The Vice Presidential Candidate Orientation was held via webinar on May 6, 2014. The webinar was conducted by Terry Shoup. Tom Loughlin, Madiha Kotb, and Bob Sims presented. Four VP candidates participated.

The Presidential Candidate Orientation was held in New York City on May 8, 2014. Four Presidential candidates participated.

Upcoming Activities/What’s on the Horizon?

A VOLT Leadership Workshop will be held at the Annual Meeting in Portland, Oregon. The workshop topic will be “Navigating Uncertainty and Creating Powerful Solutions for Your Teams.” This workshop will be offered on both Saturday, June 7 and Sunday, June 8 to maximize participation.

The ECLIPSE Intern Reception will be held at the Annual Meeting on Saturday, June 7. The outgoing interns and their coaches will be recognized. A dinner event is being planned for the incoming and outgoing interns following the reception.

The Board of Governors Nominee briefing will be held at the Annual Meeting on June 11, 2014.

Events Committee (EC) – Randy Reagan, Monica Moman-Saunders

Quarterly Highlights

Review - EC reviewed and approved the following events:
- 2014 FPMC - Fluid Power Motion Control – Approved 3/24/14
- 2015 MSEC - Manufacturing Science and Engineering Conference – Approved 3/19/14
- 2015 JRC – Joint Rail Conference – Approved 5/6/14
- 2015 Interpack & ICNM – Approved 5/6/14
Upcoming Activities/What’s on the Horizon?

- Monthly Teleconferences continue.

- Face-to-Face Meeting – A face-to-face meeting has been scheduled May 21-22, 2014 – to be held at ASME headquarters in NYC.

  Major Agenda Items:
  - Conferences and the Review Process
  - EPEG review, discussion, and recommendation

- Committee makeup: Term expires for institute’s representative to the EC on June 30, 2014. A request has been made to the Institutes SVP to identify a replacement
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: 5/23/14
BOG Meeting Date: 6/8/14

To: Board of Governors
From: EDESC
Presented by: Marc Goldsmith
Agenda Title: EDESC Annual Report

Agenda Item Executive Summary: (Do not exceed the space provided)

FY14 Annual Report of EDESC Activities

Proposed motion for BOG Action: (if appropriate)

Attachments:
A summary of the FY14 Activities of the EDESC Committee follows:

1) **ED Report of Enterprise Performance and ED Personal Objectives** - The EDESC reviewed reports from the ED regarding both the Enterprise Performance, as well as the performance of the ED, relative to his Personal Objectives. The EDESC has communicated recommendations to the BOG regarding the Executive Director’s performance and will make further recommendations to the BOG regarding his performance in June 2014.

2) **FY13/FY14 Incentive Compensation and Year-End Bonus Payouts** - The EDESC reviewed and accepted the results of the FY13 Incentive Comp and Discretionary Bonus programs and mid-year projections of the FY14 Incentive Compensation awards. The EDESC also reviewed and provided feedback to the ED regarding the construct of the objectives for the Enterprise component of the Incentive Comp Program for FY15.

   The proposed Enterprise and Incentive Goals for FY15 are linked and framed around the Pathway strategic direction. Both will be presented to the Board for approval in June.

3) **Compensation** – AON Hewitt, ASME’s Compensation Consultant, provided the EDESC with information on compensation trends, a review of the ASME compensation program design, as well as compensation recommendations for FY15, which were approved by the EDESC. In addition, AON provided the EDESC with data regarding Executive Compensation programs and benchmarking.

4) **Benefits Overview** – An overview of staff benefits was reviewed by the EDESC.

5) **Pension Plan Trustees (PPT)** - The PPT provided the EDESC with a Mid-Year Activity Report, and will provide a Year-End Activity Report after the close of the fiscal year. The Chair of the PPT attended the November EDESC meeting to provide an in-person update of PPT current and future activities.

6) **Volunteer/Staff Collaboration** - The EDESC modified the annual review of Volunteer Evaluations of Staff by changing the process to a Survey of Volunteer/Staff Collaboration. The survey will measure overall collaboration, rather than evaluations of individuals. This is expected to streamline the process. Also, for the first time, the new procedure will seek input from staff regarding collaboration with volunteers. Results of the new survey will be reported to the Board in June.

7) **Report on Human Resources Activities** - The EDESC reviewed a Mid-Year Report of Human Resources Activities and will receive a Year-End Report of Human Resources Activities after the close of the fiscal year.
Date Submitted: May 16, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: Committee on Governance
Presented by: Betty Bowersox
Agenda Title: Committee on Governance Annual Report

Agenda Item Executive Summary: *(Do not exceed the space provided)*

FY14 COG activities

Proposed motion for BOG Action: *(if appropriate)*

None.

Attachments: Word document
The Committee on Governance established the following priorities for FY14, below is a summary of COG’s activities.

1. Solicit and recommend professionals to participate in webinars and informational seminars to assist in broadening the knowledge of the Board.
   a. An ongoing list has been prepared of possible speakers
   b. Discussed potential generative topics and speakers
   c. Presenters were invited to the meetings held during the year, including Alvaro Toubes Prata, Carlos Tadeu Fraga, Alberto Machado, Kenneth Herd, Brian Brisson, Milton Costa Filho, Heraldo and Costa Mattos in September; Susan Meier who spoke about “Transitions” in April; and Adam Hart-Davis is scheduled to be the generative speaker on June 9th.

2. Assist the President by offering suggestions for BOG meeting agendas and topics, specifically as related to Pathway 2025 and the established Meeting Issues & Discussion Framework being developed.
   a. Pathway 2025 continued to be an item discussed at the Board meetings through the year

3. Prepare a gap analysis of the 2014-2017 BOG to provide input and assistance to the President for her informational briefing with the 2014 Nominating Committee.
   a. Began discussion in August 2013
   b. Heard from Chair of the Nominating Committee in September 2013
   c. Committee members spoke to members of the Board of Governors
   d. Potential questions were developed and sent to the President for her discussion with the Nominating Committee
4. Other

a. Orientations/Trainings
   i. First year COG member participated in the BOG Candidate Briefing
   ii. Committee members attended several orientations throughout the year
   iii. Suggestions for other orientations/trainings/briefings topics were discussed throughout the year
   iv. Committee reviewed feedback from select orientations/briefings/boot camps
   v. Brainstormed webinar topics for nominee/elects. Webinars could be live or static.

b. Emailed BOG to encourage them to suggest other volunteers to go before the Nominating Committee for elected office, and inspire potential nominees at every opportunity.
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 20, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: Committee of Past Presidents
Presented by: Leila Persaud, Manager Honors & Fellows
Agenda Title: CY13 Fellows Listing

Agenda Item Executive Summary: (Do not exceed the space provided)

The Committee of Past President elects Members to the grade of Fellow. The Fellow grade is the highest elected grade of membership within ASME.

Attached for information, is the listing of ASME Fellows elected in CY13.

Proposed motion for BOG Action: (if appropriate)
None

Attachments: Yes
CY 2013 Fellows

A.K.W. Ahmed, Ph.D. Allan H. Harvey, Ph.D. Patrick J. Natale, P.E, CAE
William P. Bahnfleth, Ph.D. Kunio Hasegawa, Ph.D. David A. Nelson, Ph.D.
Heng Ban, Ph.D. Caroline C. Hayes, Ph.D. Efstratios Nikolaidis, Ph.D.
Ronald E. Barr, Ph.D. Gregory J. Holbrook Muthukumaran Packirisamy, Ph.D.
Dean L. Bartles, Ph.D. Che-Wun Hong, Ph.D. George Papadopoulos, Ph.D.
Javid Bayandor, Ph.D. Michelle S. Hoo Fatt, Ph.D. Dmitry V. Paramonov, Ph.D.
Joseph Bentsman, Ph.D. Roberto Horowitz, Ph.D. Toby K. Parnell, Ph.D.
Delfo Bianchini Mahesh V. Hosur, Ph.D. Marc D. Polanka, Ph.D.
Kristen L. Billiar, Ph.D. Robert Ivester, Ph.D. Glen Prater, Jr., Ph.D.
Jeffrey P. Bons, Ph.D. Jiin-Yuh Jang, Ph.D. Donald D. Quinn, Ph.D.
Kenneth S. Breuer, Ph.D. Badih A. Jawad, Ph.D. Veera P. Rajendran, Ph.D.
Ronald B. Bucinell, Ph.D. Sankar Jayaram, Ph.D. Bassem H. Ramadan, Ph.D.
Jen-Yuan Chang, Ph.D. Jionghua J. Jin, Ph.D. Eric Roll, Ph.D.
Junhong Chen, Ph.D. Stanley E. Jones, Ph.D. Thomas Ruggiero
Gary Cheng, Ph.D. Conor D. Johnson, Ph.D. Mauricio Salinas, Ph.D.
Naomi C. Chesler, Ph.D. Harley T. Johnson, Ph.D. Ronald N. Salzman
George T.C. Chiu, Ph.D. Shin Hyoung Kang, Ph.D. Peter A. Sandborn, Ph.D.
Wilson K.S. Chiu, Ph.D. Ann R. Karagozian, Ph.D. Juan G. Santiago, Ph.D.
Kenneth T. Christensen, Ph.D. Sidney S. Keywood James P. Schmiedeler, Ph.D.
Emmanuel G. Collins, Ph.D. Brad Lee Kinsey, Ph.D. Nariman Sepehri, Ph.D.
Joseph Cook Conrad D. Johnson, Ph.D. Umesh A. Korde, Ph.D. Pradeep Sharma, Ph.D.
Marcelo Dapino, Ph.D. Madiha El Mehemy Kotb Li Shi, Ph.D.
Richard E. Debski, Ph.D. Ramprasad S. Krishnamachari, Ph.D.
Dennis Demoss Soundar T. Kumara, Ph.D.
Dawn M. Elliott, Ph.D. Wilfred LaRochelle
Gregory S. Elliott, Ph.D. Gwo-Bin Lee, Ph.D.
Hurlef G. Elliott Gina Lee-Glauser, Ph.D.
William H. Emrich, Ph.D. Wallace F. Leung, Sc.D.
Andrew M. Erdman Winston G. Lewis, Ph.D.
Azim Eskandarian, Ph.D. Wei Li, Ph.D.
Jinghong Fan, Ph.D. Wei Lu, Ph.D.
Matthew R. Feldman Richard M. Lueptow, Sc.D.
Placid Ferreira, Ph.D. Holger Lukas
Amy S. Fleischer, Ph.D. Ramsey Mahadeen
Paul L. Flynn, Ph.D. Michael L. Malito
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 20, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: Committee on Honors (COH)
Presented by: Karen Thole
Agenda Title: Approved Society Award Listing

Agenda Item Executive Summary: (Do not exceed the space provided)

The Board of Governors delegates to the COH the authority to approve candidates for all Society Level Awards other than Honorary Members and ASME Medalist.

The Honorary Members and ASME Medalist are considered by the BOG in Executive Session on June 8.

Attached for information is the listing of the COH approved awards for FY14.

Proposed motion for BOG Action:

None

Attachment: Yes
RECIPIENTS OF ASME HONORS AND AWARDS - 2014

Except as noted below, honors and awards will be bestowed at the International Mechanical Engineering Congress & Exposition in Montreal, Canada, November 14-20, 2014

**Achievement Awards**

**BARNETT-UZGIRIS PRODUCT SAFETY DESIGN AWARD**

<table>
<thead>
<tr>
<th>Donald S. Bloswick, Ph.D., P.E., CPE, Fellow</th>
<th>For significant contributions to safety and rehabilitation education and the mentoring of tomorrow’s engineers through outstanding classroom teaching, highly supportive and productive advising, and the creation of various educational programs ASME 2014 International Design Engineering Technical Conferences (IDETC), August 17-20, 2014, in Buffalo, New York</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical Engineering</td>
<td>University of Utah</td>
</tr>
<tr>
<td>50 S Central Campus Drive</td>
<td>Room 2110 MEB</td>
</tr>
<tr>
<td>Salt Lake City, UT 84112-9208</td>
<td></td>
</tr>
</tbody>
</table>

**BERGLES-ROHSENOW YOUNG INVESTIGATOR AWARD IN HEAT TRANSFER**

<table>
<thead>
<tr>
<th>Jonathan A. Malen, Ph.D.</th>
<th>For the development of a new approach to studying thermal transport that experimentally identifies phonon mean free path dependent contributions to thermal conductivity in an effort to better understand size effects and non-Fourier thermal transport in nanomaterials and devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical Engineering</td>
<td>Carnegie Melon University</td>
</tr>
<tr>
<td>413 Scaife Hall</td>
<td>5000 Forbes Avenue</td>
</tr>
<tr>
<td>Pittsburgh, PA 15213</td>
<td></td>
</tr>
</tbody>
</table>

**PER BRUEL GOLD MEDAL FOR NOISE CONTROL AND ACOUSTICS**

<table>
<thead>
<tr>
<th>Andrew N. Norris, Ph.D.</th>
<th>For pioneering theoretical and applied work in acoustic wave propagation and scattering, homogenization, poromechanics and acoustic cloaking that has led to the development of improved geologic exploration and acclaimed theoretical tools for the development of acoustic metamaterials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical Engineering</td>
<td>Rutgers University</td>
</tr>
<tr>
<td>and Aerospace Engineering</td>
<td>98 Brett Road</td>
</tr>
<tr>
<td>Piscataway, NJ 08854-8058</td>
<td></td>
</tr>
</tbody>
</table>

**EDWIN F. CHURCH MEDAL**

<table>
<thead>
<tr>
<th>John W. Cipolla Jr., Ph.D., Fellow</th>
<th>For inspired leadership and devoted service in the activities of the ASME Center for Education including the Mechanical Engineering Department Heads Committee and the Committee on Engineering Accreditation; and for effective teaching, research and administration at the university level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical and Industrial Engineering</td>
<td>Northeastern University</td>
</tr>
<tr>
<td>334 Snell Engineering Center</td>
<td>360 Huntington Avenue</td>
</tr>
<tr>
<td>Boston, MA 02115</td>
<td></td>
</tr>
</tbody>
</table>

**DANIEL C. DRUCKER MEDAL**

<table>
<thead>
<tr>
<th>Professor Lallit Anand, Ph.D., Fellow</th>
<th>For seminal contributions to the formulation of constitutive theories for the plastic response of a variety of engineering solids including polycrystalline metals, metallic glasses, glassy polymers and granular materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical Engineering</td>
<td>Massachusetts Institute of Technology</td>
</tr>
<tr>
<td>Room 1-310</td>
<td>77 Massachusetts Avenue</td>
</tr>
<tr>
<td>Cambridge, MA 02139-4301</td>
<td></td>
</tr>
<tr>
<td>Award Name</td>
<td>Recipient</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>William T. Ennor Manufacturing Technology Award</td>
<td>Placid M. Ferreira, Ph.D., Fellow</td>
</tr>
<tr>
<td>Nancy DeLoye Fitzroy and Roland V. Fitzroy Medal</td>
<td>Xiang Zhang, Ph.D., Fellow</td>
</tr>
<tr>
<td>Fluids Engineering Award</td>
<td>Efstadthios E. (Stathis) Michaelides, Ph.D., P.E., Fellow</td>
</tr>
<tr>
<td>Y.C. Fung Young Investigator Award</td>
<td>W. David Merryman, Ph.D.</td>
</tr>
<tr>
<td>Kate Gleason Award</td>
<td>Ursula M. Burns</td>
</tr>
</tbody>
</table>
### HEAT TRANSFER MEMORIAL AWARD

**ART**

<table>
<thead>
<tr>
<th>Jacob Nan-Chu Chung, Ph.D., Fellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical</td>
</tr>
<tr>
<td>and Aerospace Engineering</td>
</tr>
<tr>
<td>University of Florida</td>
</tr>
<tr>
<td>332 MAE-B Building</td>
</tr>
<tr>
<td>Gainsville, FL 32611</td>
</tr>
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</tbody>
</table>

For pioneering and seminal contributions to the science and engineering of heat transfer and phase-change of droplets and bubbles, transition in heated flows, microgravity and nano to microscale boiling fundamentals, thermal transport in the synthesis of nanocluster materials, space cryogenic boiling heat transfer and fuel cell thermal transport modeling.

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**GENERAL**

<table>
<thead>
<tr>
<th>Xianfan Xu, Ph.D., Fellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical Engineering</td>
</tr>
<tr>
<td>Purdue University</td>
</tr>
<tr>
<td>585 Purdue Hall</td>
</tr>
<tr>
<td>West Lafayette, IN 47907</td>
</tr>
<tr>
<td></td>
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</tbody>
</table>

For pioneering theoretical and experimental research on heat transfer in nanoscale materials, microsystems, and materials processing and manufacturing; and on fundamentals of nanoscale radiation and its application to material processing and manufacturing.

---

### MAYO D. HERSEY AWARD

<table>
<thead>
<tr>
<th>John A. Tichy, Ph.D., Fellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical, Aerospace and Nuclear Engineering</td>
</tr>
<tr>
<td>Rensselaer Polytechnic Institute</td>
</tr>
<tr>
<td>Jonsson Engineering Center</td>
</tr>
<tr>
<td>110 8th Street</td>
</tr>
<tr>
<td>Troy, NY 12180-3590</td>
</tr>
<tr>
<td></td>
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</tbody>
</table>

For wide-ranging contributions to the field of tribology including the understanding and application of various types of lubricant rheology to tribological systems such as squeeze films, dampers, artificial joints, seals and chemical mechanical polishing.

