

## **FY25 BOARD OF GOVERNORS**

Tuesday, February 11, 2025

12:00 to 4:00 pm (EST)

1828 L Street NW, Washington, D.C. – Conference Center, 1<sup>st</sup> Floor ✧ Via Zoom

### **FINAL MINUTES**

Attendance during the open session was as follows:

#### Board of Governors

President: Susan Ipri-Brown

Governors: Alma Fallon\*, Kathryn Jablokow\*, Nicole Kaufman Dyess, William King, Tom Kurfess, Monica Moman-Saunders, Dave Schlesinger, Jared Oehring\*/\*\*\*, Lester Su, Janis Terpenney, Patrick Vieth

Executive Director/CEO: Thomas Costabile

#### Other Officers

Senior Vice Presidents/Elects: Andy Bicos, Public Affairs & Outreach  
Rick Cowan, Section Engagement Sector  
Jennifer Jewers Bowlin, Student & Early Career Development\*/\*\*\*  
Thomas Lavertu, Elect, Technical & Engineering Communities  
Bob Stakenborghs, Technical & Engineering Communities\*\*  
Tom Vogan, Standards and Certification  
Secretary/Treasurer Tara McMahan\*\*  
Ass't Secretary/General Counsel: John Delli Venneri, Esq.\*  
Chief Financial Officer: William Garofalo  
Governors-Elects: Carlos Beatty, Jr., Nelia Mazula, Parisa Saboori, Scott Smith

#### Guests

Oscar Barton, Jr.\* Chair, ASME Nominating Committee  
Sean Bradshaw\* Chair, Committee on Sustainability  
Eric Fidler\* Nominating Committee Member  
Robert Hauck\* Nominating Committee Member  
Alexander Hoffs\* IAB Chair  
Gemma Iruegas\* Nominating Committee, Vice Chair  
Omar Kheir\* Chair, Nominating Committee  
Madiha Kotb\* CPP Member/Past President, 2013-2014  
Rich Laudenat\* CPP Chair/Past President, 2019-2020  
Michael Lockwood\* Nominating Committee Member  
Rick Marboe\* Governor, 2020-2023  
Timo Marquez\* Committee on Sustainability  
Chris Mattson\* Chair, Engineering for Sustainable Development  
Karen Ohland\* CPP Secretary/Past President, 2022-2023  
John Parker\* CPP/Past President, 2000-2001

|                        |  |
|------------------------|--|
| Maury Pressburger*     | Nominating Committee Member              |
| Mary Lynn Realff*      | Governor, 2017-2020                      |
| Alex Marrero Laureano* | ECLIPSE Chair                            |
| Keith Roe***           | Campaign Chair/Past President, 2016-2017 |
| Steve Schmid*          | Member, Nominating Committee             |
| Bob Sims*              | CPP Member, Past President, 2014-2015    |
| Charla Wise*           | CPP Member/Past President, 2017-2018     |
| Sam Zamrik*            | CPP Member/Past President, 2007-2008     |

