2015-2016 BOARD OF GOVERNORS
Louisville, KY
June 6, 2016

ITEM

30. Call to Order

31. Adoption of Agenda

32. Announcements

33. Report on Closed Session

34. Discussion Items

35. Member Insurance Program

36. Items for Receipt

37. Items for Action

38. Dates of Future Meetings

39. Contingency Time

40. Adjournment
LIST OF APPENDICES

I Member Insurance Program Update
II Sector Management Committee Report
III CY15 Fellows Listing
IV Approved Society Award Listing
V Proposed Appointments
30. **Call to Order:**

On June 6, 2016, a meeting of the Board of Governors of the American Society of Mechanical Engineers was held in Louisville, KY. A quorum being present, the meeting was called to order by the President at 2:00 PM Eastern Time. Attendance was as follows:

**Board of Governors**
- President: Julio C. Guerrero
- Immediate Past President: J. Robert Sims
- President-Elect: K. Keith Roe

**Other Officers**
- Senior Vice Presidents: Robert E. Grimes, Technical Events and Content
  Laura E. Hitchcock, Standards and Certification
  Paul D. Stevenson, Student & Early Career Development
  Timothy Wei, Public Affairs and Outreach Sector
- Secretary and Treasurer: James Coaker
- Executive Director: Thomas G. Loughlin
- Assistant Secretary: John Delli Venneri
- Assistant Treasurer: William Garofalo

**Board of Governors Elects**
- Mahantesh Hiremath
- Karen J. Ohland
- William J. Wepfer

**Board Committee Chairs**
- Robert T. Simmons: Committee of Past Presidents
- Victoria Rockwell: Committee on Finance and Investment (COFI)
- Larry Luna: Committee on Organization and Rules (COR)

**Corporate Counsel**
- John Sare
Other Guests
Harry Armen  Past President, 2004-2005
Hasan Akhter  ECLIPSE Intern
Jennifer Bell  Engineering Sources and Processing Segment, Leader
Louis Bialy  Board on Safety Codes and Standards, Chair
Bridget Brown  ECLIPSE Intern
Satish Chander  ASME Liaison to India
Camille Cruz  ECLIPSE Intern
Lynden Davis  ASME Foundation, Vice Chair
Larry Dickinson  Committee on Organization and Rules
Nancy D. Fitzroy  Past President, 1986-1987
Karman Ghia  Committee on Honors
Jorge Gonzalez  Liaison ASME Mexico
Richard Goldstein  Past President, 1996-1997
Kalan Guiley  Committee on Government Relations, Past Chair
Emam Haque  ECLIPSE Intern
Ralph Hill  Board on Nuclear Codes and Standards Chair
Amos E. Holt  Past President, 2009-2010
Bernard Hrubala  Past Governor
Mo Hosni  Past Vice President
Madeleine Kopp  PD Early Career, Co-Chair
Ritesh Lakhkar  ECLIPSE Intern
Webb Marner  Pension Plan Trustee
Sylvia Mohr  Liaison ASME Brussels
Manesh Nair  ECLIPSE Intern
George Papadopoulos  Engineering Sciences Segment, Representative
Jiten Patel  ECLIPSE Intern
Dan Peters  Energy Sources and Processing Segment, Representative
William Predebon  Committee on Engineering Education, Chair
Mary Lynn Realff  Diversity and Inclusion Strategy Committee
Chittaranjan Sahay  Past Governor
Terry Shoup  Past President, 2006-2007
Jamie Sotomayor  Past District Leader
Reggie Vachon  Past President, 2003-2004
Charla Wise  Past Governor
Steven Wallace  Board on Standardization and Testing, Chair
Sara Wheeland  ECLIPSE Intern
Sam Zamrik  Past President, 2007-2008

Staff
William Berger  Managing Director, Standards
RuthAnn Bigley  Coordinator, Governance
Clare Bruff  Manager, Volunteer Leadership Development
Peter Cestaro  Director, Benefits and Payroll
Paul Cleri  Director, Technology Development
Noha El-Ghobashy  Associate Executive Director, Programs & Philanthropy
Samantha Fijacko  Government Relations Representative
Nick Ferrari  Director, Editorial
31. **Adoption of the Agenda:** The Board

VOTED: to adopt the agenda as circulated on May 25, 2016.

32. **Announcements:**

President Guerrero welcomed all to the meeting and recognized Past Presidents Harry Armen, Nancy Fitzroy, Richard Goldstein, Amos Holt, Terry Shoup, Reggie Vachon, and Sam Zamrik and Emam Haque as the outgoing ECLIPSE Intern.

33. **Report on Closed Sessions**

President Guerrero reported on the following Closed Sessions of the Board:

At the June 6, 2016 Closed Session, the Board

- Received a report from Corporate Counsel
- Was updated on FY16 Q3 Enterprise Update and Year-End projections
- Accepted a report on the Executive Director’s Performance Evaluation and Compensation Recommendations
- Approved Benefit Plan Documents
- Approved the selection of Honorary Members and ASME Medalist
- Received an update on the FY16 Volunteer/Staff Collaboration Survey
- Discussed Board Self-Assessment conducted by BoardSource
- Approved Strategy Update and Technology Selection

34. **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: Sector Management Committee Report by Keith Roe (Agenda Appendix 4.1.1 and Minutes Appendix II); Member Insurance Program Update by William Garofalo and Michael Ireland (Agenda Appendix 2.5 and Minutes Appendix I); Reflections on Past Year by Julio Guerrero; Comments by Outgoing Board Members Bob Sims, Stacey Swisher Harnetty, Andrew Taylor, William Worek, and Outgoing Senior Vice President Bobby Grimes; and a committee on strategy and planning.

Following the close of the Discussion Items, the Board

VOTED: to move into formal session.

35. **Member Insurance Program:** The Board

VOTED: to approve a $1,000,000 withdrawal from the Dividends on Deposit fund (DOD) to strengthen the ASME Insurance Program by funding new programs designed to grow membership and engagement.

36. **Items for Receipt:** The Board

VOTED: to receive the following items: (1) Sector Management Committee Report (Agenda Appendix 4.1.1 and Minutes Appendix II); (2) CY15 Fellows Listing (Agenda Appendix 4.1.2 and Minutes Appendix III); (3) Approved Society Awards Listing (Agenda Appendix 4.1.3 and Minutes Appendix IV).

37. **Items for Action:** The Board

VOTED: to approve the following items: (1) Minutes from the Meeting on April 14-15 2016; (2) Proposed Appointments (Agenda Appendix 4.2.3 and Minutes Appendix V).

38. **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>
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<tbody>
<tr>
<td>June 8, 2016 (a)</td>
<td>Wednesday</td>
<td>10:00 AM – 3:00 PM</td>
<td>Louisville, KY</td>
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<tr>
<td>October 4, 2016 (a)</td>
<td>Tuesday</td>
<td>1:00 PM – 5:00 PM</td>
<td>Web conference</td>
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<td>November 12, 2016 (a)</td>
<td>Saturday</td>
<td>8:30 AM – 4:30 PM (MT)</td>
<td>Phoenix, AZ</td>
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<td>Thursday</td>
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<td>Web conference</td>
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<td>April 20, 2017 (a)</td>
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<td>1:00 PM – 5:00 PM</td>
<td>New York, NY</td>
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<tr>
<td>April 21, 2017 (a)</td>
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<td>8:00 AM – 1:00 PM</td>
<td>New York, NY</td>
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<tr>
<td>June 11, 2017(a)</td>
<td>Sunday</td>
<td>9:30 AM – 4:30 PM (PT)</td>
<td>Newport Beach, CA</td>
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<tr>
<td>June 14, 2017 (b)</td>
<td>Wednesday</td>
<td>10:00 AM – 3:00 PM(PT)</td>
<td>Newport Beach, CA</td>
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(a) 2016-2017 Board of Governors  (b) 2017-2018 Board of Governors
BOG Retreat will take place July 12-15, 2016 in Hamilton, Bermuda.

39. **Contingency Time:**

President Guerrero recognized Bob Sims as Immediate Past President; the three retiring Board members: Stacey Swisher Harnetty Andrew Taylor, and William Worek; and Senior Vice President Robert Grimes.