---

### PATRICK J. HIGGINS MEDAL

<table>
<thead>
<tr>
<th>Brian Parry, P.E., Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Boeing Company Research and Technology</td>
</tr>
<tr>
<td>5760 60th Avenue, NE</td>
</tr>
<tr>
<td>Seattle, WA 98105</td>
</tr>
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</tbody>
</table>

For outstanding leadership, extraordinary perseverance and tireless collaboration in developing and promoting a broad range of standards spanning dimensional metrology and machine tools; and in crafting consensus within the framework of disparate national and international communities of professionals (2014 ASME B89 Committee Meeting April 28 – May 2, 2014 Florida).

---

### SOICHIRO HONDA MEDAL

<table>
<thead>
<tr>
<th>Thomas Morel, Ph.D., Fellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>President and Founder</td>
</tr>
<tr>
<td>Gamma Technologies Inc.</td>
</tr>
<tr>
<td>601 Oakmont Lane</td>
</tr>
<tr>
<td>Suite 220</td>
</tr>
<tr>
<td>Westmont, IL 60559</td>
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</table>

For the visionary, focused and dedicated development of GT-POWER, which has become the industry standard for engine simulations; and GT-SUITE, the virtual simulation that is used by major engine, powertrain and vehicle manufacturers worldwide.

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### INTERNAL COMBUSTION ENGINE AWARD

<table>
<thead>
<tr>
<th>Robert M. Wagner, Ph.D., Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>Director, Fuels Engines and</td>
</tr>
<tr>
<td>Emissions Research Center</td>
</tr>
<tr>
<td>Oak Ridge National Laboratory</td>
</tr>
<tr>
<td>NTRC Building</td>
</tr>
<tr>
<td>2360 Cherahala Boulevard</td>
</tr>
<tr>
<td>Knoxville, TN 37932</td>
</tr>
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</tbody>
</table>

For leadership in innovative research in the area of unstable combustion fundamentals in internal combustion engines, and for distinctive contributions in the scaling and harmonization of low-temperature combustion processes to production-viable multicylinder engines.
### WARNER T. KOITER MEDAL

| Guruswami Ravichandran, Ph.D., Fellow | For outstanding scientific, engineering and mentoring contributions in the areas of ultrahigh strain rate mechanics of ceramics and metals; and for pioneering and innovative experiments to advance the understanding of coupled phenomena in the fields of smart materials and cellular mechanics |
| Department of Mechanical and Aerospace Engineering | |
| California Institute of Technology | |
| Mail Code 105-50 | |
| Pasadena, CA 91125 | |

### ROBERT E. KOSKI MEDAL

| Hubertus J. Murrenhoff, Member | For two decades of exceptional leadership of one of the largest and most renowned fluid power research centers; and for leading fluid power into the 21st century through outstanding research results and through education that provides engineers with excellent skills to support industry |
| Director of Institute for Fluid Power Drives and Controls | |
| IFAS of RWTH Aachen University | |
| Steinbachstr 53 | |
| 52074 Aachen | |
| Germany | |

### JAMES N. LANDIS MEDAL

| Susumu Mochida, Member | For outstanding contributions to the development of a clean and efficient combined heat and power system to harness energy from waste materials, biomass and plastics using innovative high-temperature steam gasification technology, and for providing applications to a wide range of thermal platforms (ASME Power Conference, July 28-31, 2014 Baltimore, Maryland) |
| Director, Nippon Furnace Kogyo Ltd. | |
| 1-53,2-Chome, Shitte Tsurumi-ku, Yokohama 230-8666 | |
| Japan | |

### BERNARD F. LANGER NUCLEAR CODES AND STANDARDS AWARD

| Douglas A. Scarth, Member | For outstanding work that continues to expand and clarify the use of fracture mechanics in the nuclear industry; and for providing leadership and expertise in support of ASME’s Boiler and Pressure Vessel Committee on Nuclear Inservice Inspection (Boiler and Pressure Vessel Code Week August 21, 2014 Washington, D.C.) |
| Technical Director, Fracture Programs | |
| Kinectrics | |
| 1083 Lovingston Cres | |
| Mississauga, Ontario L4W 3M5 | |
| Canada | |

### GUSTUS L. LARSON MEMORIAL AWARD

| Wei Lu, Ph.D., Fellow | For outstanding achievements in mechanical engineering within 10 to 20 years following graduation |
| Department of Mechanical Engineering | |
| University of Michigan | |
| 2294 G.G. Brown Building | |
| 2350 Hayward Street | |
| Ann Arbor, MI 48109-2125 | |

### H.R. LISSNER MEDAL

| Kyriacos A. Athanasiou, Ph.D., P.E., Fellow | For sustained and outstanding leadership in biomechanical engineering, and for pioneering work in soft tissue regeneration (2014 7th World Congress of Biomechanics (WCB) July 6-11, 2014 in Boston, Massachusetts) |
| Department of Biomedical Engineering | |
| University of California, Davis | |
| 5716 Tufs Street | |
| Davis, CA 95618 | |
### MACHINE DESIGN AWARD

<table>
<thead>
<tr>
<th>Larry L. Howell, Ph.D., P.E., Fellow</th>
<th>For research, application, teaching and service contributions that have had a lasting impact on compliant mechanisms including making it possible to create devices with unprecedented performance, such as origami-inspired mechanisms, microelectromechanical systems, space mechanisms and medical devices (ASME 2014 International Design Engineering Technical Conferences (IDETC) August 17-20, 2014, in Buffalo, New York)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical Engineering</td>
<td></td>
</tr>
<tr>
<td>Brigham Young University</td>
<td></td>
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<tr>
<td>435 CTB</td>
<td></td>
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<tr>
<td>Provo, UT  84602-4201</td>
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</tr>
</tbody>
</table>

### CHARLES T. MAIN STUDENT SECTION AWARD

<table>
<thead>
<tr>
<th>Meredith A. Campbell, Member</th>
<th>For outstanding contributions to ASME including service as chair of the Daniel Webster College Student Section and the District A Student District Operating Board, and involvement with the Human Powered Vehicle Challenge and the Student Section Enterprise Committee; and for creating change in the community through numerous other campus activities.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daniel Webster College</td>
<td></td>
</tr>
<tr>
<td>24 Chester Road</td>
<td></td>
</tr>
<tr>
<td>Derry, NH 03038-1636</td>
<td></td>
</tr>
</tbody>
</table>

### SILVER

<table>
<thead>
<tr>
<th>Claire C. Harper, Member</th>
<th>For dedicated leadership within the ASME Student Section at The University of Alabama including tireless efforts to promote section growth and provide robust leadership for the future; and for service as vice chair and chair of the District F Student District Operating Board</th>
</tr>
</thead>
<tbody>
<tr>
<td>The University of Alabama</td>
<td></td>
</tr>
<tr>
<td>P.O. Box 39</td>
<td></td>
</tr>
<tr>
<td>Gordo, AL 35466</td>
<td></td>
</tr>
</tbody>
</table>

### McCORDALD MENTORING AWARD

<table>
<thead>
<tr>
<th>Nael Barakat, Ph.D., P.Eng., Fellow</th>
<th>For outstanding contributions to ASME for nearly two decades, particularly for integrating succession planning with a focus on early career engineers and for encouraging active involvement in the profession through leadership and mentoring</th>
</tr>
</thead>
<tbody>
<tr>
<td>School of Engineering</td>
<td></td>
</tr>
<tr>
<td>Grand Valley State University</td>
<td></td>
</tr>
<tr>
<td>2270 Pine Run Court</td>
<td></td>
</tr>
<tr>
<td>Grand Rapids, MI 49546</td>
<td></td>
</tr>
</tbody>
</table>

### M. EUGENE MERCHANT MANUFACTURING MEDAL OF ASME/SME

<table>
<thead>
<tr>
<th>Dean L. Bartles, Ph.D., Fellow</th>
<th>For pioneering contributions to tank, mortar and artillery ammunition production processes as well as the multiple launch rocket system demilitarization process, which resulted in improvements in production rate efficiency, environmental control and energy utilization (Big M” Manufacturing Summit on June 9, 2014, in Detroit, Michigan)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Director</td>
<td></td>
</tr>
<tr>
<td>Digital Manufacturing</td>
<td></td>
</tr>
<tr>
<td>&amp; Design Innovation Institute</td>
<td></td>
</tr>
<tr>
<td>200 East Randolph Street, Suite 200</td>
<td></td>
</tr>
<tr>
<td>Chicago, IL 60601</td>
<td></td>
</tr>
</tbody>
</table>

### VAN C. MOW MEDAL

<table>
<thead>
<tr>
<th>Christopher R. Jacobs, Ph.D., Member</th>
<th>For outstanding contributions to biomechanics including novel anisotropic computer simulations of bone adaptation, studies of loading-induced dynamic fluid flow on bone cell adaptation, evidence of the role of primary cilia in mechanosensing, and the first fluid-structure interaction models of cilia bending (2014 7th World Congress of Biomechanics (WCB), July 6-11, 2014, in Boston, Massachusetts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical Engineering Department</td>
<td></td>
</tr>
<tr>
<td>Columbia University</td>
<td></td>
</tr>
<tr>
<td>351-H Engineering Terrace</td>
<td></td>
</tr>
<tr>
<td>1210 Amsterdam Avenue</td>
<td></td>
</tr>
<tr>
<td>M/C 8904</td>
<td></td>
</tr>
<tr>
<td>New York, NY 10027</td>
<td></td>
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</tbody>
</table>
### SIA NEMAT-NASSER EARLY CAREER AWARD

| Kevin T. Turner, Ph.D., Member | For outstanding research in experimental and theoretical solid mechanics, particularly for advancing the understanding of interfacial mechanics with applications to microscale and nanoscale manufacturing, wafer bonding, layer transfer processes, failure and reliability in microsystems, and advanced lithography |
| Mechanical Engineering and Applied Mechanics Department | |
| University of Pennsylvania | |
| 245 Towne Building | |
| 220 South 33rd Street | |
| Philadelphia, PA 19104-6315 | |

### BURT L. NEWKIRK AWARD

| Bart Raeymaekers, Ph.D., Member | For significant contributions in the area of hydrodynamic lubrication, particularly surface texturing to reduce friction that has been applied to magnetic storage devices and, most recently, to orthopaedic implant devices (2014 World Tribology Congress September 8-13, 2014, in Torino, Italy) |
| Department of Mechanical Engineering | |
| University of Utah | |
| 50 South Central Campus Drive | |
| MEB 2122 | |
| Salt Lake City, UT 84112 | |

### RUFUS OLDENBURGER MEDAL

| Robert R. Bitmead, Ph.D., P.E. | For sustained contributions, in both theory and application, to joint system modeling and control design; and for work that has had major impact on model predictive control and controller certification based on experimental data (ASME 2014 Dynamic Systems and Control (DSC) Conference, October 22–24, at the Marriott Plaza Hotel, in San Antonio, Texas) |
| Department of Mechanical and Aerospace Engineering | |
| University of California-San Diego | |
| 9500 Gilman Drive | |
| La Jolla, CA 92093-0411 | |

### OLD GUARD EARLY CAREER AWARD

| Andres E. Rondon Marin, Member | For inspirational leadership within ASME that has had an impact on young engineers in more than 10 countries; and for extraordinary career achievements including ongoing educational pursuits |
| 80 Boulevard Diderot | |
| 75012 Paris | |
| France | |

### RUNNER-UP

| Jennifer S. Cooper, Member | For managing and supporting the development of ASME programs including the Safety Engineering and Risk Analysis Division’s Student Paper Competition, the Early Career Web Content and the ECLIPSE Affinity Group |
| 2304 Oakwood Avenue | |
| Dyersburg, TN 38024 | |

### PERFORMANCE TEST CODES MEDAL

| W. Glenn Steele Jr., Ph.D., P.E., Fellow | For significant contributions to the methodology of uncertainty analysis and its application to experimental programs; for serving ASME with exemplary dedication for more than three decades; and for current service as vice chair of PTC 19.1, the Society’s Performance Test Code Committee on Test Uncertainty |
| 205 Research Boulevard | |
| Starkville, MS 39759-5964 | |
### MARSHALL B. PETERSON AWARD

<table>
<thead>
<tr>
<th>Brandon Krick, Ph.D.</th>
<th>For the design and execution of the first tribological experiments of candidate solid lubricants in an extraterrestrial environment, part of MISSE-7, NASA’s Materials International Space Station Experiment program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical Engineering and Mechanics</td>
<td></td>
</tr>
<tr>
<td>Lehigh University</td>
<td></td>
</tr>
<tr>
<td>19 Memorial Drive West</td>
<td></td>
</tr>
<tr>
<td>Bethlehem, PA 18015</td>
<td></td>
</tr>
</tbody>
</table>

### PI TAU SIGMA GOLD MEDAL

<table>
<thead>
<tr>
<th>Ibrahim T. Ozbolat, Ph.D., Member</th>
<th>For outstanding achievements in mechanical engineering within 10 years of graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical and Industrial Engineering Department</td>
<td></td>
</tr>
<tr>
<td>The University of Iowa</td>
<td></td>
</tr>
<tr>
<td>2130 Seamans Center</td>
<td></td>
</tr>
<tr>
<td>Iowa City, IA 52242</td>
<td></td>
</tr>
</tbody>
</table>

### JAMES HARRY POTTER GOLD MEDAL

<table>
<thead>
<tr>
<th>Michael R. von Spakovsky, Ph.D., Fellow</th>
<th>For pushing the boundaries of science by delving into the most basic elements of physics and thermodynamics, and applying these insights to the modeling of complex nonequilibrium/equilibrium phenomena at scales ranging from single particle systems to large stationary cogeneration and high-performance aircraft systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Director, Center for Energy Systems Research</td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineering Department</td>
<td></td>
</tr>
<tr>
<td>Virginia Polytechnic Institute and State University</td>
<td></td>
</tr>
<tr>
<td>Room 0238</td>
<td></td>
</tr>
<tr>
<td>Blacksburg, VA 24060</td>
<td></td>
</tr>
</tbody>
</table>

### S.Y. ZAMRIK PRESSURE VESSELS AND PIPING MEDAL

<table>
<thead>
<tr>
<th>Arthur G. Ware, Ph.D., P.E., Fellow</th>
<th>For providing numerous services to ASME including Codes and Standards, and the Pressure Vessels and Piping Division; and for significant contributions to the design, analysis, licensing and license renewal of nuclear power plants worldwide (2014 ASME Pressure Vessels &amp; Piping Conference, July 14-18, 2014, at the Paris Marriott Rive Gauche Hotel &amp; Conference Center, Paris, France)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consultant</td>
<td></td>
</tr>
<tr>
<td>2585 Shannon Court</td>
<td></td>
</tr>
<tr>
<td>Idaho Falls, ID 83404-7361</td>
<td></td>
</tr>
</tbody>
</table>

### DIXY LEE RAY AWARD

<table>
<thead>
<tr>
<th>Leo P. Duffy, Retired</th>
<th>For advancing the public good through the design of standardized naval nuclear power plant systems that were adopted internationally, and through comprehensive national nuclear waste policy development</th>
</tr>
</thead>
<tbody>
<tr>
<td>705 Dean Court</td>
<td></td>
</tr>
<tr>
<td>Westchester, PA 19382</td>
<td></td>
</tr>
</tbody>
</table>

### CHARLES RUSS RICHARDS MEMORIAL AWARD

<table>
<thead>
<tr>
<th>Suresh V. Garimella, Ph.D., Fellow</th>
<th>For outstanding achievements in mechanical engineering for 20 years or more following graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>School of Mechanical Engineering and Birck Nanotechnology Center</td>
<td></td>
</tr>
<tr>
<td>Purdue University</td>
<td></td>
</tr>
<tr>
<td>585 Purdue Mall</td>
<td></td>
</tr>
<tr>
<td>West Lafayette, IN 47907-2088</td>
<td></td>
</tr>
</tbody>
</table>
**RALPH COATS ROE MEDAL**

<table>
<thead>
<tr>
<th>Adam J. Hart-Davis, Ph.D.</th>
<th>Freelance Photographer, Writer/Broadcaster Thornham Bridge Ermington Devon PL21 0LG United Kingdom</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>For educating the public about science, technology, engineering and mathematics by making STEM both inspirational and accessible in multiple media formats; and for celebrating engineers and the lasting impact of their contributions to the world</td>
</tr>
</tbody>
</table>

**SAFETY CODES AND STANDARDS MEDAL**

<table>
<thead>
<tr>
<th>Robert Bolen, Retired</th>
<th>187 Grouse Hill Road Barto, PA 19504-8904</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>For more than 35 years of dedicated service advocating for the use of ASME safety standards; and for outstanding contributions as a member of the B30 Safety Standards Committee for Cranes and Related Equipment including 21 years as chair of Subcommittee B30.11–Monorails and Underhung Cranes (B30 Committee meetings May 18, 2014, in Baltimore, Maryland)</td>
</tr>
</tbody>
</table>

**R. TOM SAWYER AWARD**

<table>
<thead>
<tr>
<th>Reza S. Abhari, Ph.D.</th>
<th>ETH Zurich Institute of Energy Technology Laboratory of Energy Conversion Sonneggstrasse 3 8092 Zurich Switzerland</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>For significant contributions to the gas turbine industry in both the U.S. and Europe, and for exemplary service to the IGTI (ASME Turbo Expo, Turbine Technical Conference and Exposition, June 16-20, 2014 at the CCD Congress Center in Düsseldorf, Germany)</td>
</tr>
</tbody>
</table>

**MILTON C. SHAW MANUFACTURING RESEARCH MEDAL**

<table>
<thead>
<tr>
<th>Albert Shih, Ph.D., Fellow Mechanical Engineering Department University of Michigan at Ann Arbor 2350 Hayward Street Ann Arbor, MI 48109</th>
</tr>
</thead>
<tbody>
<tr>
<td>For fundamental contributions to super-abrasive grinding in high-volume production; and for leadership that has broadened manufacturing research into the design of advanced medical devices and healthcare operations (ASME International Manufacturing Science and Engineering Conference (MSEC2014) June 9-13, 2014, in Detroit, Michigan)</td>
</tr>
</tbody>
</table>