#### Staff

|                       |   |
|-----------------------|---|
| Thomas Abrams         | Coordinator, Government Relations                             |
| Iana Aranda*          | Managing Director, Sustainability                             |
| RuthAnn Bigley*       | Manager, Governance Programs                                  |
| Keith Bloesch         | Chief Information Officer                                     |
| Susie Cabanas         | Manager, Global Alliances & Board Operations                  |
| Christopher Cantrell* | Sr. Managing Director, Standards Engineering Services         |
| Arin Ceglia*          | Managing Director, Learning & Development                     |
| Chandra Clouden       | Chief Human Resources Officer                                 |
| Christopher Connolly* | Senior Director, Government Relations                         |
| Paul Fakes            | Director, Government Relations                                |
| Timothy Graves*       | Managing Director, Technical Conferences & Member Communities |
| John Hasselmann       | Managing Director, Global Public Affairs                      |
| Josh Heitsenrether*   | Sr. Managing Director, Marketing & Digital Standards          |
| David Kurywchak*      | Managing Director, Sales & Customer Care                      |
| Andrea Mahoney*       | Managing Director, Marketing & Digital Operations             |
| Tom Meehan*           | Controller  |
| Andrea Mess*          | Managing Director, Talent Management & Strategy               |
| Steven Papaganeres*   | Managing Director, Finance                                    |
| Jeff Patterson        | Chief Operating Officer                                       |
| Allian Pratt          | Chief Leadership Engagement Officer                           |
| Christine Reilley     | Managing Director, Publishing                                 |
| Nachalie Rodriguez    | Executive Assistant, Executive Office                         |
| Karen Russo           | Senior Director, Strategic Communications                     |
| Anand Sethupathy      | Chief Strategy Officer  |
| David Soukup*         | Managing Director, Governance                                 |
| Angelique Vesey*      | Senior Director, TEC Strategy & Operations                    |
| Stephanie Viola       | Managing Director, Programs & Philanthropy                    |
| Benjamin Wellhoefer*  | Director, TEC Product Management                              |
| Aaron Weinerman*      | Director, International Operations                            |

\* *Virtual*

\*\* *Absent*

\*\*\**Part-Time Attendance*

## **1. Opening of Meeting**

- 1.1 Call to Order: On Tuesday, February 11, 2025, a meeting of the FY25 Board of Governors of the American Society of Mechanical Engineers was held at the Conference Center at 1828 L Street NW,

Washington, D.C. and simultaneously via the Zoom application. All members were present, and the meeting was called to order by President Ipri-Brown at 1:00 PM EST.

- 1.2 Adoption of the Agenda: On motion made and seconded, the Board unanimously voted to adopt the agenda as circulated on January 28, 2025.
- 1.3 President's Remarks: President Ipri-Brown welcomed everyone to the meeting. She noted her excitement in meeting in person and feels that the opportunity to connect is invigorating. She noted a full agendas for the next two days that represent the future of ASME. Timing is everything, and one must recognize the reality in Washington, D.C. at this time. At this juncture it is important that ASME commits to its mission and values. It does not mean that we ignore what is going on but that we remain true to who we are, understand the new processes and people around us and strengthen relationships that will allow us to reach our goals.

As an organization, ASME continues to adapt its business practices to achieve its mission. One change of note is the transition to the digital ME Magazine. The visual and flow of the publication is dynamic and interactive.

Spring is upon us bringing with it EFX season. She encourages everyone to look at the schedule and find one nearby to attend, including the online Efest Connect event on March 22, 2025.

This month we celebrate Black History Month and President Ipri-Brown's appreciation goes out to the black engineers who have worked to move our profession forward. She encourages everyone to check out the Voices of ASME series highlighting the contributions of black engineers. In addition, March 20, 2025 is the ASME Foundation's Reinventing the Future Event which will highlight Women Engineering Change. Lastly, spring also brings April's Community Impact Month in which volunteers and staff are encouraged to participate. (Minutes Appendix 1.3)

- 1.4 Executive Director/CEO's Remarks: Mr. Costabile welcomed all to the meeting at the conference center at the ASME office building in Washington, D.C. ASME's new space is on the fourth floor, and he invited everyone for a brief tour. He thanked John Hasselmann and his team for helping to set up the space for these meetings.

It has been 85 days since IMECE, and our volunteer leadership continues to be focused on the change needed to support the continued interest and growth of ASME. The recent election is creating more change, but our commitment remains the same.

IMECE 2024 was a success. Changes and additional attention to detail made a positive difference. Several of the new programs were a huge success including ElevateME and ASME Riding Stars. Also, one-third of the topics were modified or new from the prior years. A newly formed organizing committee is in place for planning IMECE 2025 in Memphis, Tennessee.

