



Two Park Avenue

tel 1.212.591.7000

New York, NY

fax 1.212.591.7674

10016-5990 U.S.A.

www.asme.org

**DRAFT AGENDA  
2015-2016 BOARD OF GOVERNORS**

**Date & Time:** Monday, June 6, 2016  
2:00 PM – 4:30 PM\*

**Location:** Medallion AB  
The Seelbach Hilton  
Louisville, KY

**1. Opening of the Meeting**

2:00 PM – 2:05 PM

1.1. Call to Order Julio Guerrero

1.2. Adoption of the Agenda Julio Guerrero ACTION  
A motion should be made to accept the Agenda as circulated on May 20, 2016

1.3. Announcements and Recognition of Special Guests Julio Guerrero

**2. Discussion Items**

2:05 PM – 3:55 PM

2.1. Committee of the Whole Julio Guerrero ACTION  
A motion should be made to approve going “as if in Committee of the Whole,” where open discussion is permitted and only a memo of issues discussed by topic is maintained by the Secretary.

2.2. Report on Closed Session (5 minutes)  
INFORMATION  
Julio Guerrero

2.3. Strategy Update from Closed Session (15 minutes) INFORMATION  
John Goossen

2.4. SMC Report (10 minutes) INFORMATION  
Keith Roe  
(Agenda Appendix 4.1.1)

2.5. Member Insurance Program Update (15 minutes) SUBSEQUENT ACTION  
Michael Ireland and William Garofalo  
(Agenda Appendix 2.5)

2.6. Reflections on Past Year (15 minutes) INFORMATION  
Julio Guerrero

**\*Closed Session planned for 9:00 AM – 12:00 PM. A separate agenda will be sent to those invited to attend.**

## 2015-2016 Board of Governors-Agenda

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- 2.7. Comments from Outgoing Board Members and Senior Vice President INFORMATION  
(20 minutes) Julio Guerrero

Break: Including Photo of 2015-2016 Board (20 minutes)

- 2.8. Discussion of committee on strategy and planning (30 minutes) INFORMATION  
Julio Guerrero and Elena Gerstmann

### 3. Action Items

4:15 PM – 4:20 PM

#### 3.1 Motion to Return to Formal Session

A motion should be made to move out “as if in Committee of the Whole.”

- 3.1.1 Member Insurance Program Update ACTION  
Michael Kreisberg and William Garofalo  
(Agenda Appendix 2.5)

### 4. Consent Calendar

4:20 PM – 4:25 PM

The Consent Calendar is limited to items of a routine or non-controversial nature, grouped together to save Board time. Consent Items for Receipt are report items for information, followed by Consent Items for Action that the Board is asked to take action on as a group.

Governors are encouraged to contact ASME Headquarters with their questions prior to the meeting as it is not expected that Consent Receipt or Action items are to be removed from the Agenda. Reports, whether for information or action, are to be in writing and part of the Consent Calendar, unless otherwise approved by the President.

#### 4.1 Consent Items for Receipt

- 4.1.1 Sector Management Committee Report INFORMATION  
Keith Roe  
(Agenda Appendix 4.1.1)

- 4.1.2 CY15 Fellows Listing INFORMATION  
Judy Vance  
(Agenda Appendix 4.1.2)

- 4.1.3 Approved Society Awards Listing INFORMATION  
Judy Vance  
(Agenda Appendix 4.1.3)

- 4.1.4 Motion for Receipt ACTION

#### 4.2 Consent Items for Action

- 4.2.1 Identification of Items to be removed from Consent Calendar  
Any action items to be removed from Consent Calendar by request from any member of the Board of Governors.

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4.2.2 Approval of Minutes from Meeting on April 14-15, 2016

4.2.3 Proposed Appointments

Larry Luna  
 (Agenda Appendix 4.2.3)

4.2.4 Dates of Future Meetings

<b>DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>LOCATION</b>
June 8, 2016 (a)	Wednesday	10:00 AM – 3:00 PM (ET)	Louisville, KY
October 2016 (a)	TBD	TBD	Web conference
November 12, 2016 (a)	Saturday	8:30 AM – 4:30 PM (MT)	Phoenix, AZ
February 9, 2017 (a)	Thursday	12:00 PM – 2:00 PM (ET)	Web conference
April 20, 2017 (a)	Thursday	1:00 PM – 5:00 PM (ET)	New York, NY
April 21, 2017 (a)	Friday	8:00 AM – 1:00 PM (ET)	New York, NY
June 11, 2017 (a)	Sunday	9:30 AM – 4:30 PM (PT)	Newport Beach, CA
June 14, 2017 (b)	Wednesday	10:00 AM- 3:00 PM (PT)	Newport Beach, CA

(a) 2016-2017 Board of Governors (b) 2017-2018 Board of Governors

BOG Retreat will take place July 12-15, 2016 in Hamilton, Bermuda.