**BEN C. SPARKS MEDAL**

<table>
<thead>
<tr>
<th>Timothy W. Simpson, Ph.D., Fellow Department of Mechanical and Industrial Engineering Pennsylvania State University 721 Hillcrest Avenue State College, PA 16803</th>
</tr>
</thead>
<tbody>
<tr>
<td>For exemplary leadership of the Learning Factory that has provided unparalleled student access to innovative and authentic practice-based design/build experiences, fostering the largest collegewide and industry-sponsored capstone design program in the U.S (ASME International Mechanical Engineering Education Leadership Summit 2014, March 13-15, 2014 at the Sheraton Hotel San Juan, Puerto Rico)</td>
</tr>
</tbody>
</table>
## RUTH AND JOEL SPIRA OUTSTANDING DESIGN EDUCATOR AWARD

<table>
<thead>
<tr>
<th>Kevin Craig, Ph.D., Fellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical Engineering</td>
</tr>
<tr>
<td>Marquette University</td>
</tr>
<tr>
<td>1847 N 4th Street</td>
</tr>
<tr>
<td>Milwaukee, WI 53201</td>
</tr>
</tbody>
</table>

For transforming engineering design education—students, faculty, curricula and facilities—for more than 30 years through a focus on human-centered, model-based multidisciplinary design, with a balance between theory and industry best practices, taught in the context of actual engineering practice **(ASME 2014 International Design Engineering Technical Conferences (IDETC) August 17-20, 2014, in Buffalo, New York)**

## STUDENT SECTION ADVISOR AWARD

<table>
<thead>
<tr>
<th>Antonios Kontsos, Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical Engineering and Mechanics</td>
</tr>
<tr>
<td>Drexel University</td>
</tr>
<tr>
<td>3141 Chestnut Street</td>
</tr>
<tr>
<td>Randell Hall, Room 115</td>
</tr>
<tr>
<td>Philadelphia, PA 19104</td>
</tr>
</tbody>
</table>

For dedicated service as advisor for the ASME Student Section at Drexel University since the fall of 2010, particularly for enhancing the visibility of the section through increased membership, activities and funding; student attendance at Philadelphia Section and Society events; and personal and professional development opportunities

## J. HALL TAYLOR MEDAL

<table>
<thead>
<tr>
<th>Charles Becht IV, Ph.D., P.E., Fellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
</tr>
<tr>
<td>Becht Engineering Co., Inc.</td>
</tr>
<tr>
<td>22 Church Street</td>
</tr>
<tr>
<td>P.O. Box 300</td>
</tr>
<tr>
<td>Liberty Corner, NJ 07938-0300</td>
</tr>
</tbody>
</table>

For distinguished leadership and professionalism in the technical advancement of ASME codes and standards for pressure vessels and piping; and for dedication to the engineering profession, public safety and component reliability in the construction of pressure equipment

## TECHNICAL COMMUNITIES GLOBALIZATION MEDAL

<table>
<thead>
<tr>
<th>Upendra S. Rohatgi, Ph.D., Fellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior Mechanical Engineer</td>
</tr>
<tr>
<td>Department of Nuclear Energy</td>
</tr>
<tr>
<td>Brookhaven National Laboratory</td>
</tr>
<tr>
<td>Building 197D</td>
</tr>
<tr>
<td>Upton, NY 11973-5000</td>
</tr>
</tbody>
</table>

For career accomplishments that have reduced the risk of the proliferation of weapons of mass destruction and increased global security through the engagement of engineers from former republics of the Soviet Union and Iraq, previously involved in WMD development, to create new technologies for U.S. industries and institutions in the European Union, Japan and Canada; and through scientific interactions at the International Science and Technology Center–Moscow

## ROBERT HENRY THURSTON LECTURE AWARD

<table>
<thead>
<tr>
<th>Ken P. Chong, Ph.D., Fellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical and Aerospace Engineering</td>
</tr>
<tr>
<td>George Washington University</td>
</tr>
<tr>
<td>1211 Foreswood Drive</td>
</tr>
<tr>
<td>McLean, VA 22101</td>
</tr>
</tbody>
</table>

For fostering new research directions to meet national needs through efforts including visionary leadership in the fields of nanomechanics and materials; for mentoring and nurturing a new generation of engineering educators; and for pioneering work in architectural sandwich panels and brittle-fracture testing methods
<table>
<thead>
<tr>
<th>TIMOSHENKO MEDAL</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Robert M. McMeeking, Ph.D., Fellow</td>
<td></td>
</tr>
<tr>
<td>Department of Mechanical and Environmental Engineering</td>
<td></td>
</tr>
<tr>
<td>University of California</td>
<td></td>
</tr>
<tr>
<td>Engineering II Building</td>
<td></td>
</tr>
<tr>
<td>Room 2361D</td>
<td></td>
</tr>
<tr>
<td>Santa Barbara, CA 93106-5070</td>
<td>For pioneering contributions to broad areas of applied mechanics including nonlinear fracture mechanics, transformation toughening, mechanics of composites, powder consolidation, and ferroelectric fracture and constitutive modeling</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>GEORGE WESTINGHOUSE GOLD MEDAL</th>
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</thead>
<tbody>
<tr>
<td>Ryoichi S. Amano, Ph.D., Fellow</td>
<td></td>
</tr>
<tr>
<td>Department of Mechanical Engineering</td>
<td></td>
</tr>
<tr>
<td>University of Wisconsin-Milwaukee</td>
<td></td>
</tr>
<tr>
<td>USR Building 201L</td>
<td></td>
</tr>
<tr>
<td>115 E Reindl Way</td>
<td></td>
</tr>
<tr>
<td>Glendale, WI 53212</td>
<td>For sustained efforts in education and research for the power industry, particularly outstanding contributions to the development and application of mathematical and experimental methods for innovations in power plant technologies that have resulted in significant improvement in efficiency and performance</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HENRY R. WORTHINGTON MEDAL</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gerald L. Morrison, Ph.D., P.E., Fellow</td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineering Department</td>
<td></td>
</tr>
<tr>
<td>Texas A&amp;M University</td>
<td></td>
</tr>
<tr>
<td>3194 Palleo Point</td>
<td></td>
</tr>
<tr>
<td>College Station, TX 77845</td>
<td>For more than three decades of pump research and development ranging from the space shuttle main engines to multiphase electric submersible pumps; and for advanced experimental and computational techniques that have expanded the understanding of pump operation and characterization</td>
</tr>
</tbody>
</table>
## LITERATURE AWARDS

### BLACKALL MACHINE TOOL & GAGE AWARD

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Award Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert G. Landers, Ph.D., Fellow</td>
<td>Missouri University of Science and Technology 130 Toomey Hall 400 W. 13th Street Rolla, MO 65409</td>
<td></td>
</tr>
<tr>
<td>Ming C. Leu, Ph.D., Fellow</td>
<td>Missouri Univ of Science and Technology 1870 Miner Circle Rolla, MO 65409</td>
<td></td>
</tr>
<tr>
<td>Lie Tang, Ph.D.</td>
<td>Control Specialist Quality Manufacturing Systems, Inc. 1115 Tiger Woods Way Murfreesboro, TN 37129</td>
<td></td>
</tr>
</tbody>
</table>

### FREEMAN SCHOLAR AWARD

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Award Description</th>
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</thead>
<tbody>
<tr>
<td>Steven Ceccio, Ph.D., Fellow</td>
<td>University of Michigan Room 215 2600 Draper Road Ann Arbor, MI 48109-2145</td>
<td>For the paper titled “Skin Friction Reduction in External Flows” (ASME 2014 Fluids Engineering Division Summer Meeting (FEDSM2014), August 3-7, 2014, Chicago, Illinois)</td>
</tr>
</tbody>
</table>

### GAS TURBINE AWARD

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Award Description</th>
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</thead>
<tbody>
<tr>
<td>Graham Pullan, Ph.D., Member</td>
<td>University of Cambridge Whittle Laboratory 1 JJ Thomson Avenue Cambridge, CB3 0DY United Kingdom</td>
<td>For the paper titled “Origins and Structure of Spike-Type Rotating Stall” (ASME Turbo Expo, Turbine Technical Conference and Exposition, June 16-20, 2014 at the CCD Congress Center in Düsseldorf, Germany)</td>
</tr>
<tr>
<td>Ivor J. Day, Ph.D., P.E., Fellow</td>
<td>University of Cambridge Whittle Laboratory 1 JJ Thomson Avenue Cambridge, CB3 0DY United Kingdom</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Department</td>
<td>Address</td>
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<tr>
<td>-------------------------------------------</td>
<td>---------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Anna M. Young, Ph.D.</td>
<td>Department of Engineering</td>
<td>Whittle Laboratory</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 JJ Thomson Avenue</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cambridge, CB3 0DY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>United Kingdom</td>
</tr>
<tr>
<td>Edward M. Greitzer, Ph.D.</td>
<td>Department of Aeronautics and Astronautics</td>
<td>31-266 Gas Turbine Laboratory</td>
</tr>
<tr>
<td></td>
<td></td>
<td>77 Massachusetts Avenue</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cambridge, MA 02139</td>
</tr>
<tr>
<td>Zoltan S. Spakovszky, Ph.D., Member</td>
<td>Gas Turbine Laboratory</td>
<td>Building 31, Room 265</td>
</tr>
<tr>
<td></td>
<td></td>
<td>77 Massachusetts Avenue</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cambridge, MA 02139</td>
</tr>
<tr>
<td>Mohamad (Hameed) Metghalchi, Sc.D., Fellow</td>
<td>Department of Mechanical and Industrial Engineering</td>
<td>Northwestern University</td>
</tr>
<tr>
<td></td>
<td></td>
<td>360 Huntington Avenue</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boston, MA 02115</td>
</tr>
<tr>
<td>Mohammad Janbozorgi</td>
<td>Department of Mechanical and Industrial Engineering</td>
<td>Northeastern University</td>
</tr>
<tr>
<td></td>
<td></td>
<td>334 Snell Engineerin Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boston, MA 02115</td>
</tr>
<tr>
<td>Ghassan J. Nicolas, Ph.D., Member</td>
<td>Schlumberger Fracturing and Stimulation Engineer</td>
<td>Saudi Aramco Uthmaniyah C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lot 1-6, Block D</td>
</tr>
<tr>
<td></td>
<td></td>
<td>P.O. Box 7910</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Udhayliyah, Saudi Arabia</td>
</tr>
</tbody>
</table>

**EDWARD F. OBERT AWARD**

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mohamad (Hameed) Metghalchi, Sc.D., Fellow</td>
<td>Department of Mechanical and Industrial Engineering</td>
<td>For the paper titled &quot;Constrained-Equilibrium Modeling of Methane Oxidation in Air&quot;</td>
</tr>
<tr>
<td>Mohammad Janbozorgi</td>
<td>Department of Mechanical and Industrial Engineering</td>
<td></td>
</tr>
<tr>
<td>Ghassan J. Nicolas, Ph.D., Member</td>
<td>Schlumberger Fracturing and Stimulation Engineer</td>
<td></td>
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</table>
**PRIME MOVERS AWARD**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Award Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albert S. Birks, P.E., Member</td>
<td>NDT Consultant 1 County Road 230 Corith, MS 38834</td>
<td></td>
</tr>
</tbody>
</table>

**WORCESTER REED WARNER MEDAL**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Award Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vigor Yang, Ph.D., Fellow</td>
<td>Daniel Guggenheim School of Aerospace Engineering Georgia Institute of Technology 313 Montgomery Knight Bldg. 270 Ferst Drive Atlanta, GA 30332-0150</td>
<td>For extensive and fundamental contributions to the literature of combustion dynamics for propulsion and power-generation technology development.</td>
</tr>
</tbody>
</table>

**ARTHUR L. WILLISTON MEDAL**

**WINNER**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Award Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mavila M. Miller, Member</td>
<td>Yale University 171 Winchester Avenue, #3 New Haven, CT 06511</td>
<td>For the paper titled “Engineering – Learning from the Past and Building the Future.”</td>
</tr>
</tbody>
</table>

**SECOND**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Award Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bernard K. Witschen, Member</td>
<td>United States Military Academy P.O. Box 4721 West Point, NY 10997-4721</td>
<td>For the paper titled “Mechanical Engineering’s Involvement in Aviation Public Safety”</td>
</tr>
</tbody>
</table>

**THIRD**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Award Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uyanna Obinna, Member</td>
<td>University of Evansville 201 South Weinbach Avenue Evansville, IN 47714</td>
<td>For the paper titled “Inherently Safe Designs Improve Nuclear Power Plant Safety: A Case Study Illustrating Mechanical Engineering’s Role in Ensuring Public Safety”</td>
</tr>
</tbody>
</table>
Date Submitted: May 15, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: (Sector/Unit/Task Force/Other) COR
Presented by: Larry Luna
Agenda Title: Proposed Appointments

Agenda Item Executive Summary: (Do not exceed the space provided)

Proposed appointments reviewed by the COR on May 10, 2014.

Proposed motion for BOG Action: (if appropriate)

Approve the proposed appointments.

Attachments:
Appointment Listing.
### June 8, 2014
**PROPOSED APPOINTMENTS TO ASME UNIT**

<table>
<thead>
<tr>
<th>Internal Unit</th>
<th>Nominee</th>
<th>Appointment Position/Title</th>
<th>Appointment Term/Category</th>
<th>Appointment Type</th>
<th>History</th>
</tr>
</thead>
<tbody>
<tr>
<td>Committee on Honors</td>
<td>Yildz Bayazitoglu</td>
<td>Member-at-Large</td>
<td>July 1, 2014 – June 30, 2017</td>
<td>Appointment</td>
<td>Current: Representative, ICHMT. Previous: Chair, K-3 Honors &amp; Awards, Bergles-Rohsenow Young Investigator Award in Heat Transfer and Heat Transfer Memorial Awards Committee; Chair, Heat Transfer Division</td>
</tr>
<tr>
<td>Committee on Honors</td>
<td>Leroy “Skip” Fletcher</td>
<td>Member-at-Large</td>
<td>July 1, 2014 – June 30, 2015</td>
<td>Appointment</td>
<td>Current: Member, Committee of Past Presidents. Previous: Member, Committee on Honors; President, BOG</td>
</tr>
<tr>
<td>Committee on Organization and Rules</td>
<td>Julie Bachmann Kulik</td>
<td>Member-at-Large</td>
<td>July 1, 2014 – June 30, 2015</td>
<td>Appointment</td>
<td>Current: Diversity and Inclusion Strategy, Member; Philadelphia Section, Past Chair; Women in Engineering Affinity Group, Past Chair</td>
</tr>
</tbody>
</table>
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 15, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: (Sector/Unit/Task Force/Other) COR
Presented by: Larry Luna
Agenda Title: By-Law Revision B3.1.8, First Reading

Agenda Item Executive Summary: (Do not exceed the space provided)

With the reorganization of the Knowledge & Community and Institutes Sectors, B3.1.8 removes the K&C Affinity Group as an office a Student Member may vote or hold elective office, leaving the By-Law open to other nontechnical/outreach Groups.

These By-Law revisions were approved by the Committee on Organization and Rules on May 10, 2014.

Proposed motion for BOG Action: (if appropriate)

Revise B3.1.8 as attached

Attachments:
Word document
B3.1 MEMBERSHIP

B3.1.8 A Student Member may participate in all the activities of the Society but shall not be permitted to vote at a Business Meeting of the Society or hold an elective office except in a student-oriented or nontechnical/outreach K&C Affinity Group and the student section where the student is a member.
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 15, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: (Sector/Unit/Task Force/Other) COR
Presented by: Larry Luna
Agenda Title: By-Law Revision B3.2, First Reading

Agenda Item Executive Summary: (Do not exceed the space provided)

B3.2.2 changes who a member may appeal to for “dues under special reason”

B3.2.9 removes the liaison to the Membership area

B3.2.13 abbreviates ASME

These By-Law revisions were approved by the Committee on Organization and Rules on May 10, 2014.

Proposed motion for BOG Action: (if appropriate)

Revise B3.2 as attached

Attachments:
Word document
B3.2 FEES AND DUES

B3.2.2 The dues of any member or the entrance fee of a prospective member may be remitted for any special reason by the Membership staff, with the exception being A member may appeal the Membership staff’s decision on the remittance of “dues under special reason” to the Executive Director in conjunction with the President.

When a new dues structure is created. In this case, it must be approved by the Board of Governors liaison to the Membership area Executive Director in conjunction with the President.

B3.2.2.1 A member may appeal the Membership staff’s decision on the remittance of “dues under special reason” to the Operating Board of the Knowledge and Community Sector.

B3.2.9 The Membership staff may restore to membership any person dropped from the rolls for nonpayment of dues upon such conditions as it may deem best appropriate, and with the approval of the Board of Governors liaison to the Membership area.

B3.2.13 A member of a technical society with which the Society has a reciprocal agreement who applies for membership in ASME the American Society of Mechanical Engineers shall not be required to pay any entrance fee. Such an applicant must file formal application for membership and must meet the membership requirements of the grade of membership for which application is made. This exemption shall apply only for entrance to an equivalent or lower grade of membership.
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 15, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: (Sector/Unit/Task Force/Other) COR
Presented by: Larry Luna
Agenda Title: By-Law Revision B4.2.2.2, First Reading

Agenda Item Executive Summary: (Do not exceed the space provided)

The addition to B4.2.2.2 includes representation on the new Technical Events and Content (TEC) Sector. Since this sector will not use the term Vice President, the added sentence is specific to the TEC Sector.