A two-day planning summit was conducted in December to review operations and finances for FY25 YTD January. Later today Bill Garofalo will review ASME's financial performance and in the Closed Session of the Board meeting Jeff Patterson will review our operational performance. Also, in December, the PA&O Council met to discuss organizational structure and realignment. Mr. Costabile thanked Senior Vice President Andy Bicos for his leadership in defining a new forward approach. The Board will review options during the Closed Session.

In January Mr. Costabile and Tim Graves attended the OTC Board meeting in New York. The focus of the meeting was on conference content, adding new tracks and restoring attendance levels to pre-COVID levels. As of this morning, only 82% of exhibition space has been sold. This is an important conference and needs to be refreshed. Also, in January there was a meeting of the TEC council in the Houston office. It was a positive meeting with discussions focused on consolidation of divisions and conferences. He will have more information about this at the next Board meeting in April.

Planning is underway for IMECE India 2025. Our local team is working with an outpouring of local volunteers to attract interest. Mahantesh Hiremath continues to perform to a high standard in networking and has secured two keynote speakers. The team has reached out to 400 colleges and universities across India with particular emphasis on southern India where the conference will be held.

Our Government Relations team continues to work on the Hill with outreach efforts focused on the Pro-Codes Act and updates to scientific research publication policies. The team has conducted 49 touch points with congressional offices, delivered 5 Pro-Code Roadshow presentations for department leaders and 10 Roadshow presentations with membership, including senior division chairs.

As an update on real estate, Mr. Costabile advised that the landlord is proceeding with the build out of approximately 10,000 square feet on the 16<sup>th</sup> Floor of 2 Park Avenue. Occupancy in the new space is scheduled for July 2025 and consists of a co-working layout and open plan. Karen Russo provided an overview and virtual tour of the space. Mr. Costabile invited the Board to see the progress of the space while we are in the building during the April Board meeting.

Lastly, Mr. Costabile listed the agenda items for the open session and asked for a change in the agenda to accommodate a request to have The ASME Foundation Campaign Update first before the YTD Financial Report. (Minutes Appendix 1.4)

1.5 Consent Items for Action: No requests were received to remove any items from the Consent Agenda.

On motion made and seconded, the Board voted to approve 1.5.1 through 1.5.5 on the Consent Items for Action:

- 1.5.1. Approval of Minutes of the November 17, 2024 Meeting
- 1.5.2. Proposed Appointments
- 1.5.3. Elevating & renaming the John J. Montgomery Medal for Distinguished Innovation in Aerospace
- 1.5.4. Amendments to By-Law 5.2
- 1.5.5. Proposed Changes to By-Law B5.5

## 2. Open Session Agenda Items

- 2.1 YTD Financial Report: Bill Garofalo provided a high-level recap of our January fiscal year-to-date preliminary financials. There was a loss in revenue through January. We are in year two of the Boiler



Code cycle with a planned net deficit this year, which was offset by the surplus from FY24. Net results were favorable to budget through January driven by higher revenues along with favorable expenses, most of which is attributable to timing. The overall expense favorability was mainly due to timing of costs across multiple business units, along with savings related to legal fees. We expect overall expenses to be in line with the budget for the full year.

The investment portfolio improved by 7.6% YTD through January. The Executive Committee and Executive Team continue to work with our investment advisor to monitor and adjust our allocations when necessary, including potential impacts from the recent election results. ASME's portfolio continues to remain diversified with a mix of 71% equity and 29% fixed-income investments.

The current approved contingency reserve target is 60%. ASME ended FY24 with a contingency reserve of 93% and has increased it to 103%, a solid financial position with room to invest in ASME's future.