4.3 Motion for Consent Action

ACTION

**5. Contingency Time for Discussion and Other Business**

Subject to the President's discretion, Contingency Time may be used for discussion of items pulled from the Consent Calendar and Other Business.

**6. Adjournment**

4:30 PM

## **2015-2016 Board of Governors-Agenda**

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### **List of Appendices**

- 2.5 Member Insurance Program Update
- 4.1.1 Sector Management Committee Report
- 4.1.2 CY15 Fellows Listing
- 4.1.3 Approved Society Awards Listing
- 4.2.3 Proposed Appointments

**ASME Board of Governors  
Agenda Item  
Cover Memo**

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

**To: Board of Governors**  
**Presented by: Michael Ireland and William Garofalo**  
**Agenda Title: Member Insurance Program Update**

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

To increase participation in the insurance program through increased membership and engagement, we are seeking approval of a \$1M withdrawal from the Dividends on Deposit fund.

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

To approve 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.

**Attachments:**

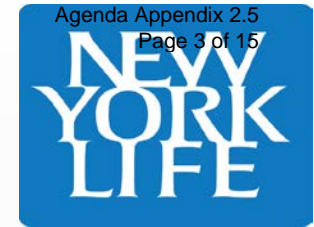
PowerPoint attached.



# **ASME Insurance Program Member Benefit**

**Presentation to the BOG  
June 6, 2016**

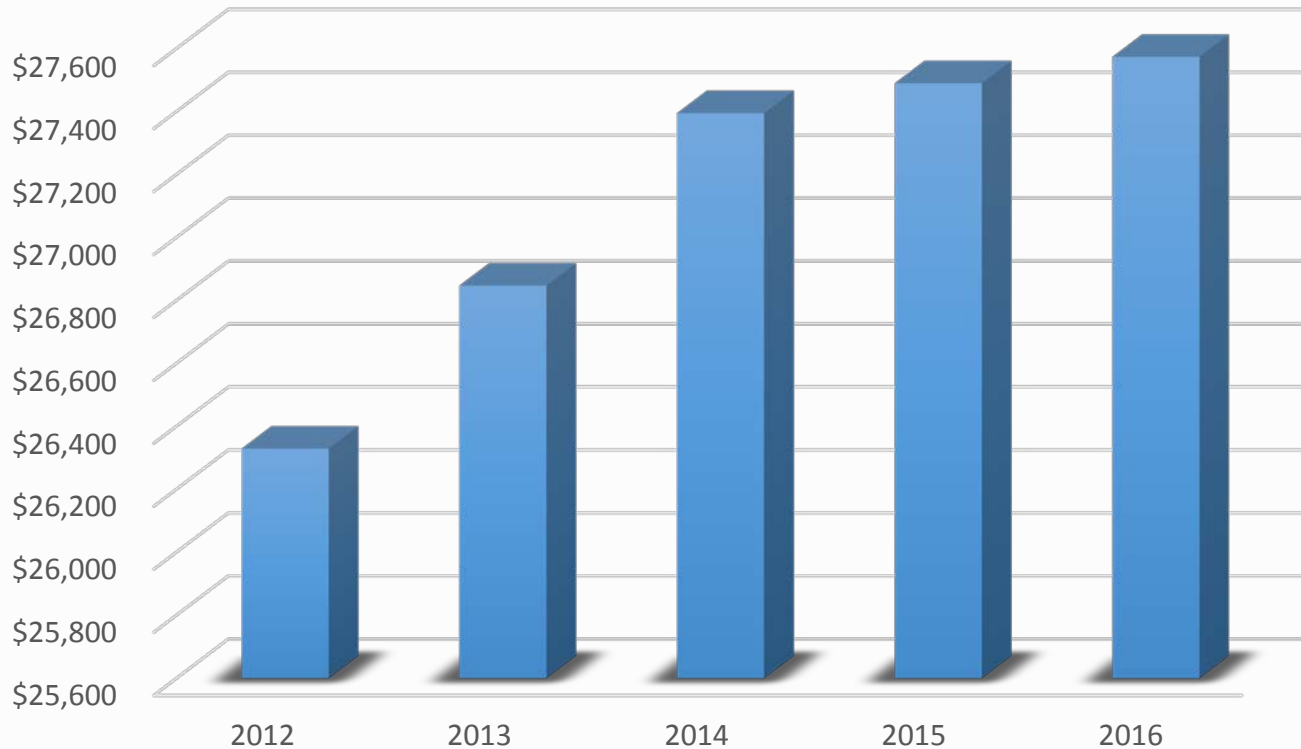
# History & Overview:



- 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)





...and more than 1/3 of Eligible Members participate...