This By-Law revision was approved by the Committee on Organization and Rules on May 10, 2014. The revised B4.2.2.2 was approved by the Committee on Organization and Rules on May 30, 2014.

Proposed motion for BOG Action: (if appropriate)

Revise B4.2.2.2 as attached

Attachments:
Word document
B4.2 NOMINATING COMMITTEE

B4.2.2.2 The Nominating Committee shall consist of one voting member and an alternate selected by each unit of a sector that is led by a Vice President. At the option of a sector, as described in the sector’s Operation Guide, one additional alternate may be named by the Sector. In the event that a sector has only one Vice President, that sector may have two voting members and two alternates and may name one additional alternate as determined by the sector Operation Guide. The TEC Sector shall have five seven voting members and five seven alternates selected by the Sector. Approximately one-half of the voting members will have terms that expire annually. Nominations for open positions for voting members and alternates shall be made as provided in By-Law B4.2.2.3 and shall be voted upon at the Business Meetings as provided in By-Law B4.2.2.1.

Voting members and alternates shall be of the Member or Fellow grade and not currently serving in any elective office of the Society.
Date Submitted: May 15, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: (Sector/Unit/Task Force/Other) COR
Presented by: Larry Luna
Agenda Title: By-Law Revision B4.3, First Reading

Agenda Item Executive Summary: (Do not exceed the space provided)

B4.3.2 adds that the President of ASME may not be an employee of the Society. This is a requirement in the New York State Nonprofit Law.

B.4.3.5 adds that the Executive Director is an employee of the Society. This addition was to keep language consistent.

B.4.3.8 With the dissolution of the Knowledge and Community and Institutes Sectors, B4.3.8 removes the Vice President positions from these Sectors as Officers of the Society.

These By-Law revisions were approved by the Committee on Organization and Rules on May 10, 2014.

Proposed motion for BOG Action: (if appropriate)

Revise B4.3 as attached

Attachments:
Word document
**B4.3 OFFICERS**

**B4.3.2** The President shall be the chief elected Officer of the Society. He or she shall preside at all Business meetings of the Society and of the Board of Governors, and shall have such other powers and perform such other duties as the Board of Governors may from time to time prescribe. **The President may not be an employee of the Society.**

If the President is unable to preside at any meeting of the Board of Governors, the immediate past President shall preside. If that is not possible, the Board shall elect one of its voting members to be Chair of the meeting.

If the President is unable to preside at any Business Meeting of the Society, the immediate past President shall preside. If that is not possible, then the next most-recent available past President shall preside.

The term of the President shall begin at the close of the second Business Meeting of the fiscal year at a time designated by the Board of Governors.

**B4.3.5** The Executive Director shall be an employee and the chief operating Officer of the Society, an ex officio member of the Board of Governors without vote, and shall have such powers and perform such duties as the Board of Governors may from time to time prescribe.

**B4.3.8** Among the Officers of the Society, there shall be the following vice presidents:

- Vice President for Education
- Vice President for Global Outreach
- Vice President for Government Relations
- Vice President for Conformity Assessment
- Vice President for Nuclear Codes and Standards
- Vice President for Pressure Technology Codes and Standards
- Vice President for Safety Codes and Standards
- Vice President for Standardization and Testing
- Vice President for International Gas Turbine Institute
Vice President for International Petroleum Technology Institute
Vice President for Affinity Communities
Vice President for Financial Operations
Vice President for Global Communities
Vice President for Programs & Activities
Vice President for Technical Communities
Vice President for Leadership and Recognition

The term of each vice president shall be three years, beginning and ending at the second Business Meeting of the fiscal year. The terms of approximately one-third of the vice presidents shall end each year, according to a schedule approved by the Board of Governors.
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 15, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: (Sector/Unit/Task Force/Other) COR
Presented by: Larry Luna
Agenda Title: By-Law Revision B5.2, First Reading

Agenda Item Executive Summary: (Do not exceed the space provided)

B5.2.1 removes the Institutes and Knowledge and Community Sectors and adds the Technical Events and Content Sector.

B5.2.2 clarifies the standing committee’s composition.

B5.2.10.1 was revised due to the New York State Nonprofit Revitalization Act that put restraints on the composition of the Audit Committee.

B5.2.10.2 was revised due to the New York State Nonprofit Revitalization Act and provides the function of the Committee.

These By-Law revisions were approved by the Committee on Organization and Rules on May 10, 2014.

Proposed motion for BOG Action: (if appropriate)

Revise B5.2 as attached

Attachments:
Word document
B5.2 SECTORS AND COMMITTEES REPORTING TO THE BOARD OF GOVERNORS

B5.2.1 The sectors reporting to the Board of Governors shall be the Standards and Certification Sector, the Institutes Sector, the Knowledge and Community–Technical Events and Content Sector, the Public Affairs and Outreach Sector and the Student and Early Career Development Sector.

Each sector shall be led by a council, sector board or sector operating board. The Council, Sector Board, or Sector Operating Board of each sector shall consist of such voting members as specified in the sector By-Laws. Individuals, as may be required or designated pursuant to any statute, regulation, or court order or consent decree may also be voting or non-voting members of a sector Council, Sector Board or Sector Operating Board. A member of the senior staff of the sector, if any, may be a voting member of the sector Council, Sector Board or Sector operating Board. The sector Council, Sector Board or Sector Operating Board may designate both volunteer and staff non-voting members.

The duties and responsibilities of the sectors shall be as designated from time to time by the Board of Governors. Each sector shall maintain its own operation guide as prescribed by Society Policy. Each sector shall be chaired by a senior vice president who shall serve a term of three years. Additional service as the same senior vice president may occur after an interruption of one or more years or following a partial term. Senior vice presidents shall attend meetings of the Board of Governors without vote.

B5.2.2 The following Standing Committees shall report to the Board of Governors and shall be appointed by the Board of Governors or the President as determined in the By-Laws: Committee on Organization and Rules, Committee on Finance and Investment, Audit Committee, Committee on Executive Director Evaluation and Staff Compensation, Committee on Governance, Committee on Honors, and the Committee of Past Presidents. Each Standing Committee shall maintain its own operation guide as prescribed by Society Policy. If a Standing Committee includes individuals who are not Governors, it is not a committee of the Board and may not bind the Board; provided, however, that the Committee on Finance and Investment may bind the Board with respect to investment matters without regard to whether it includes individuals who are not Governors.

B5.2.10.1 The Audit Committee shall consist of a Chair, a Vice Chair and a voting membership as determined by the Board of Governors consisting solely of “independent” members of the Board as defined under Section 102(a)(21) of the New York Not-for-Profit Corporation Law.

The Treasurer shall be an ex officio member of the Committee without vote. The Assistant Treasurer and the Second Assistant Treasurer shall be ex officio members of the Committee without vote.
At the close of each fiscal year, the Audit Committee shall review with the external auditor the audited financial statements.

The Audit Committee, under the direction of the Board of Governors, shall oversee the accounting and financial reporting process of the Society and the audit of its financial statements and report its activities to the Board. The Committee will be responsible for overseeing the adoption and implementation of, and compliance with, the Society Policies on whistleblowers and conflicts of interest. The Committee will annually consider the performance and independence of the independent auditor and recommend retaining or renewing the retention of the independent auditor to the Board. The Committee will liaise with the independent auditor prior to the commencement of the audit and upon completion of the audit, review and discuss the audit results and any related management letter with the auditor, including:

(a) any material risks and weaknesses in internal controls identified by the auditor;
(b) any restrictions on the scope of the auditor’s activities or access to requested information;
(c) any significant disagreements between the auditor and management; and
(d) the adequacy of the Corporation’s accounting and financial reporting processes.
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 15, 2014, June 5, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: (Sector/Unit/Task Force/Other) COR
Presented by: Larry Luna
Agenda Title: By-Law Revision B5.5 for First Reading

Agenda Item Executive Summary: *Do not exceed the space provided*

The Knowledge and Community Sector is being dissolved. The newly developed Technical Events and Content Sector has proposed By-Laws which were created by the Technical Events and Content Sector Taskforce. These By-Law revisions were approved by the Committee on Organization and Rules on May 10, 2014.

The revised B5.5.1.2, B5.5.1.4 and B5.5.1.5 were approved by the Committee on Organization and Rules on May 30, 2014.

Proposed motion for BOG Action: *(if appropriate)*

To sunset B5.5 Institutes Sector and replace B5.5 with the Technical Events and Content Sector

Attachments:
Word document
B5.5 INSTITUTES SECTOR TECHNICAL EVENTS AND CONTENT SECTOR

B5.5.1.1 The Institutes Sector, under the direction of the Board of Governors, is responsible for the activities of the Society relating to ASME Institutes and ASME business and unit incubation activities. The Institutes Sector will maintain a current Sector Operation Guide that will contain operational details of the Institutes Sector that are not in these By-Laws.

The Technical Events and Content (TEC) Sector, under the direction of the Board of Governors, is responsible for activities of the Society relating to engaging individuals and groups in advancing engineering skill, art, science, knowledge and practice, and in planning, developing and delivering new technical content in the form of new products, services, networking opportunities, conferences, events and delivery mechanisms across ASME’s market segments. The Technical Events and Content Sector will maintain a current Sector Operation Guide containing operational details of the Sector not covered in these By-Laws.

B5.5.1.2 The Institutes Sector shall be led by a Sector Board that consists of the following voting membership: a Senior Vice President as Chair; the Vice Presidents and the Board Chairs for the following Institutes: International Gas Turbine Institute (IGTI) and International Petroleum Technology Institute (IPTI), and the Managing Director of Institutes. The non-voting membership of the Sector Board shall consist of the Board Vice Chairs for IGTI and IPTI and the most senior ASME staff from each Institute.

The Technical Events and Content Sector shall be led by a Sector Council that consists of the following voting membership: a Senior Vice President (SVP) as Chair, and the Segment Leaders representing each of the designated Sector Market Segments as outlined in the Sector Operation Guide, and up to five members-at-large. The non-voting membership of the Sector Council shall include staff as appointed by the Executive Director. The Sector Council may appoint additional non-voting members.

B5.5.1.3 The incoming Senior Vice President of Institutes shall be nominated by the Institutes Sector Board from among its past or present Vice Presidents for appointment by the Board of Governors for a term of three years. In the event that a past or present Vice President is not available from the Institutes Sector Board, then the Sector Board shall defer to the Board of Governors for the Senior Vice President selection. Vice Presidents who have been elected to a term that extends more than one year into a new term of the Senior Vice President of the Institutes are not eligible to become the Senior Vice President.

The incoming Senior Vice President of the Technical Events and Content Sector shall be nominated by the Technical Events and Content Sector Council from among its past or present volunteer members for appointment by vote of the Board of Governors to a term of three years. In the event that a past TEC Sector Council member is not available, then the Sector Council will make a recommendation for a qualified candidate to the Board of Governors for consideration.

B5.5.2.1.4 The following Institutes will report directly to the Institutes Sector Board: IGTI and IPTI. Each of these Institutes will adopt its own operation guide, for the conduct of its affairs, which must be in harmony with the Constitution and By-Laws and Society Policies of ASME.
An up-to-date copy of each Institute’s operation guides shall be filed with the Managing Director, Institutes.

The Segment LeadersRepresentatives are nominated by the Segment Leadership Team Members within each defined Segment for an appointment by vote of the Technical Events and Content Sector Council to a term of up to two/three years. In all cases the appointment should best meet the qualifications for Segment and Sector Leadership and composition balance as outlined in the Sector Operations Guide.

**B5.5.2.2** IGTI is responsible for the gas turbine related activities of the Society and shall be governed by a Board.

**B5.5.2.3** IPTI is responsible for the oil, gas and petroleum related activities of the Society and shall be governed by a Board.

**B5.5.1.5** The members-at-large shall be appointed by the Board of Governors as recommended by the Technical Events and Content Sector Council. The term of the members-at-large shall be up to three years.
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 15, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: (Sector/Unit/Task Force/Other) COR
Presented by: Larry Luna
Agenda Title: By-Law Revision B5.4, Second Reading

Agenda Item Executive Summary: (Do not exceed the space provided)

The Standards and Certification Council requests changes to B5.4 to reflect Council on S&C action to sunset the Board on New Development as its charter overlaps that of other S&C Boards; add a representative from the Energy and Environmental Standards Advisory Board (EESAB) as an ex-officio member of the Council on S&C; currently EESAB is the only S&C Board without representation on the Council; and editorial revisions. These By-Law revisions were approved by the Committee on Organization and Rules on April 1, 2014. The first reading of the Board of Governors was on April 25, 2014.

Proposed motion for BOG Action: (if appropriate)

Revise B5.4 as attached

Attachments:
Word document
B5.4 STANDARDS AND CERTIFICATION SECTOR

B5.4.1.1 The Standards and Certification Sector, under the direction of the Board of Governors, is responsible for the activities of the Society relating to codes and standards, including related conformity assessment programs. The Standards and Certification Sector will maintain a current Sector Operation Guide that will contain operational details of the Standards and Certification Sector that are not in these By-Laws.

B5.4.1.2 The Standards and Certification Sector shall be led by a Council that consists of the following voting membership: a Senior Vice President as Chair; two Vice Chairs; no more than twelve members-at-large; the Vice Presidents for the following Boards: Standardization and Testing, Nuclear Codes and Standards, Pressure Technology Codes and Standards, Safety Codes and Standards, and Conformity Assessment; one—and one—representative each—each preferably the Chair—from the Board on Hearings and Appeals and the Board on New Development and the Energy and Environmental Standards Advisory Board. The nonvoting membership of the Council shall consist of the Associate Deputy Executive Director and the Managing Directors, Standards and Certification.

B5.4.1.3 The incoming Senior Vice President of Standards and Certification shall be nominated by the Standards and Certification Council from among its past or present Vice Presidents and members-at-large for appointment by the Board of Governors for a term of three years. In the event that a past or present Vice President or member-at-large is not available from the Standards and Certification Council, then the Council shall defer to the Board of Governors for the Senior Vice President selection. Vice Presidents who have been elected to a term that extends more than one year into a new term of the Senior Vice President of Standards and Certification are not eligible to become the Senior Vice President.

B5.4.1.4 The twelve members-at-large and the Vice Chairs shall be appointed by the Board of Governors, as recommended by the Standards and Certification Council. The term of each member-at-large and Vice Chair shall be three years, with the terms of one-third of the members-at-large ending at the close of the second Business Meeting of the fiscal year. The representatives (preferably the Chair) from the Board on Hearings and Appeals and the Board on New Development and the Energy and Environmental Standards Advisory Board shall be appointed by the Board of Governors, acting upon a recommendation from the Standards and Certification Council. The term of each representative shall be three years, ending at the close of the second Business Meeting of the fiscal year.
B5.4.2.1 The following Boards will report directly to the Standards and Certification Council: Board on Standardization and Testing, Board on Nuclear Codes and Standards, Board on Pressure Technology Codes and Standards, Board on Safety Codes and Standards, Board on Conformity Assessment, Board on New Development, Energy and Environmental Standards Advisory Board, Board on Codes and Standards Operations, Board on Strategic Initiatives, and the Board on Hearings and Appeals.

B5.4.2.2 The Boards on Standardization and Testing; Nuclear Codes and Standards; Pressure Technology Codes and Standards; Safety Codes and Standards; New Development and Conformity Assessment shall supervise the development of codes and standards within their respective charters, including the development of conformity assessment criteria for applicable codes and standards. The Board on Conformity Assessment shall also supervise the administration of conformity assessment programs. The Energy and Environmental Standards Advisory Board shall coordinate initiation of new Standards and Certification products and services addressing global energy and environmental needs. The Board on Codes and Standards Operations shall approve on behalf of the Council, matters of procedures and personnel, and shall advise the Council on operational matters, including honors, information services, legal considerations, continuous improvement, and planning. The Board on Strategic Initiatives shall advise the Council on trends, implications, strategic issues and planning. The Board on Hearings and Appeals shall be a forum for appeals resulting from grievances related to procedural due process in codes, standards, accreditation, registration, and certification activities.

B5.4.2.3 The Boards on Standardization and Testing; Nuclear Codes and Standards; Pressure Technology Codes and Standards; Safety Codes and Standards; and Conformity Assessment shall each consist of a Vice President as Chair; one or more Vice Chairs, and a membership, as determined by the Standards and Certification Council. The Board on New Development and the Energy and Environmental Standards Advisory Board shall each consist of a Chair, a Vice Chair, and a membership, as determined by the Standards and Certification Council. The Board on Codes and Standards Operations shall consist of the Vice Chair, Operations of the Standards and Certification Council as Chair, the Chair of the Board on Hearings and Appeals as Vice Chair, and a membership, as determined by the Standards and Certification Council. The Board on Strategic Initiatives shall consist of the Vice Chair, Strategic Initiatives of the Standards and Certification Council as Chair, a Vice Chair, and a membership, as determined by the Standards and Certification Council. The Board on Hearings and Appeals shall consist of a Chair, and a membership as determined by the Standards and Certification Council.

B5.4.2.4 The Board on New Development shall report directly to the Standards and Certification Council and shall evaluate potential new opportunities, products and services, and make recommendations to the Standards and Certification Council.
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 15, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: (Sector/Unit/Task Force/Other) COR
Presented by: Larry Luna
Agenda Title: By-Law Revision B5.6, for Sunset

Agenda Item Executive Summary: (Do not exceed the space provided)

The Knowledge and Community Sector is being dissolved. These By-Law deletions were approved by the Committee on Organization and Rules on May 10, 2014.