- 2.2 Sector Reports: Sector reports were provided by Senior Vice Presidents Jennifer Jewers Bowlin for SECD (via Zoom); Andy Bicos for a PA&O including an update on the SVP recruitment; SVP-Elect Tom Lavertu in Bob Stakenborghs' absence for TEC; Rick Cowan for SES; and Tom Vogan for S&C. Their overview included recent accomplishments, upcoming projects, new initiatives, key accomplishments, challenges, successes, opportunities and goals. (Minutes Appendix 2.2)
- 2.3 ASME Foundation Campaign Update: Keith Roe provided an update on the ASME Foundation Campaign, highlighting the successful relaunch of ASME Philanthropy five years ago. The campaign's focus is to build an inclusive technical workforce for the future. Significant progress has been made, including establishing strong partnerships and raising nearly \$25 million, exceeding previous campaigns by five times.

Stephanie Viola presented impact highlights of ASME's programs, including Scholarships, K-12 Programs, and Sustainability initiatives. Key achievements from 2020 to present include: expansion of the philanthropy team to 12 specialists; creation of two annual fundraising events; and the launch and mobilization of ASME Foundation India.

For the 2025 through 2030 the Campaign's vision and goals include expanding ASME Programs' reach and influence; locally and nationally build the reputation of the ASME Foundation; and consolidate programs for greater measurable impact. Innovations in programs and philanthropy from 2025 through 2030 include expanding International K-12 Programming; fuel local talent via ASME STEM EngineZone; grow government grants and partnerships; and enhance data-driven storytelling.

ASME's programs and philanthropy are critical to its position as a modern, forward-looking leader. As such, the campaign has inspired a new generation of ASME leaders. To continue the wonderful work of the Foundation Mr. Roe requested the Board's assistance in identifying and introducing potential corporate and individual donors within their networks. The team would appreciate any help with these introductions, and they will handle the rest to aid in the campaign's continued growth. (Minutes Appendix 2.3)

- 2.4 ECLIPSE Report: Alexander Marrero Laureano presented an overview of the ECLIPSE program, highlighting the contributions of the ECLIPSE Committee and Alumni Group. He identified key

challenges, including recruitment, experience development, mentorship effectiveness, and participant transition. To address these, the committee is working to enhance mentor onboarding, and technology modernization for recruitment. He reported increased application rates due to CEC outreach and improved feedback collection through exit interviews and peer monitoring. Mr. Laureano concluded by introducing the 2024-2025 Group Project: "Understanding Trends and Strategies to Boost ASME," focusing on global trends, generational shifts, and member engagement. (Minutes Appendix 2.4)

- 2.5 2024 Planning Meeting Update: Anand Sethupathy described the annual July Planning Meeting as a forum for the Board, Senior Vice Presidents, and the Executive Team to discuss ASME's long-term vision. Summarized the 2024 meeting, he emphasized the impact of Gartner's presentation on megatrends. He reported positive feedback and noted substantial progress on key 2024 initiatives: sustainability, AI, and international business growth. He concluded by presenting draft topics for the 2025 Planning Meeting, a three-day event potentially held in Canada, which will address AI, data and IP strategies, sustainability, and driving a customer-centric approach. (Minutes Appendix 2.5)
- 2.6 Committee on Sustainability: Sean Bradshaw reviewed ASME's approach to sustainability including the strategic climate pillars including their sub-committee memberships and the strategic framework co-design. He included the committee's future state, federal landscape shifts, ecosystem engagements, focus on standards and deepening industry engagement. In the year ahead and up to and including March of 2026 of ASME, engagements aiming to gain insight, build momentum on strategic initiatives and raise awareness. A plan for ASME's inaugural Sustainability Conference in April of 2026 is in the works and potential themes for the conference are Technology Innovations in Decarbonization; Circular Economy Approaches; and Policy Regulations and Economics. (Minutes Appendix 2.6)

3. **New Business**: No new business was presented.