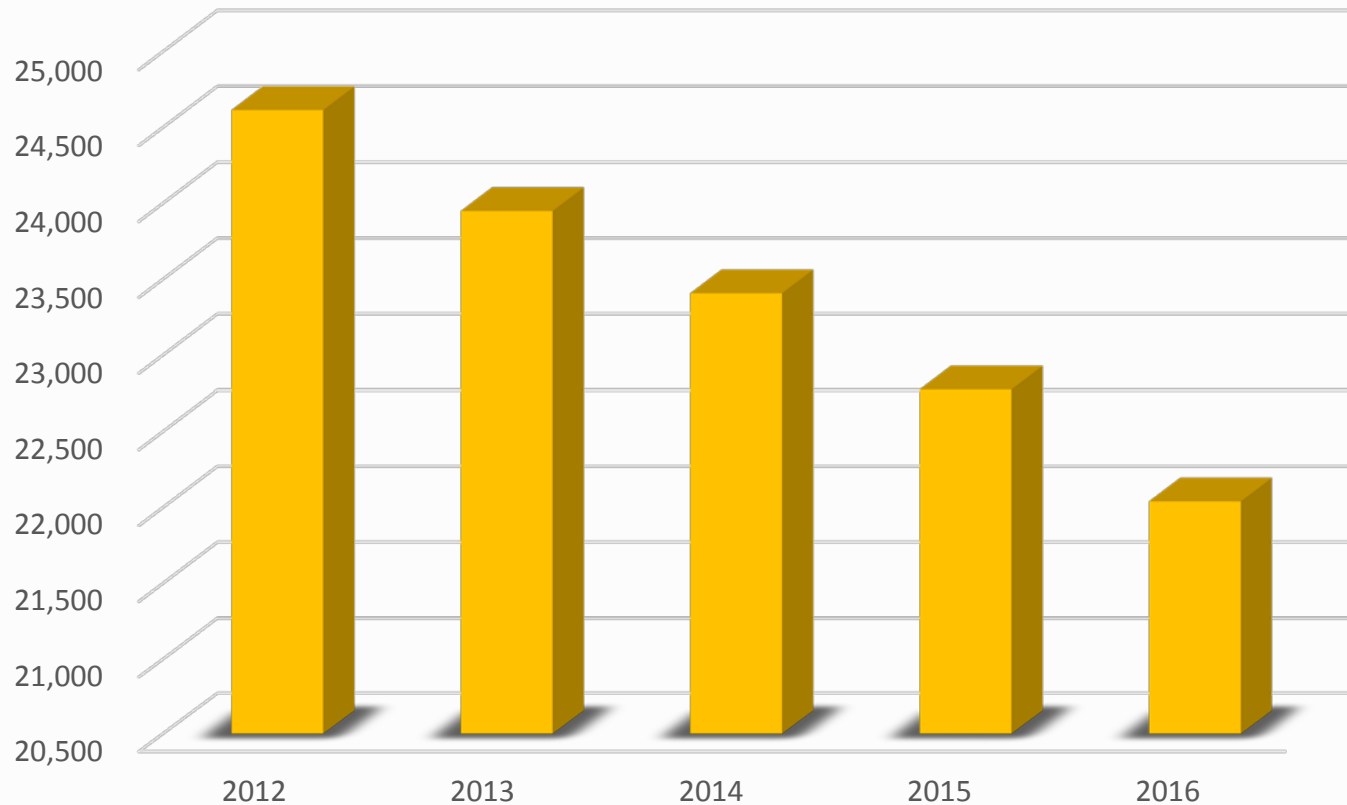
**59,000 ASME  
Members are  
eligible to apply  
for an insurance  
product\***



\* Professional Members who are US Residents as of 12/31/2015

# ...but participation has been dropping:

## Insurance Policies in Effect



# Annual Insured Comparison

Plan	Anv. Date	1/1/2008	1/1/2009	1/1/2010	1/1/2011	1/1/2012	1/1/2013	1/1/2014	1/1/2015	1/1/2016
Annual Renewable Term Life	5/1	19,492	18,853	18,071	17,273	16,543	15,706	14,931	14,187	13,387
Auto Benefit Increase Life	5/1	0	155	249	298	331	338	342	330	307
Joint Term Life	5/1	63	62	56	55	54	50	47	46	41
10-Year Term Life	5/1	159	252	321	380	430	506	563	645	654
20-Year Term Life	5/1	4	12	21	38	47	57	66	82	91
Cancer	Various	1,142	986	1,026	998	947	912	860	821	777
Discount Dental (Frozen)	1/1	53	54	39	33	30	28	25	24	22
Standard Dental	5/1	0	22	22	23	29	23	16	13	12
Enhanced Dental	5/1	0	22	43	58	64	88	111	137	133
Dental Indemnity	6/1	0	0	0	0	0	20	31	40	47
Disability Income	6/1	1,977	1,876	1,787	1,698	1,588	1,496	1,394	1,352	1,214
Accidental Death	1/1	1,557	1,530	1,485	1,364	1,382	1,353	1,497	1,518	1,594
Excess Major Medical	6/1	658	604	564	527	486	455	420	388	351
Catastrophic Disability	9/1	78	73	72	71	67	65	65	58	57
Short Term Recovery	1/1	13	22	30	33	53	73	102	120	121
Health Insurance Mart	N/A	0	0	2	16	24	23	23	0	24
Medicare Supplement	N/A	239	234	241	267	263	267	269	279	285
Auto and Home	N/A	911	957	1,179	1,207	1,314	1,518	1,593	1,662	1,644
Professional Liability	N/A	173	171	180	171	167	180	190	191	201
Long Term Care	N/A	817	821	810	808	767	765	836	855	958
Pet Insurance	N/A	0	0	0	12	13	13	13	13	11
Discount Prescription	N/A	0	0	0	0	0	0	0	0	0
International Travel	N/A	0	0	0	0	0	0	0	0	0
Travel Assistance	N/A	0	0	0	17	20	15	15	15	111
ID Theft	N/A	0	0	0	0	0	0	0	0	0
<b>TOTAL INSUREDS</b>		<b>26,519</b>	<b>26,706</b>	<b>26,198</b>	<b>25,318</b>	<b>24,619</b>	<b>23,951</b>	<b>23,409</b>	<b>22,776</b>	<b>22,042</b>