Proposed motion for BOG Action: (if appropriate)

To sunset B5.6 Knowledge and Community Sector

Attachments:
Word document
B5.6 KNOWLEDGE AND COMMUNITY SECTOR

B5.6.1.1 The Knowledge and Community Sector, under the direction of the Board of Governors, is responsible for the activities of the Society relating to engineering communities in the promotion of the art, science, and practice of multidisciplinary engineering and allied sciences by providing member-focused products, services, technical knowledge, and networking opportunities. The Knowledge and Community Sector will maintain a current Sector Operation Guide that will contain operational details of the Knowledge and Community Sector that are not in these By-Laws.

B5.6.1.2 The Knowledge and Community Sector shall be led by a Sector Operating Board that consists of the following voting membership: a Senior Vice President as Chair; the Vice Presidents for the following Boards: Technical Communities, Global Communities, Affinity Communities, Financial Operations, and Programs and Activities, and the Chairs from the Committee on Information and Communication and the Committee on Representation and Governance. The non-voting membership of the Sector Operating Board shall include the Managing Director. The Sector Operating Board may appoint additional non-voting members.

B5.6.1.3 The incoming Senior Vice President of Knowledge and Community Sector shall be nominated by the Knowledge and Community Sector Operating Board from among past or present Vice Presidents for appointment by the Board of Governors for a term of three years. In the event that a past or present Vice President is not available, then the Sector Operating Board shall defer to the Board of Governors for the Senior Vice President selection. Vice Presidents who have been elected to a term that extends more than one year into a new term of the Senior Vice President of Knowledge and Community Sector are not eligible to become the Senior Vice President.

B5.6.2.1 The following Boards will report directly to the Knowledge and Community Sector Operating Board: Board on Technical Communities, Board on Global Communities, Board on Affinity Communities, Board on Financial Operations, and Board on Programs and Activities.
Date Submitted: May 23, 2014  
BOG Meeting Date: June 8, 2014

To: Board of Governors  
From: (Sector/Unit/Task Force/Other) COR  
Presented by: Larry Luna  
Agenda Title: Society Policy P-15.8 Conflicts of Interest Policy

Agenda Item Executive Summary: (Do not exceed the space provided)

New York State Nonprofit Revitalization Act of 2014 requests additional information to be included in the Conflicts of Interest Policy.

The Committee on Organization and Rules will be reviewing these proposed changes before the Board of Governors meeting on June 8th.

Proposed motion for BOG Action: (if appropriate)

To revise Society Policy P-15.8 as attached

Attachments:  
Society Policy P-15.8
SOCIETY POLICY

CONFLICTS OF INTEREST

I. PREFACE

A. Article C2.1.1 of the Constitution lists the following as one purpose of the Society: To 
   "[p]romote a high level of ethical practice."

B. Article C2.1.1 further provides that "[i]n all professional and business relations the 
   members of the Society shall be governed by the Code of Ethics."

C. Society Policy P-15.7 states in part, "Engineers shall act in professional matters for each 
   employer or client as faithful agents or trustees, and shall avoid conflicts of interest or the 
   appearances of conflicts of interests."

II. PURPOSE

Each individual acting for or in the name of the American Society of Mechanical Engineers ("ASME" 
or the "Society") is in a position of trust. This Society Policy is intended:

A. Each individual acting for or in the name of ASME is in a position of trust. Particularly since 
   ASME holds as paramount the safety, health, and welfare of the general public, each such 
   individual has fundamental responsibility to exercise impartial professional judgment to 
   enhance the practice of mechanical engineering in the public interest. This Society Policy is 
   intended to further assure the objectivity and public confidence in the integrity of all 
   Society deliberations and statements, by establishing guidelines and procedures concerning 
   conflicts of interest. It is acknowledged and understood that competent and knowledgeable 
   individuals of recognized abilities, qualifications and interest who participate in professional 
   activities may have potential conflicts of interest. This Society Policy establishes guidelines 
   and procedures to enable such individuals to act ethically and to uphold the integrity of 
   the Society's policies, rules, codes and standards.

B. To establish guidelines and procedures to enable individuals to act ethically and to uphold 
   the integrity of the Society's policies, rules, codes and standards.

C. To ensure that individuals act in the Society's best interest and comply with applicable legal 
   requirements.

III. POLICY APPENDIX A & APPENDIX B

A. Appendix A (Technical or Membership Matters)
Appendix A of this Society Policy applies to decisions or actions pertaining to ASME and involving Technical or Membership Matters. A matter is a “Technical or Membership Matter” if it pertains primarily to a technical issue or a membership issue and is not a Financial Matter. Generally speaking, matters coming before the following bodies within ASME are Technical or Membership Matters: the Nominating Committee, the Committee on Organization and Rules, the Committee on Governance, Council on Standards and Certification and the Committee of Past Presidents as well as any units or sub-units of the Society that normally consider Technical or Membership Matters.

B. Appendix B (Financial Matters)

Appendix B of this Society Policy applies to decisions or actions pertaining to ASME (or an ASME affiliate) and involving Financial Matters, but only if the Financial Matter is a “Covered Arrangement” as defined in Appendix B. The term “Financial Matters” means a matter involving the expenditure, augmentation, use, disposition or allocation of ASME’s resources or the resources of an ASME affiliate. A Financial Matter includes (without limitation) any recommendation, advice, decision or action concerning:

- an expenditure by ASME (e.g., payment of compensation or a reimbursement, leasing or licensing property from third parties, buying property, contracting for services, and granting a prize or award);
- an augmentation of ASME’s resources or capacity (e.g., accepting a gift or bequest of money or property, accepting the use of services, or joining forces with another organization); or
- the use, investment, disposition or allocation of ASME resources (e.g., selling ASME’s property, leasing or licensing ASME property to third parties, selecting an investment advisor or manager, and allowing third parties to use ASME property or other resources such as staff time, endorsements, logos, or other intellectual property).

If a matter involves both Financial Matters and Technical or Membership Matters, it should be handled in a manner consistent with both Appendix A and Appendix B of this Society Policy to the extent possible, and in the event of uncertainty, in a manner consistent with Appendix B.

C. INTEGRAL PART AND USE OF DEFINED TERMS

Appendix A and Appendix B are incorporated in (and therefore are an integral part of) this Society Policy. Capitalized terms used in Appendix A or Appendix B and not defined in such Appendices have the meanings set forth above.

IV. USE OF ASME NAME, SEAL, EMBLEM, INITIALS, TITLES, ETC.

The use of Society titles for those holding elected and non-elected office within the Society shall follow the guidelines stated in paragraph III.D.4 of Society Policy P-14.6, Society Name, Seal, Emblem,
V. USE OF ASME STATIONERY


VI. NOTICE, STATEMENT OF ADHERENCE, AND OVERSIGHT

A. Notice. Before taking office (including as a Governor-elect or President-elect), each member of a unit or sub-unit of the Society and each volunteer elected or appointed to represent ASME in some other capacity shall be sent by mail or as an electronic link, as appropriate, a copy of this Society Policy, Society Policy P-15.7, Ethics and Society Policy P-14.6, Society Name, Seal, Emblem, etc., and be directed to adhere to the applicable provisions of these policies as a condition of acting for or representing the Society.

B. Statement of Adherence. Before taking office (including as a Governor-elect or President-elect), unless there is in ASME's files a prior signed acceptance of Society Policy P-15.8, each member of a unit or sub-unit of the Society and each volunteer elected or appointed to represent ASME in some other capacity shall state in writing his or her commitment to adhere to the applicable provisions of this Society Policy. If this signed Statement of Adherence is not on file, the volunteer may not take office.

C. Updated Statement of Adherence. If either Policy P-14.6 or P-15.8 receives substantive revision as determined by the Board of Governors, all volunteers required to have a Statement of Adherence on file shall receive a copy of the revised Policy and shall be requested to sign an updated Statement of Adherence. Should there be any occurrence where a volunteer does not sign a new Statement of Adherence and forward it to the Society within 90 days, the Executive Director shall inform the pertinent board, committee, sector or other pertinent body that the volunteer is in violation of this provision of this Society Policy and may not continue in office or further represent ASME. When action is taken by a volunteer to comply with this Policy, that individual shall be reinstated to his or her position and allowed to represent ASME in his or her previous position.

D. Oversight. At least twice a year, the Executive Director of ASME shall submit a report to the Ethics Committee certifying that the requirements of subparagraphs (A), (B) and (if applicable) (C) have been met and shall include names of those volunteers not in compliance.

E. Employees. Notice to ASME employees and the handling of Statements of Adherence and Updated Statements of Adherence will be pursuant to ASME employment procedures determined by the Executive Director.

VII. GUIDANCE
Volunteers and employees are urged to seek prompt input from the Office of the General Counsel if they have a question about the proper application of this Society Policy, including a decision whether a matter is a Technical or Membership Matter, a Financial Matter, both, or neither.
APPENDIX A
(ASME Conflicts Policy for Technical or Membership Matters)

1. PREAMBLE (for Technical or Membership Matters)

Because ASME holds as paramount the safety, health, and welfare of the general public, each member and non-member (each, a “volunteer”) participating in decisions with respect to Technical or Membership Matters has a fundamental responsibility to exercise impartial professional judgment to enhance the Society and the practice of mechanical engineering in the public interest. Appendix A applies to volunteers when there are discussions, deliberations or voting with respect to Technical or Membership Matters, whether or not arising during the formal session of a committee or other body within ASME.

This Appendix A is in addition to, and not in lieu of, any policy or operation guide applicable to a particular ASME activity (e.g., honors and awards) or body (e.g., a Sector Board or Council or a Board within a Sector). In the event of a conflict between the terms of any such policy or operation guide and this Appendix A, the terms of this Appendix A shall govern the matter.

Each individual has the primary responsibility for assuring his or her adherence to this Appendix A as well as to Appendix A and other applicable ASME policies or operation guides that address conflicts of interest.

A. The potential for a conflict of interest exists whenever a person owes a loyalty to multiple interests or organizations. Having different interests or loyalties does not constitute a conflict of interest when the action desired by each interest is the same. This situation may be described as a community of interest.

2. DEFINITIONS (for Technical or Membership Matters)

a. A conflict of interest “Conflicts of Interest” The potential for a “conflict of interest” involving Technical or Membership Matters exists whenever a person owes a loyalty to multiple interests or organizations. Having different interests or loyalties does not constitute a conflict of interest when the action desired by each interest is the same. This situation may be described as a community of interest. A conflict of interest in Technical or Membership Matters occurs only when loyalty to one interest would impel a course of action different from that impelled by another interest. For example, while acting for or on behalf of the Society in a Technical or Membership Matter, a volunteer may be asked to consider a matter which directly affects the specific rather than the collective interests of the individual's employer or a competitor of the employer. In such instances, there could be a conflict of interest between exercise of the volunteer's independent professional judgment on behalf of ASME and the public and the individual's loyalties and responsibilities to his or her employer or another entity.

In such instances, there could be a conflict of interest between exercise of the volunteer's independent professional judgment on behalf of ASME and the public and the individual's loyalties and responsibilities to his or her employer or another entity.
b. C—"Balance of Interest." In many ASME standards-writing committees and other committees, the procedures for appointment provide for a balanced or diversified representation among the various categories of interest within the scope of that committee's concern. This "balance of interest" minimizes the instances of appearance of conflict of interest in Technical or Membership Matters by preventing situations in which a single interest group could control the action on an issue. Accordingly, where general categories of interest were considered in appointing a balanced committee or other group, an individual's identification with the particular interest shall not be grounds for raising an issue of the appearance of a conflict of interest in Technical or Membership Matters. This is particularly so because the removal of one or more individuals representing a particular category of interest on conflict of interest grounds could upset the planned balance of economical and technical interests.

3. DUTIES AND RESPONSIBILITIES (for Technical or Membership Matters)

a. It is the duty of volunteers acting for or on behalf of the Society in Technical or Membership Matters to be aware of the possibility of a conflict of interest between their responsibilities to ASME and the public on the one hand and to their employer or another entity on the other.

b. D. It is nevertheless the duty of volunteers acting for or on behalf of the Society to be aware of the possibility of a conflict of interest between their responsibilities to ASME and the public on the one hand and to their employer or another entity on the other. All volunteers have a fundamental responsibility to refrain from participating in Society decision-making on Technical or Membership Matters when a competing interest precludes or inhibits the exercise of the volunteer's independent professional judgment on behalf of ASME, or when the nature of the competing interest is such that the volunteer's continued participation would unreasonably jeopardize the integrity of the decision-making process in Technical or Membership Matters.

III. RESPONSIBILITIES

A. Individual Responsibilities

4. PROCEDURES (for Technical or Membership Matters)

a. In instances where it is clear to an individual volunteer that their judgment with respect to a matter pending before ASME Technical or Membership Matter is controlled by their loyalty to a competing interest, they should disqualify themselves and refrain from influencing and participating in the deliberations and decision-making regarding the conflict-affected matter. This does not preclude the volunteer's attendance and participation at any meeting of a committee or other body on the same basis as any non-member of the committee or other body.
b. In instances where an individual volunteer believes that there may be the appearance of a conflict of interest, as in II.C above, although they believe that their (a “possible conflict situation”) involving a Technical or Membership Matter, although he or she believes that his or her independent judgment will not be affected by a competing interest, the volunteer should nevertheless avail themselves of at least one of the following consultative courses of action:

1. If an individual is serving on a sector, board, division, committee, section, subcommittee or other decision-making body unit or sub-unit of the Society considering a Technical or Membership Matter, the individual should make certain that all concerned with the projected deliberations or decision-making on the Technical or Membership Matter clearly understand the facts and circumstances involved in this possible conflict situation. Then, following due consideration of the circumstances involved, unless a three-fourths majority concur by secret ballot that the individual’s continued participation will not unreasonably jeopardize the integrity of the decision-making process, the individual shall refrain from participation not attempt to influence, be present at or participate in deliberations not open to non-members and decision-making regarding the conflict-affected matter. Such disqualification considerations may be either referred or appealed in the first instance, to the appointing committee or supervisory body, if any, and then (if unresolved) to the conflict of interest oversight body designated by the Board of Governors pursuant to Section IV., below) by the chair of the committee, subcommittee or other body if unresolved, to the Ethics Committee. Such referral and appeals may be made by the chair of the unit or sub-unit, the individual volunteer or any other participant in the potential conflict of interest consideration, consideration of the possible conflict situation. Additionally, the member may elect to bypass the secret-ballot measure described above and take the matter directly to the appointing committee or supervisory body, if any, and then, if unresolved, to the Ethics Committee.

2. If the individual is acting for or on behalf of ASME other than in a committee or group participation capacity, or if an individual serving on a committee or group wishes to bypass the step described in Section III.A.1, the individual should bring the potential possible conflict of interest matters situation directly to the attention, in the first instance, of the appointing committee or supervisory body, if any, and then, (if unresolved) to the attention of the conflict of interest oversight body designated by the Board of Governors pursuant to Section IV., below, to the Ethics Committee.

B.—Challenges by Other Members

c. Any member of a sector, board, division, committee, section, subcommittee or other decision-making body who believes that the continued participation of any other member of that body in a Technical or Membership Matter may unreasonably jeopardize the integrity of the decision-making process may call for the consultative courses of action set forth in Sections III.A.1 and III.A.2 Paragraph 4(b)(i) or (ii) above.
5. IMPLEMENTATION AND COMPLIANCE

The Ethics Committee shall oversee the implementation of, and compliance with, this Appendix A. The Ethics Committee shall have authority to review questions of conflicts of interest under this Appendix A and to render opinions thereon. The Ethics Committee may authorize the Chair of the Ethics Committee to issue a letter of warning or admonishment to persons who violate this Appendix A or request that the Chair refer the matter to the Executive Director for processing as an ethics complaint under Society Policy P-15.4. A decision of the Ethics Committee shall be binding and final if a letter of warning or admonishment is the course of action.
APPENDIX B

(ASME Conflicts Policy for Financial Matters)

1. PREAMBLE (for Financial Matters)

Because ASME is a not-for-profit corporation formed under the laws of the State of New York, those who serve ASME have a duty to adhere to the purposes to which ASME is dedicated and to conduct the affairs of ASME in a manner consistent with those purposes and not to advance their personal financial interests when Financial Matters are under consideration. This Appendix B is intended to ensure that those who fulfill leadership roles with respect to Financial Matters act in ASME’s best interest and comply with applicable legal requirements, despite the existence of a conflict of interest. This Appendix B is designed to promote the identification, disclosure, evaluation and disposition of any real, potential or apparent conflicts of interest that might, in fact or in appearance, call into question the duty of undivided loyalty owed to ASME by its leaders.

This Appendix B is in addition to, and not in lieu of, any conflict of interest policies promulgated by the Executive Director with respect to ASME employees and is also in addition to, and not in lieu of, Appendix A and any policy or operation guide applicable to a particular ASME activity (e.g., honors and awards) or body (e.g., a Sector Board or Council or a Board within a Sector). In the event of a conflict between the terms of any policies, operation guides or Appendix A and this Appendix B, the terms of this Appendix B shall govern the matter.

Each individual has the primary responsibility for assuring his or her adherence to this Appendix B as well as to Appendix A and other applicable ASME policies or operation guides that address conflicts of interest.