#### 4. **Open Session Information Items**

##### 4.1 Dates of Future Meetings

| DATE           | DAY       | TIME               | LOCATION                                 |
|----------------|-----------|--------------------|--|
| March 17, 2025 | Monday    | 1:30 pm – 2:30 pm  | Virtual Information Session              |
| April 30, 2025 | Wednesday | 12:00 pm – 5:00 pm | 2 Park Avenue, New York, NY              |
| May 1, 2025    | Thursday  | 8:00 am – 12:00 pm | 2 Park Avenue, New York, NY              |
| June 6, 2025   | Friday    | 9:00 am – 3:00 pm  | DoubleTree by Hilton Hotel, Portland, ME |
| June 8, 2025*  | Sunday    | 9:00 am – 3:00 pm  | DoubleTree by Hilton Hotel, Portland, ME |

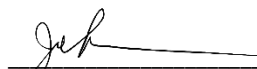
\*FY26 Board of Governors

##### 4.2 FY25 ASME Philanthropy Calendar

| DATE              | DAY       | TIME               | EVENT, LOCATION  |
|-------------------|-----------|--------------------|--|
| February 19, 2025 | Wednesday | 12:30 pm – 7:30 pm | Lone Star College-CyFair in Cypress, Texas   |
| February 20, 2025 | Thursday  | 6:00 pm – 9:00 pm  | Reception Honoring Kenneth Warren (ExxonMobil) with Holley Medal, Woodlands, Texas |
| February 21, 2025 | Friday    | 6:00 pm – 9:00 pm  | Top Golf Fundraiser, Spring, Texas   |

|                   |          |                    |   |
|-------------------|----------|--------------------|---|
| February 22, 2025 | Saturday | TBD                | K-12 STEM Event, Houston, Texas   |
| March 20, 2025    | Thursday | 6:00 pm – 10:00 pm | Reinventing the Future 2025,<br>Intercontinental Hotel - The Wharf,<br>Washington, DC |
| May 1, 2025       | Thursday | 6:00 pm – 10:00 pm | Optimism Engineered 2025, New York City,<br>New York                                  |

**5. Adjournment** – The meeting adjourned on Tuesday, February 11, 2025 at 4:00 PM EST.



John Delli Venneri  
Assistant Secretary

**List of Appendices**

- 1.3. President's Remarks – Black History Month
- 1.4. Executive Director/CEO's Remarks – IMECE India 205 & 2 Park Avenue
- 1.5.2. Proposed Appointments
- 1.5.3. Elevating & renaming the John J. Montgomery Medal for Distinguished Innovation in Aerospace
- 1.5.4. Amendments to By-Law 5.2
- 1.5.5. Proposed Changes to By-Law B5.5
- 2.2. Sector Reports
- 2.3. ASME Foundation Campaign Update
- 2.4. ECLIPSE Report
- 2.5. 2024 Planning Meeting Update
- 2.6. Committee on Sustainability
- 4.1. Dates of Future Meetings
- 4.2. FY25 ASME Philanthropy Calendar

# Celebrating Black History and Achievements

Brought to you by the ASME Diversity, Equity, and Inclusion Strategy Committee



**This month we honor the generations of African-Americans who persevered in the face of oppression and who continue to advocate for equality and inclusion.**

# ASME FY25 Board of Governors Meeting

FEBRUARY 10 & 11, 2025

# IMECE India 2025

| Tracks/Groups | Technical Paper | Student Poster | Technical Presentation | Abstract Completed | Volunteers (Track Chairs & Sub-Track Chairs) |
|---------------|-----------------|----------------|------------------------|--------------------|--|
| Track1: AM3D  | 158             | 0              | 20                     | 178                | 10   |
| Track2: AMMT  | 171             | 5              | 21                     | 197                | 22   |
| Track3: ATT   | 99              | 0              | 6                      | 105                | 2  |
| Track4: ASM   | 9               | 0              | 0                      | 9                  | 4  |
| Track5: ACES  | 50              | 1              | 7                      | 58                 | 22   |
| Track6: CPS   | 32              | 0              | 5                      | 37                 | 2  |
| Track7: GT    | 92              | 2              | 3                      | 97                 | 25   |
| Track8: PVP   | 54              | 0              | 17                     | 71                 | 25   |
| Track9: R&A   | 56              | 1              | 2                      | 59                 | 2  |
| Track10: SSDM | 197             | 3              | 19                     | 219                | 8  |
| Track11: IOGP | 22              | 1              | 7                      | 30                 | 12   |
| <b>Total</b>  | <b>940</b>      | <b>13</b>      | <b>107</b>             | <b>1060</b>        | <b>134</b>                                   |