40. **Adjournment:** The meeting was adjourned on Monday, June 6, 2016 at 4:00 PM Eastern Time.

________________________
James Coaker
Secretary
ASME Insurance Program
Member Benefit

Presentation to the BOG
June 6, 2016
History & Overview:

• ASME engages Mercer Consumer (a.k.a Marsh, Seabury & Smith) as a broker and administrator to offer / provide various insurance products to ASME Members and their families.
  • Program launched in 1958
  • 26 insurance products including life, health, auto, home, professional liability, long term care, disability, and more

• Mercer engages New York Life for Annual Renewable, 10-Year and 20-Year Term life insurance products.
  • A.M. Best Rating of A++ (Excellent)
  • 15,000 ASME members participate in life plans (66% of total policies)
  • No rate increases in over 40 years.
  • Premium credits (currently 25%) continue on a regular basis
Premiums are growing...

Total Plan Premiums ($000)

- 2012: $25,600
- 2013: $25,800
- 2014: $26,000
- 2015: $26,200
- 2016: $26,400
...and more than 1/3 of Eligible Members participate...

59,000 ASME Members are eligible to apply for an insurance product*

* Professional Members who are US Residents as of 12/31/2015
...but participation has been dropping:

![Insurance Policies in Effect](chart)

- 2012: 25,000
- 2013: 24,500
- 2014: 24,000
- 2015: 23,500
- 2016: 23,000
### Annual Insured Comparison

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<td>321</td>
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| TOTAL INSUREDS                   |           | 26,519   | 26,706   | 26,198   | 25,318   | 24,619   | 23,951   | 23,409   | 22,776   | 22,042   |

| Free Life Policies               |           | 0        | 0        | 0        | 0        | 0        | 0        | 4,672    | 5,167    | 6,463    | 1,120    |

| UNIQUE INSUREDS                  |           | 19,361   | 23,758   | 24,362   | 25,109   | 19,791   | 6,463    | 1,120    | 24,042   | 22,042   |
More than 7,000 policies have lapsed since 2008

- Age is playing a significant factor in terminated polices
  - 64% of policies were terminated between ages 50-70
- Plan design changes were recently made in this age band to help reduce lapse frequency
- Competition and ease of comparison shopping online contribute to this issue
ASME Earns Over $2.2 Million in Annual Royalties:
FY16 Forecasted Amounts

- Fixed Royalty: $1,450,000
- Variable Royalty: $560,000
- Add’tl Mercer Guarantee: $120,000
- Signing Bonus: $120,000*

* Signing bonus was paid for renewing contract in FY15 & FY16 only
Plan Concepts:

• The life insurance policy accumulates reserves based on performance – the difference between premiums collected and claims / benefits paid

• After all claims and expenses are paid / accrued, the policy retains reserves for the future benefit of policy holders
Plan Concepts:

Cost Stabilization Reserve (CSR)

- CSR is used to minimize impact of poor claims experience
- Minimum CSR requirement is 25% of annualized premium for Life plans
- Maximum CSR balance is 50% of annualized premium for Life plans
  - ASME is currently funded at this 50% level
- These reserves typically earn an interest rate of 2.5% - 3% which is added to the DoD

Dividends on Deposit (DoD)

- Margins which exceed the CSR maximum of 50% are held in this fund
- Intended to supplement CSR protection, pay the fixed ASME royalty, and support initiatives like premium discounts, credits, or other benefits to the insured members
**Dividends on Deposit**

Favorable claims experience continues to stimulate DoD Growth:

Typical Acceptable Loss Ratio = 60-70%

- 2014/15 Loss Ratio = 54.1%
- 2013/14 Loss Ratio = 54.3%
- 2012/13 Loss Ratio = 42.3%
- 2011/12 Loss Ratio = 40.5%

| 5/1/00 - 5/1/01 | 5/1/01 - 5/1/02 | 5/1/02 - 5/1/03 | 5/1/03 - 5/1/04 | 5/1/04 - 5/1/05 | 5/1/05 - 5/1/06 | 5/1/06 - 5/1/07 | 5/1/07 - 5/1/08 | 5/1/08 - 5/1/09 | 5/1/09 - 5/1/10 | 5/1/10 - 5/1/11 | 5/1/11 - 5/1/12 | 5/1/12 - 5/1/13 | 5/1/13 - 5/1/14 | 5/1/14 - 5/1/15 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| **Beginning Balance** | $5,838,590 | $4,426,397 | $1,690,671 | $0 | $1,005,494 | $2,774,711 | $5,188,262 | $8,999,456 | $12,344,484 | $14,566,208 | $17,688,522 | $20,302,336 | $22,450,870 | $25,314,616 | $25,467,559 |
| **Deposit** | $3,839,598 | $1,690,671 | $0 | $1,005,494 | $2,774,711 | $5,188,262 | $8,946,422 | $9,359,614 | $7,574,965 | $8,553,570 | $8,312,305 | $9,376,086 | $6,775,621 | $6,638,662 |
| **Withdrawals** | ($5,251,791) | ($4,426,397) | ($1,690,671) | ($1,005,494) | ($2,774,711) | ($5,135,229) | ($5,014,586) | ($5,353,236) | ($5,431,265) | ($5,496,445) | ($6,163,771) | ($6,612,280) | ($6,622,678) | ($6,587,807) |
| **Ending Balance** | $4,426,397 | $1,690,671 | $0 | $1,005,494 | $2,774,711 | $5,188,262 | $8,999,455 | $12,344,484 | $14,566,208 | $17,688,522 | $20,302,336 | $22,450,870 | $25,314,616 | $25,467,559 |

**Cost Stabilization Reserve History (Life Plans)**

| 5/1/00 - 5/1/01 | 5/1/01 - 5/1/02 | 5/1/02 - 5/1/03 | 5/1/03 - 5/1/04 | 5/1/04 - 5/1/05 | 5/1/05 - 5/1/06 | 5/1/06 - 5/1/07 | 5/1/07 - 5/1/08 | 5/1/08 - 5/1/09 | 5/1/09 - 5/1/10 | 5/1/10 - 5/1/11 | 5/1/11 - 5/1/12 | 5/1/12 - 5/1/13 | 5/1/13 - 5/1/14 | 5/1/14 - 5/1/15 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| **Ending Balance** | $7,692,741 | $8,246,034 | $7,056,627 | $8,931,081 | $9,157,979 | $9,339,002 | $9,594,014 | $9,860,677 | $10,096,515 | $10,261,797 | $10,393,021 | $10,584,376 | $10,585,515 | $10,557,885 |
| **Percent of Premium** | 51.0% | 51.2% | 41.1% | 50.4% | 50.5% | 50.2% | 50.4% | 50.2% | 50.3% | 50.1% | 50.1% | 50.0% | 49.7% | 49.7% |

**Premium History (Life Plans)**

| 5/1/00 - 5/1/01 | 5/1/01 - 5/1/02 | 5/1/02 - 5/1/03 | 5/1/03 - 5/1/04 | 5/1/04 - 5/1/05 | 5/1/05 - 5/1/06 | 5/1/06 - 5/1/07 | 5/1/07 - 5/1/08 | 5/1/08 - 5/1/09 | 5/1/09 - 5/1/10 | 5/1/10 - 5/1/11 | 5/1/11 - 5/1/12 | 5/1/12 - 5/1/13 | 5/1/13 - 5/1/14 | 5/1/14 - 5/1/15 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| **Premium** | $15,084,211 | $16,098,706 | $17,148,725 | $17,735,232 | $18,142,031 | $18,781,162 | $19,188,028 | $19,909,883 | $20,087,069 | $20,469,020 | $20,751,553 | $21,083,623 | $21,325,757 | $21,309,212 | $21,309,212 |
To summarize:

- ASME is planning on investing in new membership and engagement models in FY17
- Member participation in the insurance program is declining
- The DoD is intended to be used for the benefit of the insureds, which includes membership drive initiatives and additional marketing tactics
- To help fund the membership models and increase participation in the insurance program, we are seeking approval of $1M withdrawal from the DoD
- The $1M withdrawal is included in the FY17 budget
BOG Action:

Vote on approval of a $1M withdrawal from the Dividends on Deposit fund (DoD) to strengthen the ASME Insurance Program by funding new programs designed to grow membership and engagement.
Questions?
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 18, 2016
BOG Meeting Date: June 6 and 8, 2016
To: Board of Governors
From: Sector Management Committee

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

The report updates the BOG on Sector, GPS/GETT and VOLT related activities and is for information only.