2. DEFINITIONS (for Financial Matters)

a. The term “Authorized Body” means any one of the following: (a) the ASME Board of Governors, (b) the Audit Committee, or (c) a Committee of the Board having delegated authority with respect to a given sphere of activity. If no Committee of the Board has delegated authority with respect to a given sphere of activity, the term “Authorized Body” means the ASME Board of Governors or the Audit Committee.

b. The term “Committee Member” means each member of the following bodies: the Committee on Finance and Investment, the Committee on Executive Director Evaluation and Staff Compensation, the Audit Committee, and any committee, task force, or similar body appointed or designated by the Board of Governors or the President.

c. The term “Committee of the Board” is a committee appointed by the Board of Governors and whose voting membership consists of at least three individuals, all of whom are members of the Board of Governors. At the time of adoption of this Society Policy, the
only committees that are Committees of the Board are the Audit Committee and the Committee on Governance. Because the Committee on Finance and Investment and the Executive Director Evaluation and Staff Compensation Committee include members who are not members of the Board of Governors, they are not Committees of the Board.

d. The term “Covered Arrangement” means each proposed transaction, agreement or other arrangement (including any grant, scholarship or compensation arrangement) in which:

i. (A) one or more Related Parties (defined below) would have a financial interest and (B) the Society or any affiliate of the Society (including without limitation the ASME Foundation) would be a participant; or

ii. there could be an actual or perceived conflict of interest for some other reason, including any transaction, agreement or other arrangement in which the interests of a Related Party could be seen as competing with the interests of the Society or any affiliate of the Society.

All Covered Arrangements are circumstances that constitute a perceived, potential or actual conflict of interest and as such are subject to the terms of this Appendix B. If a Covered Arrangement involves an affiliate of the Society, it is an “Affiliate Covered Arrangement.”

e. The term “Governor” means each member of the Board of Governors in office from time to time, as well as each Governor-elect.

f. The term “Key Employee” means each person who is in a position to exercise substantial influence over the affairs of the Society within the meaning of Section 4958(f)(1)(A) of the Internal Revenue Code and Section 53.4958-3(c), (d) and (e) of the Treasury Regulations or analogous provisions. The group of Society employees who are deemed to be Key Employees includes (but is not necessarily limited to) employees designated from time to time by the Executive Director, in consultation with the Treasurer.

g. The term “Officer” means each volunteer officer of the Society holding office from time to time and holding the rank of Vice President, Senior Vice President, President, Immediate Past President or President-elect.

h. The term “Related Parties” means:

i. The Governors, Officers, Committee Members and Key Employees of the Society.

ii. The following living relatives of each individual described in subparagraph (i):

(A) his or her ancestors
(B) his or her spouse or domestic partner
(C) his or her siblings and half-siblings
(D) the spouses of his or her siblings and half-siblings
iii. The following entities and trusts:
   (A) any entity or trust of which any individual described in subparagraph (i) or (ii) serves as a director, trustee, officer or employee.
   (B) any entity or trust in which any one or more individuals described in subparagraph (i) or (ii) have a 5% or greater ownership or beneficial interest.

3. PROCEDURES (for Financial Matters)

a. Individual Responsibilities

i. Disclosure. If a Governor, Officer, Committee Member or Key Employee of ASME
   has a direct interest in a Covered Arrangement, or an indirect interest through a
   person who is a Related Party with respect to him or her, he or she must
   immediately disclose in writing the existence and circumstances of the arrangement
   (including the material facts concerning his or her interest) to an Authorized Body.

ii. Refraining from Influence. The individual must refrain from attempting to
   influence the deliberation or voting on the Covered Arrangement.

iii. Deliberations and Voting. The individual may not participate in or attend the
   deliberations or vote on the Covered Arrangement. However, at the request of
   the Authorized Body, the individual may present background information or
   answer questions on the Covered Arrangement. The conflict does not preclude the
   individual’s attendance at and participation in the rest of the meeting of the
   Authorized Body.

iv. Affiliate Covered Arrangements. If the Covered Arrangement is also an Affiliate
   Covered Arrangement, the disclosure required by Paragraph 3(a)(i) shall be made
   only to the Audit Committee of the Society and the Audit Committee of the
   affiliate (or, if the affiliate does not have an Audit Committee, to the governing
   body of the affiliate). The Audit Committee of the Society must confirm that the
   steps required in this Paragraph 3(a) have been and are being taken, and no
   further action by the Society shall be required pursuant to this Appendix B except
   as the Audit Committee shall determine in the specific instance following
   consultation with the Audit Committee of the affiliate.

1 Adoptive children, grandchildren, and great-grandchildren are included within this definition.
b. Society Responsibilities

IV. IMPLEMENTATION

I. Authorized Body Tasked with Filling These Responsibilities. An individual’s disclosure with respect to a Covered Arrangement pursuant to Paragraph 3(a) triggers the Society’s responsibilities under this Paragraph 3(b) (unless it is an Affiliated Covered Arrangement, in which event the Audit Committee will determine which, if any, responsibilities under this Paragraph (b) will apply or if some other course of action is warranted). However, the Authorized Body receiving the disclosure may request that another Authorized Body perform the Society’s responsibilities under this Paragraph 3(b), in which event references below are to that Authorized Body if it undertakes the responsibilities. For example, if disclosure is made to the Audit Committee, the Audit Committee may request that the Board of Governors fulfill the remaining responsibilities under this Paragraph 3(b).

Individuals participating as volunteers in ASME activities have the primary responsibility for assuring their adherence to this Society Policy. Nonetheless, given the sensitive nature of these considerations and the interest of the Society in preserving the integrity of its reputation and processes, ASME retains responsibility for oversight in this area. Accordingly, the Board of Governors hereby assigns oversight responsibility for this Society Policy to the ASME Ethics Committee. The Ethics Committee shall have authority to review questions of conflicts of interest and to render opinions thereon. The Ethics Committee may authorize the Chair of the Ethics Committee to issue a letter of warning or admonishment to persons who violate this policy or request that the Chair refer the matter to the Executive Director for processing as an ethics complaint under policy P-15.1. A decision of the Ethics Committee shall be binding and final if a letter of warning or admonishment is the course of action.

II. Confirmation of Individual Actions. The Authorized Body must confirm that the steps required in Paragraph 3(a) have been and are being taken.

V. ASME Staff

II. Fairness and Reasonableness. Before approving a Covered Arrangement, the Authorized Body must determine that it is fair, reasonable and in the Society’s best interest at the time of such determination.

The provisions of this Society Policy are applicable to the ASME staff, as well as to the members of sectors, boards, divisions committees, sections, subcommittees, other decision-making bodies and individuals acting for or on behalf of ASME, as set forth above.

IV. Comparability Data. Prior to entering into the Covered Arrangement, the Authorized Body must obtain and rely on comparable market data, to the extent available.

VI. USE OF ASME TITLES

V. Alternative Transactions. Prior to entering into the Covered Arrangement, if a related party has a “substantial financial interest” in it within the meaning of New
York law, the Authorized Body must consider alternative transactions, agreements or arrangements, to the extent possible.

The use of ASME Society titles for members holding elected and non-elected office shall follow the guidelines stated in paragraph III.D.4 of Society Policy P.14.6, Name, Seal, Emblem, Initials, Titles, Identification and Certificates. Violations of these guidelines shall be considered under violations of the Code of Ethics. (See Society Policy P.15.7, Ethics.)

vi. Materiality to ASME. The Authorized Body must determine whether the arrangement is material to the financial, reputational or other interests of the Society, in which event consideration must be given to alternative transactions, agreements or arrangements, to the extent possible. If an Authorized Body other than the Board of Governors makes a determination that the arrangement is material, it (A) must promptly notify the Board of Governors of this determination and (B) may condition its approval, if any, of the arrangement on the further review, approval, endorsement or other input of the Board of Governors.

VII. USE OF ASME STATIONERY

vii. Voting. All determinations and approvals with respect to a Covered Arrangement require the affirmative vote of not less than a majority of the members of the Authorized Body present at the meeting of the Authorized Body (provided a quorum is present and no greater portion is required by applicable law or Society requirement). Interested members of the Board of Governors may be counted solely for determining the presence of a quorum. Notwithstanding the foregoing, the salary of the Executive Director may be set only by the affirmative vote of a majority of the entire Board of Governors.


viii. Contemporaneous Documentation. All disclosures and recusals with respect to a Covered Arrangement together with the basis for all determinations and approvals of the Authorized Body must be contemporaneously documented in writing (including in the minutes of any meeting at which the arrangement was discussed and voted on). This documentation must include an account of the consideration of comparable market data and alternative transactions, agreements or arrangements, to the extent considered or available.

VIII. NOTICE

ix. Reporting to the Board or Audit Committee. If the arrangement is before an Authorized Body other than the Board of Governors or Audit Committee, the existence of the matter and its disposition must be promptly disclosed to the Board of Governors and Audit Committee.

Each time an individual is elected or appointed to a position, or appointed to represent ASME in any capacity, including all members of ASME standards writing committees, the individual shall at the time of election or appointment be sent a copy of this Society Policy and Society Policy P.15.7,
Implement the policies consistent with the ASME Code of Ethics and P.14.6, Society Name, Seal, Emblem, etc., and should be advised to adhere to the provisions of these policies as a condition of acting for or representing the Society.

4. **ANNUAL COMPLIANCE AND DISCLOSURE STATEMENT**  

**IX. ACCEPTANCE**  

At least once per year, each Governor, Officer, Committee Member and Key Employee must complete, sign and submit to the Secretary a written Compliance and Disclosure Statement acknowledging that he or she has read and is in compliance with this Policy and identifying to the best of his or her knowledge:

Before taking office, unless there is in ASME’s files a prior signed acceptance of Society Policy P.15.8, each member of a sector, board, division, committee, district, section, subcommittee, or other decision-making body, as designated by each sector, and each individual elected or appointed to act for or on behalf of ASME shall state in writing adherence to the conditions of this Society Policy. If this signed Statement is not on file, the member may not take office.

a. any business or nonprofit of which the individual is an officer, director, trustee, member, owner or employee and with which the Society or any affiliate of the Society has a relationship;

b. any transaction in which the Society or any affiliate of the Society is a participant and in which the individual or Related Party with respect to that individual might have a conflicting interest;

c. any other interests that could give rise to conflicts of interest.

Prior to the initial election or appointment of any Governor, he or she must supplement his or her Statement of Adherence (referenced above) with the disclosure described in Paragraphs 4(a), (b) and (c).

Additionally, an Annual Disclosure regarding Conflicts of Interest shall be submitted by voting members of the Board of Governors, the Executive Director, Treasurer, Assistant Treasurer, Secretary, Assistant Secretary, and key employees (as defined by the Internal Revenue Service). In addition, the Executive Director, in consultation with the Board of Governors, shall identify those levels of ASME employees who are also subject to the requirement to provide the Compliance and Disclosure Statement described above and shall require each employee at those levels to complete, sign and submit a Compliance and Disclosure Statement to the Secretary on an annual basis as described above.

The Secretary shall provide a copy of all completed Compliance and Disclosure Statements to the Chair of the Audit Committee and shall periodically update the Chair of the Audit Committee concerning compliance with the annual disclosure statement requirements of this Society Policy. Completed disclosure statements shall be available for inspection by any member of the Board of Governors and may be reviewed by the Society’s legal counsel.

5. **IMPLEMENTATION AND COMPLIANCE**
Note that when either Policy P-14.6 or P-15.8 receives substantive revision as determined by the Board of Governors, all persons required to have a Conflict of Interest Statement on file shall receive a copy of the revised Policy and shall be requested to sign a new Conflict of Interest Statement. The Audit Committee shall oversee the implementation of, and compliance with this Appendix B.

X. OVERSIGHT

Responsibility: Ethics Committee (Appendix A)

At least twice a year, the Executive Director of ASME shall submit a report to the Ethics Committee certifying that the requirements of Section VIII, Notice, and Section IX, Acceptance, have been met, and shall include names of those not in compliance. Audit Committee (Appendix B)

Should there be any occurrence where a member does not re-sign a Conflict of Interest Statement and forward it to the Society within 90 days, the Executive Director shall inform the pertinent board, committee, sector or other body requiring the execution of a Conflict of Interest Statement that the member is in violation of Section IX of Policy P-15.8 and may not continue in office or further represent ASME.

When action is taken by a member to comply with this Policy, that individual will be reinstated to their position and allowed to represent ASME in their previous position.

Reassigned from Ethics Committee

Responsibility: Reassigned from Committee of Past Presidents/Ethics Committee

Reassigned from Centers Board of Directors/Center for Career and Professional Advancement/Committee on Ethical Standards and Review

Reassigned from Centers Board of Directors/Center for Professional Development, Practice and Ethics/Committee on Ethical Standards and Review 4/23/09

Reaffirmed from Council on Member Affairs/Board on Professional Practice & Ethics 6/1/05

Adopted: June 23, 1976
Revised: November 18, 1982
(editorial changes 2/83)
June 14, 1985
(editorial changes 11/85)
(editorial changes 9/86)
June 11, 1987
(editorial changes 3/88)
(editorial changes 7/88)
(editorial changes 11/88)
September 11, 1994
March 15, 1996
November 21, 1996
(editorial changes 3/97)
(editorial changes 6/04)
(editorial changes 6/1/05)
(editorial change in responsible unit 4/09)
September 14, 2009
(Unit Realignment Due to Reorganization 2/12)
June____, 2014
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 15, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: (Sector/Unit/Task Force/Other) COR
Presented by: Larry Luna
Agenda Title: Society Policy P-15.12 Whistleblower Policy

Agenda Item Executive Summary: (Do not exceed the space provided)

New Society Policy P-15.12 is being proposed. Under the Nonprofit Revitalization Act of 2014, the Audit Committee would have responsibility over the Whistleblower policy.

The Committee on Organization and Rules reviewed and approved the changes at their May 10, 2014 meeting.

Proposed motion for BOG Action: (if appropriate)

To adopt Society Policy P-15.12

Attachments:
Word document
SOCIETY POLICY

WHISTLEBLOWER POLICY

I. PREFACE

A. Article C2.1.1 of the Constitution lists, among others, the following purpose of the Society “Promote a high level of ethical practice.”

B. By-Law B3.3.1 states, “Any member who has been found guilty of a charge of violating the Constitution, By-Laws or Code of Ethics of the Society, may be expelled by the affirmative vote of seven members of the Board of Governors after being given the opportunity to be heard.”

C. By-Law B4.1.5 states in part, “Any Officer of the Society or member of any sector, board, committee, or other unit of the Society appointed or elected by the Board of Governors or by any unit of the Society may be removed or suspended from such office or membership by the Board of Governors for cause.”

D. New York State Not-For-Profit Corporation Law states in part that the whistleblower policy of an organization such as ASME that is required to have one “shall provide that no director, officer, employee or volunteer of a corporation who in good faith reports any action or suspected action taken by or within the corporation is illegal, fraudulent or in violation of any adopted policy of the corporation shall suffer intimidation, harassment, discrimination or other retaliation.”

II. PURPOSE

The Society requires members of the Board of Governors (including Governors-elect); officers (including the President-elect); employees; and those volunteers who serve as members of any sector, board, committee, or other unit of the Society appointed or elected by the Board of Governors or by any unit of the Society or who otherwise provide substantial volunteer service to the Society (hereinafter, “Covered Volunteers”) to observe high standards of business and personal ethics in the conduct of their duties and responsibilities. This Whistleblower Policy seeks to provide a means for individuals to raise good-faith concerns about behavior that appears to them to be illegal, dishonest, or unethical regardless of identity of the suspected offender.

This Policy is not a vehicle for reporting violations of ASME’s applicable human resources policies, problems with co-workers or managers, or issues related to alleged employment discrimination or sexual or any other form of prohibited discrimination or harassment, all of which should be dealt with in accordance with applicable ASME procedures (as outlined in the ASME Employee Handbook and Supervisors’ Manual) and Society Policy 15.9, Policy Against Discrimination (Including Discriminatory Harassment) – Members.
The matters that should be reported under this Policy include suspected fraud, theft, embezzlement, accounting or auditing irregularities, bribery, kickbacks, misuse of ASME’s assets or suspected regulatory, compliance, or ethics-related issues, concerns or violations.

III. NO RETALIATION

This Policy is intended to encourage and enable members of the Board of Governors, officers, employees, and Covered Volunteers to raise concerns within the Society for investigation and appropriate action. With this goal in mind, no Governor, officer, employee or Covered Volunteer who, in good faith, reports any action or suspected action taken by or within the Society that is illegal, fraudulent, or in violation of any adopted policy of the Society shall suffer intimidation, harassment, discrimination or other retaliation or, in the case of employees, adverse employment consequences. Moreover, a Governor, officer, employee, or Covered Volunteer who retaliates against someone who has reported a concern in good faith is subject to appropriate disciplinary action.

This Policy does not create a promise or contract by the Society, and it may be amended at any time without prior notification. Employment at the Society is at will and nothing in this Policy should be interpreted in any way limiting the at-will relationship.

IV. PROCEDURE FOR REPORTING VIOLATIONS

A. Each Governor, officer, employee, and Covered Volunteer of the Society has an obligation to report in accordance with this Policy concerns about conduct involving the Society’s financial or business affairs that is illegal, fraudulent, or in violation of an adopted Society policy.

B. Concerns may be communicated orally or in writing. They may also be communicated in person or anonymously. Individuals are encouraged to provide as much information as possible to permit a thorough and complete investigation of the concern.

C. Employee Procedures

1) Any employee with knowledge or concern about illegal or dishonest financial misconduct is encouraged to communicate such concern, either verbally or in writing, to the Compliance Officer. If the person raising the concern is not comfortable reporting to the Compliance Officer, he or she may communicate the concern to the Deputy Executive Director or anyone in management with whom the employee is comfortable.

2) Any person who has information or receives an oral or written communication regarding illegal or dishonest financial misconduct by an employee must promptly inform the Compliance Officer, unless the Compliance Officer has already received it. In the case of a written communication, a copy of the communication should also be provided to the Compliance Officer.
3) All reports concerning employees will be promptly investigated by, or under the direction of the Compliance Officer, unless the Compliance Officer believes, after consultation with outside advisors including legal counsel, as applicable, that the report was not made in good faith, or unless the report was made anonymously and does not contain sufficient information to conduct an investigation.