Free Life Policies	0	0	0	0	0	4,672	5,167	6,463	1,120	
<b>UNIQUE INSUREDS</b>						<b>19,361</b>	<b>23,758</b>	<b>24,362</b>	<b>25,109</b>	<b>19,791</b>

## More than 7,000 policies have lapsed since 2008

- Age is playing a significant factor in terminated policies
  - 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



\* 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



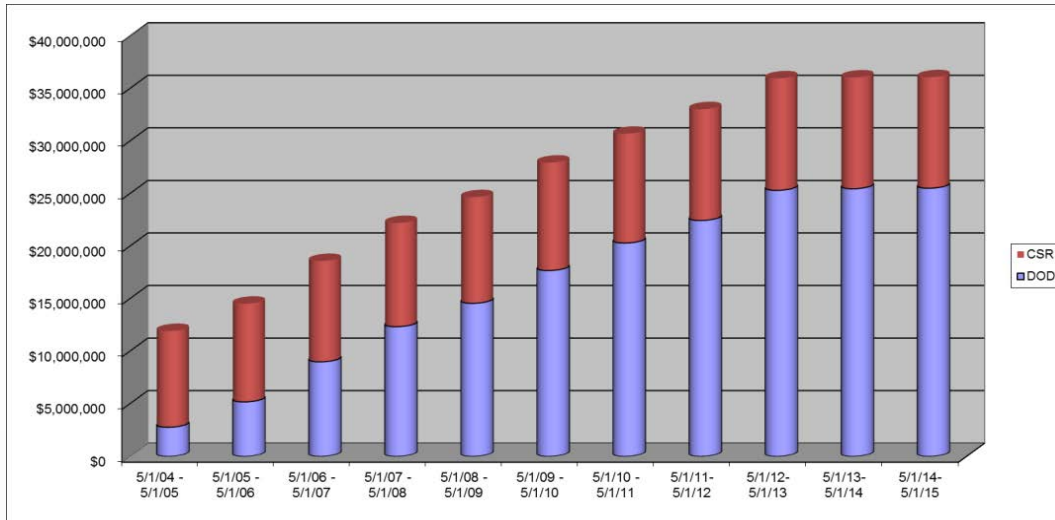
	5/1/00 - 5/1/01	5/1/01 - 5/1/02	5/1/02 - 5/1/03	5/1/03 - 5/1/04	5/1/04 - 5/1/05	5/1/05 - 5/1/06	5/1/06 - 5/1/07	5/1/07 - 5/1/08	5/1/08 - 5/1/09	5/1/09 - 5/1/10	5/1/10 - 5/1/11	5/1/11-5/1/12	5/1/12-5/1/13	5/1/13-5/1/14	5/1/14-5/1/15
Beginning Balance	\$5,838,590	\$4,426,397	\$1,690,671	\$0	\$1,005,494	\$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	\$7,574,960	\$8,553,570	\$8,110,259	\$8,312,305	\$9,376,086	\$6,775,621	\$6,638,662
Withdrawals	(\$5,251,791)	(\$4,426,397)	(\$1,690,671)	\$0	(\$1,005,494)	(\$2,774,711)	(\$5,135,229)	(\$6,014,586)	(\$5,353,236)	(\$5,431,256)	(\$5,496,445)	(\$6,163,771)	(\$6,512,340)	(\$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	\$25,518,414

## 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	\$10,586,074	\$10,654,376	\$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%	50.2%	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	5/1/15 - 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



**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%



## 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**

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

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**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**