Proposed motion for BOG Action: (if appropriate)

No Action

Attachments:
One
I. SMC Operations

- The SMC continues to refine the definition of its roles, including working with VOLT on the leadership pipeline.
- Rick Marboe will chair the SMC Task Force on Group Alignment.
- Stacey Swisher Harnetty will chair the SMC Task Force on Industry Engagement.
- Terry Shoup will chair Student, Early Career & Digital ME Task Force

II. Sector Highlights

Standards & Certification – Laura Hitchcock, Bill Berger

Quarterly Highlights

- The Council on Standards and Certification (CSC) last met via webconference on February 8, 2016, and will hold its next meeting on June 7, in conjunction with the Annual Meeting.
- Work continues on the S&C Strategic Plan. Good progress has been made by the four Task Teams established by the Council to seek and analyze input in the following areas: International Working Groups, Derivative (or Companion) Products, Benchmarking Other SDO’s (in how they identify standards opportunities for emerging technologies in their areas), and Committee Best Practices. The Task Team on Committee Best Practices has distributed its survey to ASME’s standards committees, via the S&C supervisory boards, seeking input on a number of areas of committee operations. The Task Teams were charged with submitting their final reports and any recommendations for action to the Council at its November, 2016 meeting.
- Staff has initiated work on ASME’s response to the recent audit of its standards development activities, conducted by the American National Standards Institute (ANSI), No major, systemic findings were reported.
- An Argentina International Working Group for Nuclear Codes and Standards activities was launched.

Upcoming Activities/What’s on the Horizon?

- Appointment of the Council on S&C’s nominee for the next Senior Vice President, S&C will be acted on by the BoG in June.
Technical Events and Content (TEC) Bobby Grimes, John Koehr

ECS (Energy Conversion & Storage) Segment

Quarterly Highlights

- A new web content/social media strategy was launched on Power & Energy. Here are the links of the social media hubs:
  https://www.asme.org/events/power-energy
  https://www.linkedin.com/groups/8454951

- New conferences ideas are being discussed for 2018 such as the International Conference on Environmental Remediation and Radioactive Waste Management (ICEM) and a new conference on Nuclear Operation and Maintenance customized for industry and end users.

Upcoming Activities/What’s on the Horizon?

- Turbo Expo 2016 will be held June 13-17 at the COEX Convention Center in Seoul, South Korea, first time done in Asia, with 1,937 abstracts submitted.
- Power & Energy (P&E) 2016 will be held June 26-30 at the Charlotte Convention Center, planning is well underway. This event will be co-located with ICONE 2016. 594 abstracts were submitted to P&E, and 887 abstracts to ICONE.
- Internal Combustion Engine Conference (ICEF) will take place from Oct 9-12, 2016 in Greenville, South Carolina.

ESP (Energy Sources & Processing) Segment

Quarterly Highlights

- OTC Asia was held March 22-25 at the Kuala Lumpur Convention Centre in Kuala Lumpur, Malaysia. The event attracted 20,000+ industry professionals from 70 countries, and included an exhibition showcasing the products and services of more than 280 companies.
- OTC Houston was held May 2-5 in Houston. Attendance was ~65,000 (down from 95,000 in 2015), yet the exhibit space was sold out. A strong technical program was held with 335 technical papers. The BMEA – Best Mechanical Engineering Award event was well attended on May 2.

Upcoming Activities/What’s on the Horizon?

- The International Pipeline Conference will take place from September 26-30, 2016 in Calgary, AB. 1500 attendees and over 300 technical papers are expected. The final judging of the Pipeline Systems Division annual Global Pipeline Award will take place and the winner will be announced during the PSD Volunteer Appreciation Dinner during IPC.

ESS (Engineering Sciences) Segment
Quarterly Highlights

- ESS endorsed the Bioengineering Division's proposal for ASME to co-sponsor with the World Biomechanics Congress 2018 in Dublin, Ireland. This would be the second such co-sponsorship, with the first event occurring in 2014 in Boston.
- Location of Salt Lake City has been confirmed for IMECE 2019.
- An ESS-SLT face-to-face meeting was held at the ASME DC office on March 25, with the next one scheduled on May 23 in Atlanta. Frequent telecons have been held between the F2F meetings to conduct ongoing business.

Upcoming Activities/What’s on the Horizon?

- Planning for the following ESS conferences are underway and on target for execution:
  - 2016 Heat Transfer/Fluids/ICNMM joint conference, July 10-14 in Washington, DC
  - 2016 ASME/MANCEF COMS, August 28–31 in Houston
  - 2016 IMECE, November, Phoenix
  - 2017 Fluids Engineering Division Conference, July 30-August 4 in Waikoloa, HI. Fluids 2018 is under consideration by ESS.

DMM (Design, Materials, and Manufacturing) Segment

Quarterly Highlights

- DMM offered the Advanced Manufacturing Innovation Summit on March 17, 2016 in Tampa, Florida co-located with PAO’s International Mechanical Engineering Department Head Conference and an IAB meeting. Initial response seems positive, we are now gathering feedback to determine next steps. There is an opportunity to evolve this event into the go-to event for the US National Network for Manufacturing Innovation (NNMI) Institutes and their stakeholders.
- The Joint Rail Conference was held from April 12-15, 2016 in Columbia, South Carolina, with 185 attendees and 90 published papers presented.

Upcoming Activities/What’s on the Horizon?

- A new event, IoTConnect: Internet of Things Intelligent Hardware Conference will be co-located with the ISPS (Information Systems Processing Conference) and the InterPACK (Packaging & Integration of Electronic & Photonic Microsystems) workshop from June 20-21 in Santa Clara, CA.
- AM3D/IDETC/CIE will be held from August 21-24, 2016 in Charlotte, North Carolina. Online registration has launched.
Programs

Public Affairs & Outreach – Tim Wei, Reese Meisinger

Cross-cutting Initiatives

- (GR/EE) Roger Naryan, Professor, Mechanical and Bioengineering at NC State University was selected as the second Advanced Manufacturing Fellow to be based at America Makes (Additive Manufacturing).
- (EE/S&C) The joint working group now consisting of eight (8) engineering education experts and eleven (11) standards/certification experts is underway aligning particular ASME Standards with the needs of targeted undergraduate ME courses. A progress report will be presented to the PAO and S&C Councils in June.

Engineering for Global Development/E4C

Quarterly Highlights

- ISHOW Global – ISHOW Bangalore held April 28 with much success. Finalists presented hardware technologies that address social/environmental problems in emerging markets. Solutions addressed healthcare, agriculture, educational and energy challenges. Quality of applicants/finalists is much higher than last year, which is a very encouraging trend.
- DEMAND ASME Global Development Review – Spring Issue was officially launched at The Sankalp Forum in Mumbai, India, along with a co-branded special publication for the conference to promote brand awareness and open potential revenue opportunities with similar collaborations in the future. New Web portal and blog were launched by end of March.
- Conference Programming – Headliner and lightning talk/panel speakers have been identified for IDETC at end of August. Outreach ongoing. More conferences at IDETC are partnering with EGD programmatic efforts.

Upcoming Activities/What’s on the Horizon?