4) The Compliance Officer may utilize the assistance of legal counsel, private investigators, accountants, consultants, or any other resource deemed necessary to perform a full and complete investigation of any report.

5) Upon receipt of a complaint under this Policy, the Compliance Officer must advise the Executive Director. If the complaint concerns the Executive Director then the complaint will be reported to the Deputy Executive Director.

6) After the investigation is complete, the Compliance Officer will report to the Audit Committee of the Board of Governors regarding the investigation, the Compliance Officer’s findings, and any action taken or proposed. The Audit Committee will ensure that there is an appropriate resolution of any complaints. Appropriate corrective action will be recommended to the Board, if warranted by the investigation.

7) The Compliance Officer will report at least annually to the Board on compliance activity.

D. Governor, Officer and Covered Volunteer Procedures

1) Any Governor, officer or Covered Volunteer with knowledge or concern about illegal or dishonest financial misconduct by another Governor, officer or Covered Volunteer is encouraged to communicate such concern, either verbally or in writing, to the Chair of the Audit Committee. If the person raising the concern is not comfortable reporting to the Chair of the Audit Committee, he or she may communicate the concern to the President.

2) Any person who has information or who receives an oral or written communication regarding illegal or dishonest financial misconduct by a Governor, officer or Covered Volunteer must promptly inform the President or the Chair of the Audit Committee, unless the President or the Chair of the Audit Committee has already received it. If the President receives the oral or written communication, he or she will report it to the Chair of the Audit Committee. In the case of a written communication, a copy of the communication should also be provided to the President or the Chair of the Audit Committee.

3) All reports concerning Governors, officers, or Covered Volunteers will be promptly investigated by, or under the direction of, the Audit Committee, unless the Chair of the Audit Committee believes, after consultation with outside
advisors including legal counsel, as applicable, that the report was not made in good faith, or unless the report was made anonymously and does not contain sufficient information to conduct an investigation.

4) The Audit Committee may utilize the assistance of legal counsel, private investigators, accountants, consultants, or any other resource deemed necessary to perform a full and complete investigation of any report.

5) Upon receipt of a complaint under this policy, the Chair of the Audit Committee must advise the Executive Director. If the complaint concerns the Executive Director, then the complaint will be reported to the Deputy Executive Director.

6) After the investigation is complete, the Audit Committee will receive a report of the investigation, the findings of the investigation, and any action taken or proposed. The Audit Committee will ensure that there is an appropriate resolution of any complaints. Appropriate corrective action will be recommended to the Board of Governors of the Society, if warranted by the investigation.

7) The Chair of the Audit Committee will report at least annually to the Board of Governors on compliance activity.

V. Confidentiality

Reports of concerns, and investigation pertaining thereto, shall be kept confidential to the extent possible and practicable, in light of the need to conduct a thorough investigation. However, in all cases the Society will use its best efforts to act with discretion.

VI. Good Faith

Anyone reporting a concern must act in good faith and have reasonable grounds for believing the information reported indicates a violation of the law, or constitutes an inappropriate accounting or financial practice. The act of making allegations that prove to be unsubstantiated, and that prove to have been made maliciously, recklessly, or with the foreknowledge that the allegations are false, will be viewed as a serious disciplinary offense and may result in discipline, up to and including dismissal from the volunteer position, or suspension or expulsion from ASME.

VII. Policy Administration and Distribution

The President of the Society is hereby designated to administer this Policy under the oversight of the Audit Committee. This Policy must be distributed to all members of the Board of Governors, officers, employees and Covered Volunteers of the Society, in addition to being available on the Society’s website.
VIII. Contact Information

Compliance Officer:
Laurel Raso
rasol@asme.org
(212) 591-7212

Deputy Executive Director:
June Ling
lingj@asme.org
(212) 591-8570

Chair of the Audit Committee:
John Elter
jfelter@aol.com
(518) 316-0009

Responsibility: Audit Committee

Adopted:
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: 5/23/14
BOG Meeting Date: 6/8/14

To: Board of Governors
From: EDESC
Presented by: Laurel Raso
Agenda Title: Defined Benefit Pension Plan Amendment

Agenda Item Executive Summary: (Do not exceed the space provided)

The American Society of Mechanical Engineers Pension Plan (the “Plan”) was previously amended several years ago to reflect the provisions of a new section 436 added to the Internal Revenue Code (the “Code”) regarding limitations on the accrual and payment of benefits under certain circumstances if a defined benefit plan becomes underfunded.

Subsequent to that amendment, the Internal Revenue Service published, sample plan amendments to address Code Section 436 and indicated that a plan sponsor that timely adopts the sample amendment has reliance that its plan satisfies the requirements of Code Section 436.

The amendment satisfies these requirements, if the amendment is adopted by June 30, 2014.

This is just a formal clarification of what was previously adopted as an amendment to the plan.

Proposed motion for BOG Action: (if appropriate)

Approval of the Amendment

Attachments:
NARRATIVE AND RESOLUTIONS OF THE BOARD OF GOVERNORS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

Narrative

The American Society of Mechanical Engineers Pension Plan (the “Plan”) was previously amended several years ago to reflect the provisions of a new section 436 added to the Internal Revenue Code (the “Code”) regarding limitations on the accrual and payment of benefits under certain underfunded defined benefit plans. Subsequent to that amendment, the Internal Revenue Service published, in its Notice 2011-96, sample plan amendments to address Code Section 436 and indicated that a plan sponsor that timely adopts the sample amendment has reliance that its plan satisfies the requirements of Code Section 436. For the Plan, pursuant to IRS Notice 2012-70, the sample amendment must be adopted by June 30, 2014.

Thus, it has been determined that it would be beneficial to amend the Plan to reflect the IRS’s sample amendment.

Resolution

WHEREAS, The American Society of Mechanical Engineers (“ASME”) maintains The American Society of Mechanical Engineers Pension Plan, as amended and restated effective July 1, 2009 (the “Plan”); and

WHEREAS, Section 10.1(a) of the Plan provides that the Board of Governors may amend the Plan; and

WHEREAS, the Board of Governors desires to amend the Plan on or before June 30, 2014 to reflect the IRS’s sample amendment pertaining to Section 436 of the Internal Revenue Code.

NOW, THEREFORE, BE IT:

RESOLVED, that the Plan is amended in the form attached hereto as Exhibit A, effective as set forth therein; and be it further

RESOLVED, that the appropriate officers of ASME are hereby authorized to execute such documents (including the Amendment of the Plan attached hereto as Exhibit A) and take any and all other actions as they deem necessary or advisable to carry out the purpose of the foregoing resolution.
AMENDMENT
TO THE
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PENSION PLAN (THE
“PLAN”)  

The Plan is hereby amended as follows effective as of July 1, 2008:

1. Section 4.8 of the Plan is hereby amended in its entirety to provide as follows:
   “Notwithstanding any other provision of the Plan to the contrary, a Member’s benefit
   accruals shall be limited in accordance with Section 13.7 of the Plan or to the extent
   required by Code Section 436.”

2. Section 6.2(d) of the Plan is hereby amended in its entirety to provide as follows:
   “Notwithstanding anything herein to the contrary, the Options set forth in Section 6.1
   shall not be available to the extent prohibited pursuant to Section 13.7 or Code
   Section 436.”

3. Section 6.4 of the Plan is hereby deleted in its entirety.

4. Section 10.1(b)(iv) of the Plan is hereby deleted in its entirety.

5. Section 13.7 of the Plan is hereby amended in its entirety to provide as follows:
   “13.7 Limitations Applicable If the Plan’s Adjusted Funding Target Attainment
   Percentage Is Less Than 80 Percent or If the Company Is In Bankruptcy

   (a) Limitations Applicable If the Plan’s Adjusted Funding Target Attainment
   Percentage Is Less Than 80 Percent, But Not Less Than 60 Percent.
   Notwithstanding any other provisions of the Plan, if the Plan’s adjusted
   funding target attainment percentage for a Plan Year is less than 80
   percent (or would be less than 80 percent to the extent described in
   Section 13.7(a)(ii) below) but is not less than 60 percent, then the
   limitations set forth in this Section 13.7(a) apply.

   i. 50 Percent Limitation on Single Sum Payments, Other Accelerated
       Forms of Distribution, and Other Prohibited Payments. A Member
       or Beneficiary is not permitted to elect, and the Plan shall not pay,
       a single sum payment or other optional form of benefit that
       includes a prohibited payment with an annuity starting date on or
       after the applicable section 436 measurement date, and the Plan
       shall not make any payment for the purchase of an irrevocable
       commitment from an insurer to pay benefits or any other payment
       or transfer that is a prohibited payment, unless the present value of


the portion of the benefit that is being paid in a prohibited payment does not exceed the lesser of:

A. 50 percent of the present value of the benefit payable in the optional form of benefit that includes the prohibited payment; or

B. 100 percent of the PBGC maximum benefit guarantee amount (as defined in § 1.436-1(d)(3)(iii)(C) of the Treasury Regulations).

The limitation set forth in this Section 13.7(a)(i) does not apply to any payment of a benefit which under § 411(a)(11) of the Code may be immediately distributed without the consent of the Member. If an optional form of benefit that is otherwise available under the terms of the Plan is not available to a Member or Beneficiary as of the annuity starting date because of the application of the requirements of this Section 13.7(a)(i), the Member or Beneficiary is permitted to elect to bifurcate the benefit into unrestricted and restricted portions (as described in § 1.436-1(d)(3)(iii)(D) of the Treasury Regulations). The Member or Beneficiary may also elect any other optional form of benefit otherwise available under the Plan at that annuity starting date that would satisfy the 50 percent/PBGC maximum benefit guarantee amount limitation described in this Section 13.7(a)(i), or may elect to defer the benefit in accordance with any general right to defer commencement of benefits under the Plan.

ii. Plan Amendments Increasing Liability for Benefits. No amendment to the Plan that has the effect of increasing liabilities of the Plan by reason of increases in benefits, establishment of new benefits, changing the rate of benefit accrual, or changing the rate at which benefits become nonforfeitable shall take effect in a Plan Year if the adjusted funding target attainment percentage for the Plan Year is:

A. Less than 80 percent; or

B. 80 percent or more, but would be less than 80 percent if the benefits attributable to the amendment were taken into account in determining the adjusted funding target attainment percentage.

The limitation set forth in this Section 13.7(a)(ii) does not apply to any amendment to the Plan that provides a benefit increase under a Plan formula that is not based on compensation, provided that the
rate of such increase does not exceed the contemporaneous rate of increase in the average wages of participants covered by the amendment.

(b) Limitations Applicable If the Plan’s Adjusted Funding Target Attainment Percentage Is Less Than 60 Percent. Notwithstanding any other provisions of the Plan, if the Plan’s adjusted funding target attainment percentage for a Plan Year is less than 60 percent (or would be less than 60 percent to the extent described in Section 13.7(b)(ii) below), then the limitations in this Section 13.7(b) apply.

i. Single Sums, Other Accelerated Forms of Distribution, and Other Prohibited Payments Not Permitted. A Member or Beneficiary is not permitted to elect, and the Plan shall not pay, a single sum payment or other optional form of benefit that includes a prohibited payment with an annuity starting date on or after the applicable section 436 measurement date, and the Plan shall not make any payment for the purchase of an irrevocable commitment from an insurer to pay benefits or any other payment or transfer that is a prohibited payment. The limitation set forth in this Section 13.7(b)(i) does not apply to any payment of a benefit which under § 411(a)(11) of the Code may be immediately distributed without the consent of the Member.

ii. Shutdown Benefits and Other Unpredictable Contingent Event Benefits Not Permitted to Be Paid. An unpredictable contingent event benefit with respect to an unpredictable contingent event occurring during a Plan Year shall not be paid if the adjusted funding target attainment percentage for the Plan Year is:

A. Less than 60 percent; or

B. 60 percent or more, but would be less than 60 percent if the adjusted funding target attainment percentage were redetermined applying an actuarial assumption that the likelihood of occurrence of the unpredictable contingent event during the Plan Year is 100 percent.

iii. Benefit Accruals Frozen. Benefit accruals under the Plan shall cease as of the applicable section 436 measurement date. In addition, if the Plan is required to cease benefit accruals under this Section 13.7(b)(iii), then the Plan is not permitted to be amended in a manner that would increase the liabilities of the Plan by reason of an increase in benefits or establishment of new benefits.
(c) **Limitations Applicable If the Company Is In Bankruptcy.** Notwithstanding any other provisions of the Plan, a Member or Beneficiary is not permitted to elect, and the Plan shall not pay, a single sum payment or other optional form of benefit that includes a prohibited payment with an annuity starting date that occurs during any period in which the Company is a debtor in a case under title 11, United States Code, or similar Federal or State law, except for payments made within a Plan Year with an annuity starting date that occurs on or after the date on which the Plan’s enrolled actuary certifies that the Plan’s adjusted funding target attainment percentage for that Plan Year is not less than 100 percent. In addition, during such period in which the Company is a debtor, the Plan shall not make any payment for the purchase of an irrevocable commitment from an insurer to pay benefits or any other payment or transfer that is a prohibited payment, except for payments that occur on a date within a Plan Year that is on or after the date on which the Plan’s enrolled actuary certifies that the Plan’s adjusted funding target attainment percentage for that Plan Year is not less than 100 percent. The limitation set forth in this Section 13.7(c) does not apply to any payment of a benefit which under § 411(a)(11) of the Code may be immediately distributed without the consent of the Member.

(d) **Provisions Applicable After Limitations Cease to Apply.**

i. **Resumption of Prohibited Payments.** If a limitation on prohibited payments under Section 13.7(a)(i), Section 13.7(b)(i), or Section 13.7(c) applied to the Plan as of a section 436 measurement date, but that limit no longer applies to the Plan as of a later section 436 measurement date, then that limitation does not apply to benefits with annuity starting dates that are on or after that later section 436 measurement date.

ii. **Resumption of Benefit Accruals.** If a limitation on benefit accruals under Section 13.7(b)(iii) applied to the Plan as of a section 436 measurement date, but that limitation no longer applies to the Plan as of a later section 436 measurement date, then benefit accruals shall resume prospectively and that limitation does not apply to benefit accruals that are based on service on or after that later section 436 measurement date, except as otherwise provided under the Plan. The Plan shall comply with the rules relating to partial years of participation and the prohibition on double proration under Department of Labor regulation 29 CFR § 2530.204-2(c) and (d).

iii. **Shutdown and Other Unpredictable Contingent Event Benefits.** If an unpredictable contingent event benefit with respect to an unpredictable contingent event that occurs during the Plan Year is not permitted to be paid after the occurrence of the event because
of the limitation of Section 13.7(b)(ii), but is permitted to be paid later in the same Plan Year (as a result of additional contributions or pursuant to the enrolled actuary’s certification of the adjusted funding target attainment percentage for the Plan Year that meets the requirements of § 1.436-1(g)(5)(ii)(B) of the Treasury Regulations), then that unpredictable contingent event benefit shall be paid, retroactive to the period that benefit would have been payable under the terms of the Plan (determined without regard to Section 13.7(b)(ii)). If the unpredictable contingent event benefit does not become payable during the Plan Year in accordance with the preceding sentence, then the Plan is treated as if it does not provide for that benefit.

iv. Treatment of Plan Amendments That Do Not Take Effect. If a Plan amendment does not take effect as of the effective date of the amendment because of the limitation of Section 13.7(a)(ii) or Section 13.7(b)(iii), but is permitted to take effect later in the same Plan Year (as a result of additional contributions or pursuant to the enrolled actuary’s certification of the adjusted funding target attainment percentage for the Plan Year that meets the requirements of § 1.436-1(g)(5)(ii)(C) of the Treasury Regulations), then the Plan amendment must automatically take effect as of the first day of the Plan Year (or, if later, the original effective date of the amendment). If the Plan amendment cannot take effect during the same Plan Year, then it shall be treated as if it were never adopted, unless the Plan amendment provides otherwise.

(e) Notice Requirement. The Committee shall provide such written notice to Members and Beneficiaries (to the extent required by law) within 30 days after certain specified dates if the Plan has become subject to a limitation described in Section 13.7(a)(i), Section 13.7(b) or Section 13.7(c), as is required by Section 101(j) of ERISA.

(f) Methods to Avoid or Terminate Benefit Limitations. The Employer may utilize one or more of the methods to avoid or terminate the application of the limitations set forth in Sections 13.7(a) through 13.7(c) for a Plan Year as are permitted by Sections 436(b)(2), (c)(2), (e)(2), and (f) of the Code and § 1.436-1(f) of the Treasury Regulations. In general, the methods the Employer may use to avoid or terminate one or more of the benefit limitations under Sections 13.7(a) through 13.7(c) for a Plan Year include employer contributions and elections to increase the amount of Plan assets which are taken into account in determining the adjusted funding target attainment percentage, making an employer contribution that is specifically designated as a current year contribution that is made to avoid
or terminate application of certain of the benefit limitations, or providing security to the Plan.

(g) **Special Rules.**

i. **Rules of Operation for Periods Prior to and After Certification of Plan’s Adjusted Funding Target Attainment Percentage.**

   (A) **In General.** Section 436(h) of the Code and § 1.436-1(h) of the Treasury Regulations set forth a series of presumptions that apply (1) before the Plan’s enrolled actuary issues a certification of the Plan’s adjusted funding target attainment percentage for the Plan Year and (2) if the Plan’s enrolled actuary does not issue a certification of the Plan’s adjusted funding target attainment percentage for the Plan Year before the first day of the 10th month of the Plan Year (or if the Plan’s enrolled actuary issues a range certification for the Plan year pursuant to § 1.436-1(h)(4)(ii) of the Treasury Regulations but does not issue a certification of the specific adjusted funding target attainment percentage for the Plan by the last day of the Plan Year). For any period during which a presumption under § 436(h) of the Code and § 1.436-1(h) of the Treasury Regulations applies to the Plan, the limitations under Sections 13.7(a) through 13.7(c) are applied to the Plan as if the adjusted funding target attainment percentage for the Plan Year were the presumed adjusted funding target attainment percentage determined under the rules of § 436(h) of the Code and § 1.436-1(h)(1), (2), or (3) of the Treasury Regulations. These presumptions are set forth in Section 13.7(g)(i)(B) through (D).