**Sector Management Committee (SMC)  
Report to the Board of Governors  
May 13, 2016**

**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>  
<https://www.facebook.com/ASME-Power-and-Energy-1516026768691681/>
- 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 9<sup>th</sup>. 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 4<sup>th</sup> Future Engineers Challenge was launched on April 16<sup>th</sup> 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 4<sup>th</sup> at Joseph Cavallaro Middle School in Brooklyn, NY; the program will be honored overall at an EverFi-supported STEM event on May 19<sup>th</sup> 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 interest 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:

- 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
- 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.
- 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:
  - Public Information is working on two (2) articles,
  - Energy Sources market segment team is in progress to develop a series of articles cover Solar Energy,
  - FutureME Program Grant article

- Three (3) articles about DAG projects

### **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.

**ASME Board of Governors  
Agenda Item  
Cover Memo**

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**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

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**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

ASME Fellows 2015

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



**ASME Board of Governors  
Agenda Item  
Cover Memo**

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**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

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**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**

<p><u>Karen A. Thole</u>, Ph.D., Fellow Mechanical and Nuclear Engineering Department Pennsylvania State University 137 Reber Building University Park, PA 16802-1412</p>		<p>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 <b>(at the ASME 2016 Education Summit, March 16-19, 2016 at the Westin Harbour in Tampa, Florida)</b></p>
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**DANIEL C. DRUCKER MEDAL**

<p><u>Kyung-Suk Kim</u>, Ph.D., Member School of Engineering Brown University Barus and Holley Building, Room 606 182 Hope Street Providence, RI, 02912</p>		<p>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</p>
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**NANCY DELOYE FITZROY AND ROLAND V. FITZROY MEDAL**

<p><u>Evangelos T. Laskaris</u>, Ph.D. Chief Engineer, Diagnostics and Biomedical Technologies General Electric Global Research Center K1- EP 117 1 Research Circle Niskayuna, NY 12309</p>		<p>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</p>
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**FLUIDS ENGINEERING AWARD**

<p><u>Patrick J. Roache</u>, Ph.D., Fellow 1215 Apache Drive Socorro, NM 87801-4434</p>		<p>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 <b>(ASME 2016 Fluids Engineering Summer Meeting July 10-14, at the Hyatt Regency on Capitol Hill, in Washington. DC)</b></p>
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**Y.C. FUNG YOUNG INVESTIGATOR AWARD**

<p><u>Triantafyllos Stylianopoulos</u>, Member Department of Mechanical and Manufacturing Engineering University of Cyprus P.O. Box 20537 1678, Nicosia, Cyprus</p>		<p>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 <b>(ASME Summer Bioengineering and Biotransport Conference, June 29-July 2, 2016, at National Harbor, in Baltimore, Maryland)</b></p>
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### KATE GLEASON AWARD

<p><u>Helen L. Reed</u>, Ph.D., Fellow Texas A&amp;M University Aerospace Engineering 602B HR Bright Building 3141 TAMU College Station, TX 77843-3141</p>		<p>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</p>
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### MELVIN R. GREEN CODES AND STANDARDS MEDAL

<p><u>Bernard E. Hrubala</u>, Fellow 13 Clavet Place Vernon Rockville, CT 06066 (home)</p>		<p>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</p>
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### PATRICK J. HIGGINS MEDAL

<p><u>Frank Bakos</u>, Member 1622 Forest Hill Road Maryville, TN 37803</p>		<p>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 <b>(2016 ASME Y14 Engineering Drawing and Related Documentation Practices Standards Committee Meeting, May 6, 2016 in Seattle, Washington)</b></p>
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### SOICHIRO HONDA MEDAL

<p><u>Bahram Khalighi</u>, Ph.D., Fellow Manager General Motors Research Laboratory 30500 Mound Rd Warren, MI 48092</p>		<p>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</p>
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### ALLAN KRAUS THERMAL MANAGEMENT MEDAL

<p><u>Ravi Mahajan</u>, Ph.D., Fellow Senior Principal Engineer Intel Corporation 333 West Malibu Drive Chandler, AZ 85248</p>		<p>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</p>
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### GUSTUS L. LARSON MEMORIAL AWARD

<p><u>Kenneth T. Christensen</u>, Ph.D., Fellow Aerospace and Mechanical Engineering Department University of Notre Dame 365 Fitzpatrick Hall Notre Dame, IN 46556</p>		<p>For outstanding achievements in mechanical engineering within 10 to 20 years following graduation</p>
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**H.R. LISSNER MEDAL**

<p><u>Roger C. Haut</u>, Ph.D., Fellow Orthopaedic Biomechanics Laboratories Michigan State University A407 East Fee Hall 965 Fee Road East Lansing, MI 48824-1316</p>		<p>For long-term bioengineering contributions through the development and implementation of innovative methods of basic engineering science to the fields of impact trauma and orthopaedics (<b>ASME Summer Bioengineering and Biotransport Conference, June 29–July 2, 2016, at National Harbor, in Baltimore, Maryland</b>)</p>
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**M. EUGENE MERCHANT MANUFACTURING MEDAL OF ASME/SME**