- ISHOW Global – Events scheduled: Bangalore, India, April 28; Nairobi, Kenya, May 26; DC, June 16.
- DEMAND, ASME Global Development Review – Content for Summer Issue is in development. Launch/awareness push for Spring Issue is in process and will run through June, with promotion at three events in May and ongoing promotion through existing networks.
- EGD Committee – Micki Marshall resigned as EGD Chair in April due to work obligations. Committee is currently engaged in succession planning in both the short and long term. Succession will mesh with the construction of “EGD 2.0” strategy, which will be based on Committee’s feedback on first four years of lessons learned and identifying market gaps.
K12/Diversity/Scholarships

Quarterly Highlights

- INSPIRE was promoted in the Houston area via a STEM Zone at the PGA Shell Open, April 1-3, where INSPIRE students from Sam Houston HS also received a behind-the-scenes tech tour event; and at the Houston ISD Career Expo on April 9th. An ASME INSPIRE Power Teacher Award was initiated to recognize those educators taking a creative approach to engaging students on the platform (winners will be celebrated at the Roe Lunch Program at the June Annual Meeting). To date, INSPIRE is being used by 680 teachers reaching 24,588 students in 618 schools across 44 states.
- The 4th Future Engineers Challenge was launched on April 16th at the USA Science and Engineering Festival in Washington, DC. In addition to distributing promotional material at all INSPIRE events, emails were sent to all teachers in the INSPIRE network promoting the program and new challenge.
- ASME INSPIRE assembly was held on May 4th at Joseph Cavallaro Middle School in Brooklyn, NY; the program will be honored overall at an EverFi-supported STEM event on May 19th at NASDAQ in NYC.

Diversity & Inclusion Strategy Committee

Quarterly Highlights

- DISC was represented at the inaugural 50K Coalition Collective Impact Workshop on April 20-21, at ASCE office in Herndon, VA. With a stated mission of graduating 50K diverse engineers by 2025, the workshop focused on identifying high-level pathways, metrics, and areas for potential program collaboration to reach this audacious goal.

Engineering Education

Quarterly Highlights

- The ASME Committee on Honors and the ASME Foundation supported the Committee on Engineering Education request that the Frank Von Flue Award be sunset and the fund balance be used to strengthen the Edwin F. Church Medal The move supports the strategic focus of Engineering Education (Vision 2030) and restores the Church to a solid fiscal footing.
- CEE Chair, William Predebon and Tom Perry, Director, Engineering Education were featured speakers at the annual conference of Colombian ME Department Heads in Barranquilla Colombia, April 20-22. Their presentation focused on the latest Vision 2030 curriculum implementation data and examples, online ASME Codes/Standards courses and ASME Student Competitions. 45 of the 53 ME department heads in Colombia attended the conference.
- Following an exploratory visit to Shanghai Jiao Tong University last Fall by Mo Hosni, Tom Perry and John Zhang (ASME BRO), Shanghai Jiao Tong, the #2 ranked university in China, has expressed interested in hosting/collaborating with ASME and CMES on the next
ME Education Leadership Summit in China as well as ABET accreditation and faculty development workshops. It is expected this summer that two ME programs will be the first in China to receive ABET accreditation, sparking additional interest and potential workshop opportunities.

Upcoming Activities/What’s on the Horizon?

- NSF ADVANCE PI Meeting, WEPAN/ASME TECAID session will be featured on May 23rd in Baltimore, MD
- ME/MET Department Heads meetings and special WEPAN/ASME TECAID session will be featured at the ASEE Annual Conference, June 26-29, New Orleans, LA
- As part of the NSF Funded TECAID project ASME Engineering Education will be featured at the WEPAN Change Leader Forum, June 14-16, Bloomfield, CO
- ASME Committees on Engineering & Engineering Technology Education, July 13, in conjunction with ABET Commission meetings in Baltimore, MD
- WEPAN/ASME TECAID Workshop #4 August 1-3 in Chicago, IL

Government Relations

Quarterly Highlights

- On April 19th, ASME took the lead in organizing the annual “Engineering Public Policy Symposium” in Washington, DC. Over 130 society leaders from 44 multi-disciplinary engineering organizations (representing more than two million engineers) attended the symposium.
- The Committee on Government Relations met on April 18th prior to the meeting with representatives of 10 technical divisions in attendance. The Committee also held a “Member Only” meeting to discuss upcoming policy issues related to advanced manufacturing and energy.
- On April 20th, ASME sponsored a Congressional briefing with the U.S. Coalition for the Advancement of Supercomputing on “U.S. Leadership in Supercomputing: Past, Present, and Future.” The briefing was held in conjunction with the Science and National Labs Caucus.
- Two of ASME’s 2015 WISE interns, Paige Balcom and Garrett Dowd, have been selected as Fulbright scholars for 2016.

Upcoming Activities/What’s on the Horizon?

- Two federal fellows have been selected for 2017-2018, one Congressional and one federal agency, and will start later this year.
- The 2016 Washington Internships for Students of Engineering (WISE) program will run from June 6-August 5, 2016. ASME will be sponsoring two interns: Brenna Doherty from the University of Wyoming and Emily Sheffield from Harding University. Sheffield is being funded by the Advanced Manufacturing National Program Office at NIST, and her topic will be related to the National Network for Manufacturing Innovation.
Industry Advisory Board (IAB)

Quarterly Highlights

• The IAB spring meeting was held March 17 and 18 in conjunction with the ASME Internat'l Mech Engineering Education Leadership Summit and the inaugural Advanced Manufacturing Innovation Summit in Tampa, FL.

• IAB Executive Committee members, including Chair Andy Bicos and Dean Bartles, were interviewed by asme.org staff at the November meeting, and the following videos were produced and are available at: https://www.asme.org/engineering-topics/media/manufacturing-design/video-applying-big-data-to-aerospace and https://www.asme.org/engineering-topics/media/manufacturing-design/video-innovations-digital-manufacturing-design

Upcoming Activities/What’s on the Horizon?

The IAB fall meeting will be held at the beginning of December in Washington, DC.

Student & Early Career Development (SECD) – Paul Stevenson, Noha El-Ghobashy

Quarterly Highlights

Programmatic / Operational Activities

SECD Sector

SECD council is implementing its strategic plan and has successfully completed a succession planning round, nomination of the reps to NC, finalizing SECD Operating Guide.

Student Programs

Quarterly Highlights

• Plans are underway for the 2017 E-Fests. The E-Fest volunteer team is being assembled and is near finalization.

• 12 Student Professional Development Conferences (SPDC) are taking place this year from March to June.

March events highlights:
  o GA Tech SPDC was attended by 275+ students. Keith Roe, ASME President-elect and Bill Wepfer, ASME Governor and Georgia Tech ME Department Head addressed the students at the opening of the event
  o India SPDC and Human Powered Vehicle Challenge (HPVC) were being held back to back as a pilot at the VIT campus. The combined total of participants at the two events were around 750.
  o SPDC programs included professional development sessions as well as free software training by Comsol Co. at selected venues.
April events highlights: 6 SPDCs were hosted at American University-Egypt, American University-Lebanon, Northern Arizona University, Minnesota State University, Rutgers University and Oklahoma State University.

May-June events: Yeditepe University in Istanbul and Universidad del Altiplano in Puno

- HPVC West was held successfully on Apr 22-24 in San Jose, CA with 29 teams in attendance representing over 340 students. The competition also drew a team each from Egypt, India, and Mexico.
- Registration for HPVC East has concluded with 35 registered teams and nearly 350 plus competitors and student supporters expected to be present in Ohio week of May 13-15.
- ASME Innovative Design Simulation Challenge (IDSC) in its third year, closed Round I with 25 digital submissions from India, Egypt, South Korea, Lebanon, and Taiwan. The IDSC team is expected to make selection of the Round II participants by mid-June.
- ASME Innovative Additive Manufacturing 3D (IAM3D) Challenge also in its third year, closed Round I with 47 entries. The IAM3D team is expected to make selection of the Round II participants by mid-June.

Upcoming Activities/What’s on the Horizon?

- SPDC Universidad del Altiplano in Puno will take place in June 2016; the location and timing for SPDC in Pakistan are still being finalized due to the geo-political situation.
- Planning has started for the 2016 Mexico HPVC.
- Applications are being accepted for Student Section Awards and Grants through May 2016.
- IDSC and IAM3D teams are working on evaluating respective Round I submissions and selecting the participants for the respective Round II which will take place at IDETC 2016 in Aug 2016.