   (B) **Presumption of Continued Underfunding Beginning First Day of Plan Year.** If a limitation under Sections 13.7(a), 13.7(b) or 13.7(c) applied to the Plan on the last day of the preceding Plan Year, then, commencing on the first day of the current Plan Year and continuing until the Plan’s enrolled actuary issues a certification of the adjusted funding target attainment percentage for the Plan for the current Plan Year, or, if earlier, the date Section 13.7(g)(i)(C) or 13.7(g)(i)(D) applies to the Plan:

   I. The adjusted funding target attainment percentage of the Plan for the current Plan Year is presumed to be the adjusted funding target attainment percentage...
in effect on the last day of the preceding Plan Year; and

II. The first day of the current Plan Year is a section 436 measurement date.

(C) Presumption of Underfunding Beginning First Day of 4th Month. If the Plan’s enrolled actuary has not issued a certification of the adjusted funding target attainment percentage for the Plan Year before the first day of the 4th month of the Plan Year and the Plan’s adjusted funding target attainment percentage for the preceding Plan Year was either at least 60 percent but less than 70 percent or at least 80 percent but less than 90 percent, or is described in § 1.436-1(h)(2)(ii) of the Treasury Regulations, then, commencing on the first day of the 4th month of the current Plan Year and continuing until the Plan’s enrolled actuary issues a certification of the adjusted funding target attainment percentage for the Plan for the current Plan Year, or, if earlier, the date Section 13.7(g)(i)(D) applies to the Plan:

I. The adjusted funding target attainment percentage of the Plan for the current Plan Year is presumed to be the Plan’s adjusted funding target attainment percentage for the preceding Plan Year reduced by 10 percentage points; and

II. The first day of the 4th month of the current Plan Year is a section 436 measurement date.

(D) Presumption of Underfunding On and After First Day of 10th Month. If the Plan’s enrolled actuary has not issued a certification of the adjusted funding target attainment percentage for the Plan Year before the first day of the 10th month of the Plan Year (or if the Plan’s enrolled actuary has issued a range certification for the Plan Year pursuant to § 1.436-1(h)(4)(ii) of the Treasury Regulations but has not issued a certification of the specific adjusted funding target attainment percentage for the Plan by the last day of the Plan Year), then, commencing on the first day of the 10th month of the current Plan Year and continuing through the end of the Plan Year:
I. The adjusted funding target attainment percentage of the Plan for the current Plan Year is presumed to be less than 60 percent; and

II. The first day of the 10th month of the current Plan Year is a section 436 measurement date.

ii. New Plans, Plan Termination, Certain Frozen Plans, and Other Special Rules.

(A) First 5 Plan Years. The limitations in Section 13.7(a)(ii), Section 13.7(b)(ii) and Section 13.7(b)(iii) do not apply to a new plan for the first 5 plan years of the plan, determined under the rules of § 436(i) of the Code and § 1.436-1(a)(3)(i) of the Treasury Regulations.

(B) Plan Termination. The limitations on prohibited payments in Section 13.7(a)(i), Section 13.7(b)(i) and Section 13.7(c) do not apply to prohibited payments that are made to carry out the termination of the Plan in accordance with applicable law. Any other limitations under this section of the Plan do not cease to apply as a result of termination of the Plan.

(C) Exception to Limitations on Prohibited Payments Under Certain Frozen Plans. The limitations on prohibited payments set forth in Sections 13.7(a)(i), 13.7(b)(i) and 13.7(c) do not apply for a Plan Year if the terms of the Plan, as in effect for the period beginning on September 1, 2005, and continuing through the end of the Plan Year, provide for no benefit accruals with respect to any Members. This Section 13.7(g)(ii)(C) shall cease to apply as of the date any benefits accrue under the Plan or the date on which a Plan amendment that increases benefits takes effect.

(D) Special Rules Relating to Unpredictable Contingent Event Benefits and Plan Amendments Increasing Benefit Liability. During any period in which none of the presumptions under Section 13.7(g)(i) apply to the Plan and the Plan’s enrolled actuary has not yet issued a certification of the Plan’s adjusted funding target attainment percentage for the Plan Year, the limitations under Section 13.7(a)(ii) and Section 13.7(b)(ii) shall be based on the inclusive presumed adjusted funding target attainment percentage for the Plan, calculated in
accordance with the rules of § 1.436-1(g)(2)(iii) of the Treasury Regulations.

iii. Special Rules Under the Preservation of Access to Care for Medicare Beneficiaries and Pension Relief Act of 2010.

(A) Payments Under Social Security Leveling Options. For purposes of determining whether the limitations under Section 13.7(a)(i) or Section 13.7(b)(i) apply to payments under a social security leveling option, within the meaning of §436(j)(3)(C)(i) of the Code, the adjusted funding target attainment percentage for a Plan Year shall be determined in accordance with the “Special Rule for Certain Years” under §436(j)(3) of the Code and any Treasury Regulations or other published guidance thereunder issued by the Internal Revenue Service.

(B) Limitation on Benefit Accruals. For purposes of determining whether the accrual limitation under Section 13.7(b)(iii) applies to the Plan, the adjusted funding target attainment percentage for a Plan Year shall be determined in accordance with the “Special Rule for Certain Years” under §436(j)(3) of the Code (except as provided under section 203(b) of the Preservation of Access to Care for Medicare Beneficiaries and Pension Relief Act of 2010, if applicable).

iv. Interpretation of Provisions. The limitations imposed by this section of the Plan shall be interpreted and administered in accordance with § 436 of the Code and § 1.436-1 of the Treasury Regulations.

(h) Definitions. The definitions in the following Treasury Regulations apply for purposes of Sections 13.7(a) through (g): § 1.436-1(j)(1) defining adjusted funding target attainment percentage; § 1.436-1(j)(2) defining annuity starting date; § 1.436-1(j)(6) defining prohibited payment; § 1.436-1(j)(8) defining section 436 measurement date; and § 1.436-1(j)(9) defining an unpredictable contingent event and an unpredictable contingent event benefit.

(i) Effective Date. The rules in Sections 13.7(a) through 13.7(h) are effective for Plan Years beginning after December 31, 2007.
IN WITNESS WHEREOF, the undersigned has executed this instrument this __ day of _____________, 2014.

____________________________________
Name: Warren DeVries
Title: Secretary & Treasurer
Date Submitted: May 15, 2014
BOG Meeting Date: June 8, 2014

To: Board of Governors
From: William Garofalo, Managing Director, Finance
Presented by: Consent Item
Agenda Title: Delegation of Authority for an ASME officer to sign UBS corporate resolution

Agenda Item Executive Summary:

The Northwest Ohio section has an investment account with UBS Financial Service Inc. for the Ernest W & Anne S. Weaver Scholarship Fund. The original delegated signor on the investment account is deceased. UBS is asking to have an ASME officer sign the attached corporate resolution that would name Leonard A. Anderson, the current Chair, the new authorized signor on the account. Once Mr. Anderson is provided the authorization he will transfer the funds from the UBS account into the new section Chase consolidated bank account and close the UBS account.

Proposed motion for BOG Action: (if appropriate)

The ASME Board of Governors delegates the authority to William Garofalo to sign the UBS corporate resolution.

Attachments:
UBS Financial Services Inc. Corporate Resolution
ERNEST W & ANNE S WEAVER SCHOLARSHIP FUND OF NW OHIO SECTION, ASME
6047 GRAINFIELD DR
SYLVANIA, OH 43560-1059

August 21, 2013

I have enclosed a Corporate Resolution. This form is to ensure that we have all the necessary
documentation to properly maintain your account in compliance with firm policies and industry regulations.

Please review the information on the form and if everything is accurate, please sign and date the form.

Once completed, please send the form back to UBS using the supplied envelope or by faxing the form to
UBS at 877-785-8404.

If you have any further questions, please feel free to call the UBS Wealth Advice Center at (877) 827-7870.

Regards,

Boyd "Parks" Barnhardt
Financial Advisor

Enclosure: Corporate Resolution Form
Corporate Resolutions

WHEREAS, The Corporation seeks to benefit from opening and maintaining one or more securities, loan and/or guarantee accounts at UBS Financial Services Inc. ("UBS").

NOW, THEREFORE, BE IT RESOLVED THAT:

1) The Corporation is authorized to establish with UBS one or more accounts for the purchase and sale of securities, money, stocks, options, bonds, notes, futures contracts, commodities, commercial paper, certificates of deposit and other obligations, contracts, all other property usually and customarily dealt in by brokerage firms, the establishment of credit and/or the guarantee of another person’s or entity’s obligations (the “Account(s)”). UBS is designated an agent of the Corporation for property of any nature and is authorized to receive, hold and deliver any funds, securities or other property within or without the United States, registered in or transferred into the name of UBS or its nominee(s) or the name of one or more custodians or nominees thereof. UBS may either directly or through custodians retain unregistered securities or deposit the certificates representing such securities, in bulk with a central certificate depository, so that transfer of ownership of such securities may be made by bookkeeping entry on the books of such depository.

2) The Corporation is authorized to use the Account(s) and services offered by UBS to (a) sell short, (b) trade on margin, (c) borrow and/or obtain credit (including all manner of credits and/or letters of credit) from time to time from UBS and guarantee obligations of others to UBS in United States dollars or any foreign currency, (d) effect UBS Card transactions, (e) contract for any and all investment management and advisory services that UBS now or hereafter provides and delegate discretion to UBS or to a subadvisors in connection with such services, and (f) pledge, mortgage, assign or subject to a security interest or lien any property of any sort of the Corporation as security for any liability of the Corporation.

3) Each of the corporate officers or authorized representatives named in the spaces below (each, together with persons designated under resolution number 4 below, hereinafter called an “Authorized Person”) are authorized individually, without counter signature or co-signature, to act on behalf of the Corporation and UBS is authorized, but not obligated, to deal with each Authorized Person, individually, in connection with all aspects of the Account(s) to any one of the Account(s), to obtain all such services as UBS shall offer, including but not limited to the services set forth under resolutions number 2 and 5 and to purchase and sell and enter into any transaction whatsoever in connection with the Account(s) and the property therein, and (c) bind the Corporation in respect of any agreements entered into pursuant to clause (a) or (b) of this third resolution, and (d) the said Authorized Persons acting as above specified are authorized for the current taxable year and all future taxable years until this resolution is revoked or modified or the Account(s) are closed to execute and deliver to UBS on behalf of the Corporation any and all tax forms and other tax-related documents related to an Account of this Corporation (including without limitation U.S. Internal Revenue Service Forms W-8 and W-9, as applicable, and any documents relating thereto) and to make any certifications or representations under penalty of perjury on behalf of the Corporation that are required by such forms or documents. These resolutions supersede any previous resolutions of the Corporation presented to UBS Financial Services Inc. regarding the Account(s).

4) The Authorized Persons acting as above specified are authorized to appoint one or more attorneys-in-fact or agents to act on behalf of the Corporation in the same capacity as set forth above, and are authorized to execute and deliver to UBS any powers of attorney or other documents to effect or evidence such appointment.

5) UBS is authorized, but not obligated, to deal with each Authorized Person individually, as follows, subject to the Corporation having completed documentation relating to the relevant products and services and subject to UBS policy and practice as in effect from time to time:
   a) to accept all orders for purchases and sales and all instructions of any nature whatsoever in connection with the Account(s) which UBS Financial Services Inc. believes in good faith to have been originated by an Authorized Person, whether given verbally, in writing, or via electronic or other communications as the action of the Corporation without limit or further inquiry;
   b) to receive any funds, securities or other property for the Account(s) of the Corporation; to receive drafts, checks or other funds or property delivered to it for deposit for the Account(s) of the Corporation, whether or not endorsed

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with the name of the Corporation by rubber stamp, facsimile, mechanical, manual or other signature, and any such endorsement by whomever affixed shall be the endorsement of the Corporation, or otherwise endorsed, or unendorsed, provided that if any such item shall bear, or be accompanied by directions (by whomever made) for deposit to a specific account, then such deposit shall be to such specific account and to honor written instructions from each Authorized Person to deliver either in bearer form, in street certificates, in any names or in any other manner any funds, securities or other property held for the Account(s) of the Corporation:
c) to honor instructions from each Authorized Person to write checks, drafts, instruments, instructions or orders for the payment or withdrawal of funds drawn on the Account(s) or payable to the order of the Corporation ("Payments") without limit as to amount, without inquiry including Payments to the order of or in favor of any person who authorized the Payment or any other officer, authorized representative or agent of the Corporation and UBS, its subsidiaries and affiliates shall not be liable for any disposition which any such officer or authorized representative or agent shall make of all or any part of any Payment notwithstanding that such Payment may be for the personal account or benefit or in payment of the individual obligation of any such officer or authorized representative or agent to UBS, or otherwise;
d) to open deposit accounts in foreign currencies with any depositary to purchase, sell, transfer, or dispose of for present or future delivery foreign moneys, credits or exchange on deposit or otherwise and all manner of instruments representative thereof by endorsement or otherwise, and to execute and deliver any agreements or instruments relating to any such transactions.

6) Any and all actions previously taken with respect to matters provided for by these resolutions are hereby ratified, confirmed and approved.

7) UBS, its subsidiaries and affiliates are authorized to rely upon the authority conferred by these resolutions and upon any certification given in accordance with these resolutions unless and until UBS receives written notice of an amendment, modification or revocation of these resolutions. In the event that UBS for any reason, is uncertain as to the continuing effectiveness of the authority conferred by these resolutions or any other resolutions of the Corporation or the authority to any Authorized Person, UBS may refrain from taking any action with respect to the Account(s) until such time as it is satisfied as to its authority.

8) In consideration of UBS and any of its subsidiaries or affiliates acting in reliance upon these resolutions or any certification by the Secretary or Assistant Secretary they shall be fully protected in so acting and the Corporation agrees to indemnify and save harmless UBS and any of its subsidiaries or affiliates from and against any and all loss, damage, liability, claims and expenses including legal fees arising out of their so acting or its refraining from taking any action.

9) The Secretary or an Assistant Secretary of the Corporation is authorized and directed to certify to UBS and any of its subsidiaries or affiliates:

a) that these resolutions have been duly adopted, are in full force and effect and are in accordance with provisions of applicable law, the charter and by-laws of the Corporation;
b) the identities and specimen signatures of the Corporation's Authorized Persons and, from time to time hereafter, such changes as may occur in the identities of such Authorized Persons as such changes are made.

ATTENTION TRANSFER AGENT

10) Any Authorized Person is fully authorized and empowered to transfer, convert, endorse, sell, assign, set over and deliver any and all shares of stocks, bonds, debentures, notes, subscription warrants, stock purchase warrants, evidence of Indebtedness, or other securities now or hereafter standing in the name of or owned by the Corporation, and to make, execute and deliver, under the corporate seal of the Corporation or otherwise, any and all written instruments of assignment and transfer necessary or proper to effectuate the authority hereby conferred.

11) Whenever there shall be annexed to any instrument of assignment and transfer, executed pursuant to and in accordance with the foregoing resolution, a certificate of the Secretary or the Assistant Secretary of the Corporation in office at the date of such certificate and such certificate shall be signed by the Corporation, then all persons to whom such instrument with the annexed certificate shall thereafter come, shall be entitled, without further inquiry or investigation and regardless of the date of such certificate, to assume and to act in reliance upon the assumptions that the shares of stock or other securities named in such instrument were theretofore duly and properly transferred, endorsed, sold, assigned, set over and delivered by the Corporation, and that with respect to such securities the authority of these resolutions and of such officers or authorized representatives is still in full force and effect.

NOTE: ALL OFFICERS/AUTHORIZED REPRESENTATIVES MUST COMPLETE THE ADDITIONAL INFORMATION SECTION AND SIGN BELOW

<table>
<thead>
<tr>
<th>Officer First Name</th>
<th>Last Name</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rice</td>
<td></td>
<td>0017524732</td>
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AC-CR (Rev. 10/11)
©2011 UBS Financial Services Inc. All rights reserved. Member SIPC.
The undersigned, as the Secretary or Assistant Secretary of

("Corporation"), a corporation duly organized and existing under the laws of ________________, hereby certifies that the foregoing resolutions were duly adopted by the Board of Directors at a duly called meeting or by unanimous consent, and the resolutions remain in full force and effect and are in accord with and pursuant to the Corporation's Charter, by-laws and applicable law, and the Corporation is in good standing under all applicable state laws.

I further certify that the persons listed above are duly elected or appointed qualified officers or authorized representatives of the Corporation, hold in the Corporation the respective positions indicated above and that set forth opposite each respective name is the true and correct signature of such person.

WITNESS my hand and the seal of the Corporation at ______________________ this __________________ day of __________________, 20____.

(SIGNATURE OF SECRETARY or ASSISTANT SECRETARY)

Additional Information
Officer or Authorized Representative Name:  
Leonard ____________ Anderson ____________  
First Name ____________ Middle Name ____________ Last Name ____________  
Country of Citizenship: ☒ USA ☐ Other (specify): ____________  
Passport/Cedula: ____________  
6047 Grainfield Drive  
Address Line 1  
City ____________ State/Province ____________ Zip/Postal Code ____________  
Country United States of America  
Address Line 2  
City ____________ State/Province ____________ Zip/Postal Code ____________  
Home Phone ____________