<p><u>Jyotirmoy Mazumder</u>, Ph.D., Fellow Department of Mechanical Engineering University of Michigan 2472 GG Brown Building 2350 Hayward Street Ann Arbor, MI 48109-2125</p>		<p>For outstanding contributions to manufacturing operations, particularly productivity and quality improvements, as a creative inventor, foremost scholar and educator, prolific author, scientist and pioneering leader in quality assured manufacturing and closed-loop metallic additive manufacturing (<b>3D Manufacturing Event May 16-19, 2016, in Orlando, Florida</b>)</p>
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**VAN C. MOW MEDAL**

<p><u>Beth A. Winkelstein</u>, Ph.D., Fellow Department of Bioengineering &amp; Neurosurgery University of Pennsylvania 240 Skirkanich Hall 210 South 33<sup>rd</sup> Street Philadelphia, PA 19104</p>		<p>For scholarly contributions through research dedicated to elucidating the mechanisms of subfailure cervical spine injuries and the cellular events surrounding the etiology of chronic pain; and for dedication as an educator and mentors, and in service to the profession (<b>ASME Summer Bioengineering and Biotransport Conference, June 29–July 2, 2016, at National Harbor, in Baltimore, Maryland</b>)</p>
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**NADAI MEDAL**

<p><u>Yonggang Huang</u>, Ph.D. Department of Mechanical Engineering, Materials Science Engineering, Civil and Environmental Engineering Northwestern University 2145 Sheridan Road Evanston, IL 60208-3109</p>		<p>For fundamental and applied contributions to transient electronics and materials</p>
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**SIA NEMAT-NASSER EARLY CAREER AWARD**

<p><u>Lijie G. Zhang</u>, Ph.D. The George Washington University 726 Phillips Hall, 801 22nd Street, NW Department of Mechanical and Aerospace Engineering Washington, VA 20052</p>		<p>For pioneering research in tissue engineering and biomechanics for the development of novel biologically inspired nanomaterials; and for research in the integration of nanobiomaterials with advanced 3-D bioprinting for complex tissue and organ regeneration</p>
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**RUFUS OLDENBURGER MEDAL**

<p><u>Jean Jacques Emile Slotine</u>, Ph.D. Department of Mechanical Engineering Massachusetts Institute of Technology 77 Massachusetts Avenue Room 3-338 Cambridge, MA 02139</p>		<p>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 <b>(ASME 2016 Dynamic Systems and Control (DSC) Conference will be held October 12-14, 2016 in Minneapolis, Minnesota)</b></p>
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**OLD GUARD EARLY CAREER AWARD**

<p><u>Nathaniel D. Taylor</u>, Member Rowan University 1395 Williams Grove Road Mechanicsburg, PA 17055 <b>(home address)</b></p>		<p>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</p>
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**PI TAU SIGMA GOLD MEDAL**

<p><u>David Henann</u>, Ph.D. Department of Mechanical Engineering Brown University Barus and Holley, Room 604 Providence, RI 02912</p>		<p>For outstanding achievements in mechanical engineering within 10 years of graduation</p>
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**AMES HARRY POTTER GOLD MEDAL**

<p><u>Derek Bradley</u>, Ph.D. Department of Mechanical Engineering Leeds University 186 A660, Woodhouse Lane Leeds LS2 9JT England, United Kingdom</p>		<p>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</p>
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**S.Y. ZAMRIK PRESSURE VESSELS AND PIPING MEDAL**

<p><u>Artin A. Dermenjian</u>, Fellow 2627 North Douglas Avenue Arlington Heights, IL 60004</p>		<p>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 <b>(2016 ASME Pressure Vessels &amp; Piping Conference, July 17-21, 2016 at the Hyatt Regency Vancouver in Vancouver, BC, Canada)</b></p>
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**DIXY LEE RAY AWARD**

<p><u>Jerald L. Schnoor</u>, Ph.D. Department of Civil and Environmental Engineering University of Iowa 4119 Seamans Center Iowa City, IA 52242</p>		<p>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</p>
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**CHARLES RUSS RICHARDS MEMORIAL AWARD**

<p><u>Kenneth E. Goodson</u>, Ph.D., Fellow Department of Mechanical Engineering Stanford University Building 530, Room 214 Stanford, CA 94305-3030</p>	<p>For outstanding achievements in mechanical engineering for 20 years or more following graduation</p>
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**RALPH COATS ROE MEDAL**

<p><u>James J. Duderstadt</u>, Ph.D. President Emeritus Science and Engineering Department University of Michigan 2001 Duderstadt Center 2281 Bonisteel Boulevard Ann Arbor, MI 48109-2094</p>	<p>For outstanding public service as a professor and university administrator; for leadership roles in defining the science and technology agenda for the nation; and for efforts to grow underrepresented groups in our educational institutions</p>
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**SAFETY CODES AND STANDARDS MEDAL**