Early Career Programs

Quarterly Highlights

- Program development continues for FutureME Mini-Talks at the 2016 Power & Energy/ICONE and IDETC2016 conferences:
  - The Design/Advanced Manufacturing market segment team call for presenters concluded mid-April for the IDETC2016 event
  - Power Generation market segment team members matched one-on-one with presenters to collaborate and hone talking points for the presentations
  - Work in progress with IT on reducing expenses and standardizing the on-site production equipment & setup/layout for the mini-talk production
- Two (2) FutureME Mini-Talks from IMECE2015 released on .ORG and in the process of being released on YouTube. The videos are:
  - Take Control of Your Career
  - Project Success: Defining the Problem
• FutureME Mini-Talks web platform established on .ORG to highlight on-demand access, live events and the way to participate. FutureME Community platform established and is progressing with volunteer team advising on the strategy.
• The ECE Programming Committee Market Segment Teams (Power Gen, Energy Sources, and Design/Adv. Mfg.) have been engaging new volunteers to take on important roles and responsibilities to generate content/community; these folks will be a great pool for generating future ASME leaders.

Upcoming Activities/What’s on the Horizon?

• The Energy Sources team plans to schedule the first planning meeting, identify topics and solicit presenters for the IMECE2016 FutureME Mini-Talks.
• IDETC2016 presenter interviews will be conducted early May, along with selecting presenters, and pairing them with volunteer coaches.
• Establishing a promotional campaign with .ORG/Marketing to drive traffic and cascade the look and feel of the FutureME brand across all ECE career development program components.
• The ECE Programming Committee is in the final stages of finalizing work on standardizing how the teams will work, updating operation guide and developing more specific member job descriptions to adequately align with the committee goals.
• Releasing the remaining two (2) IMECE2015 FutureME Mini-Talks.

Community Development

Quarterly Highlights

• 1600 scholarship applications were received and are being evaluated. The first round has been completed and evaluators are all evaluating the top 100 applications.
• Conducted a SWOT analysis of ME Today program and mapped out the overall editorial process.
• Work in progress on three (3) articles about Diversity Action Grant (DAG) projects to be published in ME Today.

Upcoming Activities/What’s on the Horizon?

• The May issue (HTML) of ME Today will be published first week of May.
• Working with .ORG/Marketing on updating the functionality and look and feel of ME Today to align with the FutureME brand.
• Scholarship recipients will be selected May 26-27 during the final round taking place in the New York Office and awardees will be notified and confirmed in mid- to late-June
• A number of articles are in the pipeline for the ME Today publication:
  o Public Information is working on two (2) articles,
  o Energy Sources market segment team is in progress to develop a series of articles cover Solar Energy,
  o FutureME Program Grant article
III. Volunteer Orientation and Leadership Training (VOLT) Academy – Marc Goldsmith, Clare Bruff

Quarterly Highlights

- The Cross-Sector Leadership Development Workshop was held April 14-16, 2016 in New York, in conjunction with the April Board of Governors meeting. Eighteen emerging leaders from all four sectors participated in this event. Feedback to date has been overwhelmingly positive and collaboration is already beginning to take place.
- The ECLIPSE Leadership Development Workshop was held on April 17-19 in Washington, DC. The current and incoming ECLIPSE interns attended. The interns had a reception and dinner with the PET on April 17 and participated in an all-day leadership workshop on April 18. They attended the Engineering Public Policy Symposium on April 19.

Upcoming Activities/What’s on the Horizon?

- A Board of Governors Candidate Briefing will be held via webinar on Monday, May 9. Reggie Vachon will moderate.
- A Presidential Candidate Briefing will be held on Tuesday, May 17. Harry Armen will moderate.
- A leadership workshop is being planned for the Annual Meeting. The focus this year will be on collaboration, cooperation, and breaking down silos.

IV. Group Pathways & Support (GPS)/Group Engagement & Transition Team (GETT) – Karen Ohland, Elio Manes

Quarterly Highlights

- The Old Guard Committee has been transitioned from being a unit under the Student & Early Career Center to operating like a Group.
- Conducted a training webinar with members of the Old Guard Committee on April 26. Topics (presenters) included: A Review of Recent ASME Developments (Keith Roe); An Overview of the Group Concept and GPS (Rick Marboe); Group Financial Procedures (Karen Ohland); The GPS System & Processes (Elio Manes).
- Held a training webinar in May 2016 with members of the Old Guard Committee on how to use the GPS Requisition Tool.

Upcoming Activities/What’s on the Horizon?

- Looking at doing a face-to-face training event with Divisions during the September/ October 2016 timeframe. Among the training topics under consideration will be the technology focus areas of the ASME strategy as well as pathways of engagement in new programs being launched for students.
Date Submitted: May 19, 2016
BOG Meeting Date: June 6, 2016

To: Board of Governors
From: Committee of Past Presidents
Presented by: Leila Persaud, Manager Honors & Fellows
Agenda Title: CY 2015 Fellows Listing

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

Attached for information is the listing of ASME Fellows elected in CY2015.

Proposed motion for BOG Action: *(if appropriate)*
None

Attachment: Yes
Marwan S. Al-Haik
Timothy A. Ameel
Majid Bahrami
Ravi Baliga
Debjyoti K. Banerjee
Kamran Behdinan
Michiel P. Brongers
Klaus Brun
Lawrence M. Butkus
Christopher P. Cadou
Qingjun Cai
Scott W. Case
Reaz A. Chaudhuri
Ioannis Chasiotis
Alisa Morss Clyne
Francesco Costanzo
Jack R. Cole
Rafael V. Davalos
Jaydev Desai
David A. Dillard
Tammy Haut Donahue
Yuan Dong
Ronald L. Dougherty
Randy Ellis
Bryan A. Erler
Iheanyi E. Eronini
Qi Fan
Thomas Fehring
Michel Fillon
Kader Frendi
Craig Friedrich
Andrés J. García
Reza Ghodssi
Fathi H. Ghorbel
Robert E. Guldberg
Herbert W. Guendel
S. Can Gülen
Saeid R. Habibi
Michael D. Hathaway
William M. Haynes
John B. Heywood
Howard W. Holland
Phil Hopkins
David J. Horsley
Tony Jun Huang
James E. Hubbard
Hector Iacovides
Essam Ibrahim
Vojislav Ilic
Monika Ivantysynova
Daniel S. Janikowski
John Judge
Mansour Karkoub
H. Pirouz Kavehpour
Sanjeev K. Khanna
Ashok Kumar
F. Bruce Kovacs
Venkat Krovi
Harri K. Kyтомaa
Wendy Liс
Yijun Liu
Daniel Livescu
Hongbing Lu
Huangeng Luo
Christopher G. Malone
Robert J. Martinuzzi
Daniel Maynes
Alan G. Mayton
Roger L. McCarthy
Keith McManus
Meyya Meyyappan
Norman Moreau
Tony Norton
Matthew A. Oehlschlager
Carl F. Ollivier-Gooch
Oliver M. O'Reilly
David A. Osage
Zoubeida Ounaies
Nesrin Ozalp
Guillerme Paniagua
Laurent Pilon
James Pillow
Hang Qi
Xiaoping Qian
Roger D. Quinn
Tiruvadi Ravigururajan
Jeffrey F. Rhoads
Daniel Rittel
John Roth
Adrian Sabau
Srinivasa M. Salapaka
Janet M. Sater
Nesrin Sarigul-Klijn
Kausik Sarkar
Sikhandu S. Satapathy
Frank Sattler
George E. Saxon
Korhan Sevenler
Amip Shah
Reza Sheikh
Kamran Siddiqui
Joseph C. Slater
Henry A. Sodano
Rikard Soderberg
Hitoshi Soyama
Sundaresa V. Subramanian
Thomas G. Sugar
Sriram Sundararajan
Dale Swanson
Martin L. Tanaka
Dalin Tang
Andrew C. Taylor
Vikas Tomar
Tetsuo Tomiyama
Steve Tung
Oleg Vasilyev
Vittorio Verda
Ralph J. Volino
Robert Wagner
Fen Wu
Jong-Shinn Wu
Evelyn N. Wang
Hitomi Yamaguchi
Ronggui Yang
Fuh-Gwo Yuan
Xun Yu
John Yu
Xin Zhang
Shiyu Zhou
Liang Zhu
Ting Zhu
Lei Zuo
Min Zou
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 19, 2016
BOG Meeting Date: June 6, 2016

To: Board of Governors
From: Committee on Honors (COH)
Presented by: Judy Vance
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.