<p><u>Michael W. Mills</u>, CSP, ARM, CRIS, Member Technical Director Liberty Mutual Insurance 9004 Sandwich Place Louisville, KY 40242-2444</p>	<p>For dedication to the enhancement of public safety in the load handling industry; and for leadership in improving load handling practices, and in the establishment of the P30 Committee and the development of the Planning for Load Handling Activities Standard <b>(B30 Committee meetings, January 24-25, 2017 at the Holiday Inn &amp; Suites Phoenix Airport North in Phoenix, Arizona 85008)</b></p>
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**SAVIO L-Y. WOO TRANSLATIONAL BIOMECHANICS MEDAL**

<p><u>B. Barry Lieber</u>, Ph.D., Fellow Department of Neurological Surgery Stony Brook University Medical Center HSC-T12, Room 080 100 Nicolls Road Stony Brook, NY 11794-8122</p>	<p>For significantly advancing brain aneurysm treatment through the engineering and development of flow diversion technology that, to date, has been used to treat more than 50,000 patients worldwide <b>(ASME Summer Bioengineering and Biotransport Conference, June 29–July 2, 2016, at National Harbor, in Baltimore, Maryland)</b></p>
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**R. TOM SAWYER AWARD**

<p><u>Nicholas Cumpsty</u>, Ph.D., Fellow Department of Mechanical Engineering Imperial College of Science and Technology Exhibition Road London SW7 2AZ United Kingdom</p>	<p>For outstanding contributions to the gas turbine industry through compressor aerodynamics research and university laboratory leadership, the publication of exemplary texts for students and practicing engineers, technological advancements for a major gas turbine manufacturer, and unceasing efforts to achieve technical excellence within IGTI and the ASME journals <b>(ASME TurboExpo, Turbomachinery Technical Conference &amp; Exposition, June 13-16, 2016, COEX Convention &amp; Exhibition Center, in Seoul, South Korea)</b></p>
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**MILTON C. SHAW MANUFACTURING RESEARCH MEDAL**

<p><u>Steven Y. Liang</u>, Ph.D., Fellow George W. Woodruff School of Mechanical Engineering Georgia Institute of Technology 813 Ferst Drive, Room 439 Atlanta, GA 30332-0405</p>	<p>For significant contributions to manufacturing science and technology through studies on physics-based analysis and modeling of machining and grinding processes (<b>ASME International Manufacturing Science and Engineering Conference (MSEC2016) June 27-July 1, 2016, at Virginia Tech, in Blacksburg, Virginia</b>)</p>
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**BEN C. SPARKS MEDAL**

<p><u>Allen H. Hoffman</u>, Ph.D., P.E., Fellow Department of Mechanical Engineering Worcester Polytechnic Institute Higgins Laboratory 100 Institute Road Worcester, MA 01609-2280</p>	<p>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 (<b>ASME 2016 Education Summit, March 12-14, 2016, at the Hyatt Regency Hotel in Newport Beach, CA</b>)</p>
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**RUTH AND JOEL SPIRA OUTSTANDING DESIGN EDUCATOR AWARD**

<p><u>Kathryn W. Jablow</u>, Ph.D., Fellow Department of Mechanical Engineering and Engineering Design The Pennsylvania State University 30 East Swedesford Road Malvern, PA 19355</p>	<p>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 (<b>Design Engineering Technical Conferences (IDETC/CIE), August 21-24, 2016, in Charlotte, North Carolina</b>)</p>
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**ROBERT HENRY THURSTON LECTURE AWARD**

<p><u>Romesh C. Batra</u>, Ph.D., Fellow Department of Engineering Science and Mechanics Virginia Polytechnic Institute and State University 333 East Norris Hall Mail Code 0219 Blacksburg, VA 24061-0001</p>	<p>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</p>
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**GEORGE WESTINGHOUSE GOLD MEDAL**

**GOLD**

<p><u>Kenneth N. C. Bray</u>, Ph.D. 23 De Freville Avenue Cambridge, CB4 1HW United Kingdom</p>	<p>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</p>
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**SILVER**

<p><u>Elia Merzari</u>, Ph.D., Member Argonne National Laboratory 9700 South Cassette Avenue Building #208 Lemont, IL 60439</p>		<p>For dedicated leadership and tireless support of ASME technical committees and conferences; and for outstanding contributions to the simulation of complex thermal-hydraulic phenomena in advanced nuclear reactor fuel bundles to enhance the safety and efficiency of next-generation advanced reactor designs</p>
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**HENRY R. WORTHINGTON MEDAL**

<p><u>Bruno Schiavello</u>, Member Director, Advanced Technology Pumps Flowserve Corporation 1480 Valley Center Parkway Bethlehem, PA 18017</p>		<p>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</p>
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## LITERATURE AWARDS