Honorary Members and ASME Medalist are considered by the BOG in Executive Session on June 6.

Attached for information is the listing of the COH approved awards for FY16.

Proposed motion for BOG Action:

None

Attachment: Yes
## RECIPIENTS OF ASME HONORS AND AWARDS - 2016

Except as noted below, honors and awards will be bestowed at the International Mechanical Engineering Congress & Exposition in Phoenix, Arizona, November 11-17, 2016

### Achievement Awards

#### EDWIN F. CHURCH MEDAL

Karen A. Thole, Ph.D., Fellow  
Mechanical and Nuclear Engineering Department  
Pennsylvania State University  
137 Reber Building  
University Park, PA 16802-1412  
For the creation and development of the Engineering Ambassadors Network, an innovative program that provides undergraduate students with professional skills and, at the same time, serves as a highly effective mechanism for recruiting women and underrepresented minority students into engineering  
(at the ASME 2016 Education Summit, March 16-19, 2016 at the Westin Harbour in Tampa, Florida)

#### DANIEL C. DRUCKER MEDAL

Kyung-Suk Kim, Ph.D., Member  
School of Engineering  
Brown University  
Barus and Holley Building, Room 606  
182 Hope Street  
Providence, RI, 02912  
For seminal contributions to the field of mechanics of materials through creative research that bridges experiments and mechanics theories to understand the motion and deformation of interfaces as well as the formation and assembly of nanostructures

#### NANCY DELOYE FITZROY AND ROLAND V. FITZROY MEDAL

Evangelos T. Laskaris, Ph.D.  
Chief Engineer, Diagnostics and Biomedical Technologies  
General Electric Global Research Center  
K1- EP 117  
1 Research Circle  
Niskayuna, NY 12309  
For pioneering contributions to the design and construction of superconducting magnets for magnetic resonance imaging systems and energy applications, and for continued efforts to increase affordability and penetration of MRI equipment in underserved regions of the world

#### FLUIDS ENGINEERING AWARD

Patrick J. Roache, Ph.D., Fellow  
1215 Apache Drive  
Socorro, NM  87801-4434  
For pioneering contributions including publishing books on computational fluid dynamics and on verification and validation, and developing the method of manufactured solutions and the grid convergence index  
(ASME 2016 Fluids Engineering Summer Meeting July 10-14, at the Hyatt Regency on Capitol Hill, in Washington, DC)

#### Y.C. FUNG YOUNG INVESTIGATOR AWARD

Triantafyllos Stylianopoulos, Member  
Department of Mechanical and Manufacturing Engineering  
University of Cyprus  
P.O. Box 20537  
1678, Nicosia, Cyprus  
For outstanding research on the fluid and solid mechanics of tumors and on the design of novel drug delivery systems to enhance therapy; and for educating and mentoring students, and contributing to the profession through service activities  
(ASME Summer Bioengineering and Biotransport Conference, June 29–July 2, 2016, at National Harbor, in Baltimore, Maryland)
<table>
<thead>
<tr>
<th>Award Name</th>
<th>Recipient</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>KATE GLEASON AWARD</strong></td>
<td>Helen L. Reed, Ph.D., Fellow</td>
<td>For lifetime achievements in the fundamental understanding and control of boundary layer transition for high-efficiency aerospace vehicles, and in pioneering small satellite design and implementation</td>
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<td>Texas A&amp;M University Aerospace</td>
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<td><strong>MELVIN R. GREEN CODES AND STANDARDS MEDAL</strong></td>
<td>Bernard E. Hrubala, Fellow</td>
<td>For exceptional leadership in ASME Standards and Certification, particularly the advancement and promulgation of the Society's Conformity Assessment programs, the global acceptance of ASME codes and standards, and the implementation of key initiatives that continue to enhance ASME’s position as a world renowned standards development organization</td>
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<td><strong>PATRICK J. HIGGINS MEDAL</strong></td>
<td>Frank Bakos, Member</td>
<td>For outstanding dedication and effectiveness in developing and promoting a broad range of standards spanning geometric dimensioning and tolerancing and engineering specification; and for consensus building leadership in working to align national and international standards development in these areas (2016 ASME Y14 Engineering Drawing and Related Documentation Practices Standards Committee Meeting, May 6, 2016 in Seattle, Washington)</td>
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<td><strong>SOICHIRO HONDA MEDAL</strong></td>
<td>Bahram Khalighi, Ph.D., Fellow</td>
<td>For career efforts that have produced impactful innovations and inventions in the areas of automotive vehicle aerodynamics, thermal management, fluid flows, engine flows and combustion</td>
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<td>Manager General Motors Research</td>
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<td>Laboratory 30500 Mound Rd Warren,</td>
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<td><strong>ALLAN KRAUS THERMAL MANAGEMENT MEDAL</strong></td>
<td>Ravi Mahajan, Ph.D., Fellow</td>
<td>For leadership in establishing and delivering the cooling technology solutions roadmap for high power microprocessors in Mobile, Desktop and Server systems and for developing effective university-industry collaborations to enable advanced experimental and analytical techniques in semiconductor thermal management</td>
</tr>
<tr>
<td></td>
<td>Senior Principal Engineer Intel</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Corporation 333 West Malibu Drive</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chandler, AZ 85248</td>
<td></td>
</tr>
<tr>
<td><strong>GUSTUS L. LARSON MEMORIAL AWARD</strong></td>
<td>Kenneth T. Christensen, Ph.D.,</td>
<td>For outstanding achievements in mechanical engineering within 10 to 20 years following graduation</td>
</tr>
<tr>
<td></td>
<td>Fellow Aerospace and Mechanical</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Engineering Department University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>of Notre Dame 365 Fitzpatrick Hall</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Notre Dame, IN 46556</td>
<td></td>
</tr>
<tr>
<td>Medal Name</td>
<td>Recipient</td>
<td>Institution and Address</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>----------------------------------</td>
<td>------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>H.R. LISSNER MEDAL</td>
<td>Roger C. Haut, Ph.D., Fellow</td>
<td>Orthopaedic Biomechanics Laboratories Michigan State University A407 East Fee Hall 965 Fee Road East Lansing, MI 48824-1316</td>
</tr>
<tr>
<td>M. EUGENE MERCHANT MANUFACTURING MEDAL OF ASME/SME</td>
<td>Jyotirmoy Mazumder, Ph.D., Fellow</td>
<td>Department of Mechanical Engineering University of Michigan 2472 GG Brown Building 2350 Hayward Street Ann Arbor, MI 48109-2125</td>
</tr>
<tr>
<td>VAN C. MOW MEDAL</td>
<td>Beth A. Winkelstein, Ph.D., Fellow</td>
<td>Department of Bioengineering &amp; Neurosurgery University of Pennsylvania 240 Skirkanich Hall 210 South 33rd Street Philadelphia, PA 19104</td>
</tr>
<tr>
<td>NADAI MEDAL</td>
<td>Yonggang Huang, Ph.D.</td>
<td>Department of Mechanical Engineering, Materials Science Engineering, Civil and Environmental Engineering Northwestern University 2145 Sheridan Road Evanston, IL 60208-3109</td>
</tr>
<tr>
<td>SIA NEMAT-NASSER EARLY CAREER AWARD</td>
<td>Lijie G. Zhang, Ph.D.</td>
<td>The George Washington University 726 Phillips Hall, 801 22nd Street, NW Department of Mechanical and Aerospace Engineering Washington, VA 20052</td>
</tr>
</tbody>
</table>
### RUFUS OLDBURGER MEDAL

<table>
<thead>
<tr>
<th>Jean Jacques Emile Slotine, Ph.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical Engineering</td>
</tr>
<tr>
<td>Massachusetts Institute of Technology</td>
</tr>
<tr>
<td>77 Massachusetts Avenue</td>
</tr>
<tr>
<td>Room 3-338</td>
</tr>
<tr>
<td>Cambridge, MA 02139</td>
</tr>
<tr>
<td><strong>For significant contributions to control theory of nonlinear systems and robotics through seminal work on sliding mode control, adaptive nonlinear control and contraction analysis, which have influenced engineers and scientists worldwide (ASME 2016 Dynamic Systems and Control (DSC) Conference will be held October 12-14, 2016 in Minneapolis, Minnesota)</strong></td>
</tr>
</tbody>
</table>

### OLD GUARD EARLY CAREER AWARD

<table>
<thead>
<tr>
<th>Nathaniel D. Taylor, Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rowan University</td>
</tr>
<tr>
<td>1395 Williams Grove Road</td>
</tr>
<tr>
<td>Mechanicsburg, PA 17055 <strong>(home address)</strong></td>
</tr>
<tr>
<td><strong>For more than eight years of inspirational leadership within ASME that has had an impact on young engineers; and for extraordinary qualifications for a career in academia that will have a long-term impact on the profession</strong></td>
</tr>
</tbody>
</table>

### PI TAU SIGMA GOLD MEDAL

<table>
<thead>
<tr>
<th>David Henann, Ph.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical Engineering</td>
</tr>
<tr>
<td>Brown University</td>
</tr>
<tr>
<td>Barus and Holley, Room 604</td>
</tr>
<tr>
<td>Providence, RI 02912</td>
</tr>
<tr>
<td><strong>For outstanding achievements in mechanical engineering within 10 years of graduation</strong></td>
</tr>
</tbody>
</table>

### AMES HARRY POTTER GOLD MEDAL

<table>
<thead>
<tr>
<th>Derek Bradley, Ph.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical Engineering</td>
</tr>
<tr>
<td>Leeds University</td>
</tr>
<tr>
<td>186 A660, Woodhouse Lane</td>
</tr>
<tr>
<td>Leeds LS2 9JT</td>
</tr>
<tr>
<td>England, United Kingdom</td>
</tr>
<tr>
<td><strong>For outstanding contributions to the fundamental and applied developments on lean combustion and thermodynamic performance, which has resulted in improved design of engines and power plants; and for lifelong dedication to the education to students</strong></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Artin A. Demenjian, Fellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>2627 North Douglas Avenue</td>
</tr>
<tr>
<td>Arlington Heights, IL 60004</td>
</tr>
<tr>
<td><strong>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 and maintenance of nuclear power plants worldwide (2016 ASME Pressure Vessels &amp; Piping Conference, July 17-21, 2016 at the Hyatt Regency Vancouver in Vancouver, BC, Canada)</strong></td>
</tr>
</tbody>
</table>

### DIXY LEE RAY AWARD

<table>
<thead>
<tr>
<th>Jerald L. Schnoor, Ph.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Civil and Environmental Engineering</td>
</tr>
<tr>
<td>University of Iowa</td>
</tr>
<tr>
<td>4119 Seamans Center</td>
</tr>
<tr>
<td>Iowa City, IA 52242</td>
</tr>
<tr>
<td><strong>For groundbreaking research on phytoremediation that led to the cost-effective degradation of organic chemicals in the environment; for research and practice leading to more sustainable water supplies; and for modeling the effects of acid precipitation that contributed to the passage of the Clean Air Act of 1990</strong></td>
</tr>
<tr>
<td>Award Name</td>
</tr>
<tr>
<td>------------------------------------------------</td>
</tr>
<tr>
<td>CHARLES RUSS RICHARDS MEMORIAL AWARD</td>
</tr>
<tr>
<td>RALPH COATS ROE MEDAL</td>
</tr>
<tr>
<td>SAFETY CODES AND STANDARDS MEDAL</td>
</tr>
<tr>
<td>SAVIO L-Y. WOO TRANSLATIONAL BIOMECHANICS MEDAL</td>
</tr>
<tr>
<td>R. TOM SAWYER AWARD</td>
</tr>
<tr>
<td>MILTON C. SHAW MANUFACTURING RESEARCH MEDAL</td>
</tr>
<tr>
<td>---------------------------------------------</td>
</tr>
<tr>
<td><strong>Steven Y. Liang</strong>, Ph.D., Fellow</td>
</tr>
<tr>
<td>George W. Woodruff School of Mechanical</td>
</tr>
<tr>
<td>Engineering</td>
</tr>
<tr>
<td>Georgia Institute of Technology</td>
</tr>
<tr>
<td>813 Ferst Drive, Room 439</td>
</tr>
<tr>
<td>Atlanta, GA 30332-0405</td>
</tr>
<tr>
<td><strong>For significant contributions to manufacturing science and technology through studies on physics-based analysis and modeling of machining and grinding processes (ASME International Manufacturing Science and Engineering Conference (MSEC2016) June 27-July 1, 2016, at Virginia Tech, in Blacksburg, Virginia)</strong></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>BEN C. SPARKS MEDAL</th>
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<tbody>
<tr>
<td><strong>Allen H. Hoffman</strong>, Ph.D., P.E., Fellow</td>
</tr>
<tr>
<td>Department of Mechanical Engineering</td>
</tr>
<tr>
<td>Worcester Polytechnic Institute</td>
</tr>
<tr>
<td>Higgins Laboratory</td>
</tr>
<tr>
<td>100 Institute Road</td>
</tr>
<tr>
<td>Worcester, MA 01609-2280</td>
</tr>
<tr>
<td><strong>For long-term leadership in the development and implementation of the WPI Plan, an undergraduate project-based, experiential design education curriculum; and for numerous publications that describe the methods and outcomes of student projects that solve real-world problems (ASME 2016 Education Summit, March 12-14, 2016, at the Hyatt Regency Hotel in Newport Beach, CA)</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RUTH AND JOEL SPIRA OUTSTANDING DESIGN EDUCATOR AWARD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Kathryn W. Jablowski</strong>, Ph.D., Fellow</td>
</tr>
<tr>
<td>Department of Mechanical Engineering and Engineering Design</td>
</tr>
<tr>
<td>The Pennsylvania State University</td>
</tr>
<tr>
<td>30 East Swedesford Road</td>
</tr>
<tr>
<td>Malvern, PA 19355</td>
</tr>
<tr>
<td><strong>For significant and sustained contributions to design education and innovation research, design education in residence and online programs, and the development of a new multidisciplinary engineering design degree program (Design Engineering Technical Conferences (IDETC/CIE), August 21-24, 2016, in Charlotte, North Carolina)</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ROBERT HENRY THURSTON LECTURE AWARD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Romesh C. Batra</strong>, Ph.D., Fellow</td>
</tr>
<tr>
<td>Department of Engineering Science and Mechanics</td>
</tr>
<tr>
<td>Virginia Polytechnic Institute and State University</td>
</tr>
<tr>
<td>333 East Norris Hall</td>
</tr>
<tr>
<td>Mail Code 0219</td>
</tr>
<tr>
<td>Blacksburg, VA 24061-0001</td>
</tr>
<tr>
<td><strong>For outstanding contributions to the understanding of the physics of adiabatic shear banding phenomenon including proposing shear band initiation criterion, thermomechanical material models and shear band width definition, and delineating the effects of material parameters on its acceleration and deceleration</strong></td>
</tr>
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<table>
<thead>
<tr>
<th>GEORGE WESTINGHOUSE GOLD MEDAL</th>
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<tbody>
<tr>
<td><strong>Kenneth N. C. Bray</strong>, Ph.D.</td>
</tr>
<tr>
<td>23 De Freville Avenue</td>
</tr>
<tr>
<td>Cambridge, CB4 1HW</td>
</tr>
<tr>
<td>United Kingdom</td>
</tr>
<tr>
<td><strong>For outstanding and lasting contributions to the power field through fundamental research and novel combustion model development that have significantly improved the efficiency and performance of gas turbine combustors; and for significant educational contributions that have produced world-class engineers and scientists</strong></td>
</tr>
<tr>
<td>SILVER</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Elia Merzari, Ph.D., Member</strong></td>
</tr>
<tr>
<td>Argonne National Laboratory</td>
</tr>
<tr>
<td>9700 South Cassette Avenue</td>
</tr>
<tr>
<td>Building #208</td>
</tr>
<tr>
<td>Lemont, IL 60439</td>
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</tbody>
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<table>
<thead>
<tr>
<th>HENRY R. WORTHINGTON MEDAL</th>
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<tbody>
<tr>
<td><strong>Bruno Schiavello, Member</strong></td>
<td>For four decades of technical leadership in the pump industry through contributions to hydraulic research, design and innovative technical solutions; for specific studies in the field of cavitation that are referenced in scientific literature; and for promoting scientific knowledge dissemination as lead organizer of ASME’s Pumping Machinery symposia over the last decade</td>
</tr>
<tr>
<td>Director, Advanced Technology Pumps</td>
<td></td>
</tr>
<tr>
<td>Flowserve Corporation</td>
<td></td>
</tr>
<tr>
<td>1480 Valley Center Parkway</td>
<td></td>
</tr>
<tr>
<td>Bethlehem, PA 18017</td>
<td></td>
</tr>
</tbody>
</table>
### FREEMAN SCHOLAR AWARD