### FREEMAN SCHOLAR AWARD

<p><u>Goodarz Ahmadi</u>, Ph.D., Fellow Department of Mechanical and Aeronautical Engineering Clarkson University Box 5725 Potsdam, NY 13699</p>		<p>For the paper titled "Particle Transport, Deposition and Removal - Environmental and Biological Applications" <b>(ASME 2016 Fluids Engineering Summer Meeting July 10-14, at the Hyatt Regency on Capitol Hill, in Washington. DC)</b></p>
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### GAS TURBINE AWARD

<p><u>Robert P. Grewe</u>, Dr.-Ing. Siemens, Power &amp; Gas Division Large Gas Turbines, Engineering, Aerodynamics and Methods Mellinghofer Street 55 45473 Muelheim an der Ruhr Germany</p> <p><u>Robert J. Miller</u>, Ph.D. Department of Engineering Whittle Laboratory University of Cambridge 1 JJ Thomson Avenue Cambridge United Kingdom, CB30DY</p> <p><u>Howard P. Hodson</u>, Member Whittle Laboratory Department of Engineering University of Cambridge Madingley Road, CB3 0DS Cambridge, United Kingdom</p>		<p>For the paper titled "The Effect of Endwall Manufacturing Variations on Turbine Performance" <b>(ASME TurboExpo, Turbomachinery Technical Conference &amp; Exposition, June 13-16, 2016, COEX Convention &amp; Exhibition Center, in Seoul, South Korea)</b></p>
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### MELVILLE MEDAL

<p><u>Xianbo Liu</u> State Key Laboratory of Mechanical System and Vibration, School of Mechanical Engineering Shanghai Jiao Tong University Shanghai 200240 China</p> <p><u>Nicholas Vljajic</u>, Member Department of Mechanical Engineering University of Maryland 2181 Martin Hall College Park, MD 20742</p> <p><u>Xinhua Long</u>, Member State Key Laboratory of Mechanical System and Vibration, School of Mechanical Engineering, Shanghai Jiao Tong University, Shanghai 200240 China</p>		<p>For the paper titled "State-Dependent Delay Influenced Drill-String Oscillations and Stability Analysis"</p>
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<p><u>Guang Meng</u> State Key Laboratory of Mechanical System and Vibration, School of Mechanical Engineering, Shanghai Jiao Tong University, Shanghai 200240 China</p> <p>Balakumar Balachandran, Ph.D., Fellow Department of Mechanical Engineering University of Maryland 2181 Martin Hall College Park, MD 20742-3035</p>		
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**WORCESTER REED WARNER MEDAL**

<p><u>Isaac Elishakoff</u>, Ph.D., Fellow Department of Ocean and Mechanical Engineering Florida Atlantic University 777 Glades Road Boca Raton, FL 33431-0991</p>		<p>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</p>
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**PRIME MOVERS AWARD**

<p><u>Professor Feng Weizhong</u> General Manager of Shanghai Waigaoqiao No. 3 Electric Power Generation Co., Ltd No. 1281, Haixu Road Pudong New Area Shanghai, China 200137</p>		<p>For the paper titled “Developing Green, Highly Efficient Coal-Fired Power Technologies” (<b>Power &amp; Energy Conference &amp; Exhibition June 26-30, 2016, in Charlotte, North Carolina</b>)</p>
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**ARTHUR L. WILLISTON MEDAL**

<p><u>Leong Ka Long Karen</u>, Member Flat B, 12/F, Block 1 Jubilee Garden, Fo Tan Hong Kong</p>		<p>“For the paper titled “Fuel Choice Regulation – The Way to Narrow the Gap Between Current IMO Marine Standard and 2025 Greenhouse Gas Emission Target”</p>
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**ASME Board of Governors  
Agenda Item  
Cover Memo**

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**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**

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**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**

<b>External Unit</b>	<b>Nominee</b>	<b>Appointment Position/Title</b>	<b>Appointment Term/Category</b>	<b>Appointment Type</b>	<b>History</b>
ABET Board of Delegates	William Wepfer	Member	10/2016-9/2019	Initial	Current: Chair, Mechanical Engineering, Georgia Tech
Percy Nicholls Board of Award	Lilia Melegos Papadopoulos	Member	4/2016-12/2021	Initial	Current: Chair for ASME Combined Cycle Committee
Sperry Board of Award	Elizabeth Lawrence	Member	1/2016-12/2019	Initial	Current: Hoover Medal Board of Award

<b>Internal Unit</b>	<b>Nominee</b>	<b>Appointment Position/ Title</b>	<b>Appointment Term/Category</b>	<b>Appointment Type</b>	<b>History</b>
Committee on Finance and Investment	Robert Pangborn	Member	7/2016-6/2019	Reappointment	Current: Committee on Finance and Investment
Committee on Finance and Investment	Victoria Rockwell	Chair	7/2016-6/2019	Reappointment	Current: Committee on Finance and Investment
Committee on Honors	David Bogy	Member	7/2016-6/2019	Initial	Past: Applied Mechanics Division Chair