| Goodarz Ahmadi, Ph.D., Fellow | For the paper titled “Particle Transport, Deposition and Removal - Environmental and Biological Applications”  
(ASME 2016 Fluids Engineering Summer Meeting 
July 10-14, at the Hyatt Regency on Capitol Hill, in Washington, DC) |
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Department of Mechanical and Aeronautical Engineering</td>
<td></td>
</tr>
<tr>
<td>Clarkson University</td>
<td></td>
</tr>
<tr>
<td>Box 5725</td>
<td></td>
</tr>
<tr>
<td>Potsdam, NY 13699</td>
<td></td>
</tr>
</tbody>
</table>

### GAS TURBINE AWARD

<table>
<thead>
<tr>
<th>Robert P. Grewe, Dr.-Ing.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Siemens, Power &amp; Gas Division</td>
</tr>
<tr>
<td>Large Gas Turbines, Engineering, Aerodynamics and Methods</td>
</tr>
<tr>
<td>Mellinghofer Street 55</td>
</tr>
<tr>
<td>45473 Muelheim an der Ruhr</td>
</tr>
<tr>
<td>Germany</td>
</tr>
<tr>
<td>Robert J. Miller, Ph.D.</td>
</tr>
<tr>
<td>Department of Engineering</td>
</tr>
<tr>
<td>Whittle Laboratory</td>
</tr>
<tr>
<td>University of Cambridge</td>
</tr>
<tr>
<td>1 JJ Thomson Avenue</td>
</tr>
<tr>
<td>Cambridge</td>
</tr>
<tr>
<td>United Kingdom, CB3ODY</td>
</tr>
<tr>
<td>Howard P. Hodson, Member</td>
</tr>
<tr>
<td>Whittle Laboratory</td>
</tr>
<tr>
<td>Department of Engineering</td>
</tr>
<tr>
<td>University of Cambridge</td>
</tr>
<tr>
<td>Madingley Road, CB3 0DS</td>
</tr>
<tr>
<td>Cambridge, United Kingdom</td>
</tr>
</tbody>
</table>

For the paper titled “The Effect of Endwall Manufacturing Variations on Turbine Performance”  
(ASME TurboExpo, Turbomachinery Technical Conference & Exposition, June 13-16, 2016, COEX Convention & Exhibition Center, in Seoul, South Korea)

### MELVILLE MEDAL

<table>
<thead>
<tr>
<th>Xianbo Liu</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Key Laboratory of Mechanical System and Vibration, School of Mechanical Engineering</td>
</tr>
<tr>
<td>Shanghai Jiao Tong University</td>
</tr>
<tr>
<td>Shanghai 200240</td>
</tr>
<tr>
<td>China</td>
</tr>
<tr>
<td>Nicholas Vlajic, Member</td>
</tr>
<tr>
<td>Department of Mechanical Engineering</td>
</tr>
<tr>
<td>University of Maryland</td>
</tr>
<tr>
<td>2181 Martin Hall</td>
</tr>
<tr>
<td>College Park, MD 20742</td>
</tr>
<tr>
<td>Xinhua Long, Member</td>
</tr>
<tr>
<td>State Key Laboratory of Mechanical System and Vibration, School of Mechanical Engineering, Shanghai Jiao Tong University, Shanghai 200240</td>
</tr>
<tr>
<td>China</td>
</tr>
</tbody>
</table>

For the paper titled “State-Dependent Delay Influenced Drill-String Oscillations and Stability Analysis”
| **Guang Meng**  
State Key Laboratory of Mechanical  
System and Vibration,  
School of Mechanical Engineering,  
Shanghai Jiao Tong University,  
Shanghai 200240  
China |
|---|
| **Balakumar Balachandran, Ph.D., Fellow**  
Department of Mechanical Engineering  
University of Maryland  
2181 Martin Hall  
College Park, MD 20742-3035 |

**WORCESTER REED WARNER MEDAL**

| **Isaac Elishakoff, Ph.D., Fellow**  
Department of Ocean and Mechanical Engineering  
Florida Atlantic University  
777 Glades Road  
Boca Raton, FL 33431-0991 |
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>For seminal contributions to the permanent literature of engineering research through highly praised books on probabilistic theory of structures, elastic stability, the stochastic finite element method, safety factors and reliability of composite structures; and numerous breakthrough research papers over the past 40 years</td>
</tr>
</tbody>
</table>

**PRIME MOVERS AWARD**

| **Professor Feng Weizhong**  
General Manager of Shanghai Waigaoqiao No. 3 Electric Power Generation Co., Ltd No. 1281, Haixu Road  
Pudong New Area  
Shanghai, China 200137 |
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>For the paper titled “Developing Green, Highly Efficient Coal-Fired Power Technologies” <em>(Power &amp; Energy Conference &amp; Exhibition June 26-30, 2016, in Charlotte, North Carolina)</em></td>
</tr>
</tbody>
</table>

**ARTHUR L. WILLISTON MEDAL**

| **Leong Ka Long Karen, Member**  
Flat B, 12/F, Block 1  
Jubilee Garden, Fo Tan  
Hong Kong |
|---|
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 18, 2016
BOG Meeting Date: June 6, 2016

To: Board of Governors
From: (Sector/Unit/Task Force/Other) Committee on Organization and Rules
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 12, 2016.

Proposed motion for BOG Action: (if appropriate)

Approve the proposed appointments.

Attachments:

Appointment listing.
### JUNE 2016
### PROPOSED APPOINTMENTS

<table>
<thead>
<tr>
<th>External 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>ABET Board of Delegates</td>
<td>William Wepfer</td>
<td>Member</td>
<td>10/2016-9/2019</td>
<td>Initial</td>
<td>Current: Chair, Mechanical Engineering, Georgia Tech</td>
</tr>
<tr>
<td>Percy Nichols Board of Award</td>
<td>Lilia Melegos Papadopoulos</td>
<td>Member</td>
<td>4/2016-12/2021</td>
<td>Initial</td>
<td>Current: Chair for ASME Combined Cycle Committee</td>
</tr>
<tr>
<td>Sperry Board of Award</td>
<td>Elizabeth Lawrence</td>
<td>Member</td>
<td>1/2016-12/2019</td>
<td>Initial</td>
<td>Current: Hoover Medal Board of Award</td>
</tr>
<tr>
<td>Internal Unit</td>
<td>Nominee</td>
<td>Appointment Position/ Title</td>
<td>Appointment Term/Category</td>
<td>Appointment Type</td>
<td>History</td>
</tr>
<tr>
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</tr>
<tr>
<td>Committee on Finance and Investment</td>
<td>Robert Pangborn</td>
<td>Member</td>
<td>7/2016-6/2019</td>
<td>Reappointment</td>
<td>Current: Committee on Finance and Investment</td>
</tr>
<tr>
<td>Committee on Finance and Investment</td>
<td>Victoria Rockwell</td>
<td>Chair</td>
<td>7/2016-6/2019</td>
<td>Reappointment</td>
<td>Current: Committee on Finance and Investment</td>
</tr>
<tr>
<td>Committee on Honors</td>
<td>David Bogy</td>
<td>Member</td>
<td>7/2016-6/2019</td>
<td>Initial</td>
<td>Past: Applied Mechanics Division Chair</td>
</tr>
</tbody>
</table>