## Key Q2 Engagement







2 Park Avenue  
New York, NY



# Future of How We Work

The new hybrid workspace will be flexible and adaptable, giving you the opportunity to find what works best for your workstyle:

- Collaboration Space
- Focus Space
- Meeting Space
- Socialization Space
- Technologically Innovative
- Wellness space



## 2 Park – 16<sup>th</sup> Floor

### Summer 2025

- Conference rooms
- Huddle room
- Private offices
- Phone Room
- Wellness Room
- Open Lounge seating
- Flexible workspaces

Minutes Appendix 1.4  
Page 6 of 14









# Future of How We Work



- Collaboration Space
- Focus Space
- Meeting Space
- Socialization Space



# Future of How We Work

Designated focus spaces such as a phone room offers a quiet environment for employees to concentrate before meetings, make calls or take a quick break in the wellness room

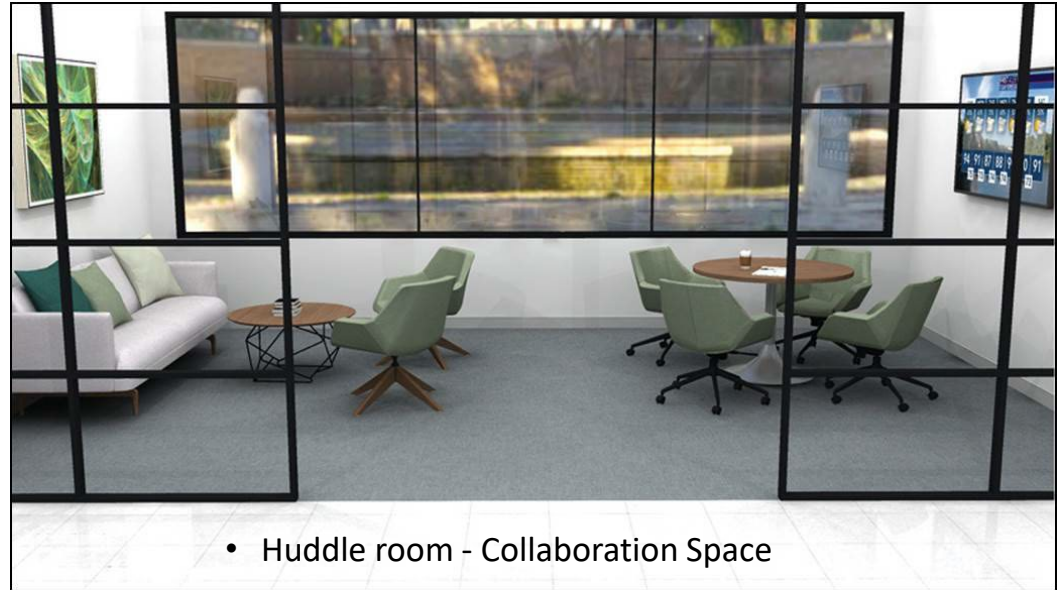




# Modern Hybrid Collaboration



- Modern, U-shaped “Front Row”



- Huddle room - Collaboration Space

# Modern Hybrid Collaboration







# THANK YOU



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

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Date Submitted: January 21, 2025

BOG Meeting Date: February 11, 2025

To: Board of Governors

From: Committee on Organization and Rules

Presented by: Richard Marboe

Agenda Title: Proposed Appointments

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### **Agenda Item Executive Summary:**

Proposed appointments reviewed by the COR on January 21, 2025.

### **Proposed motion for BOG Action:**

To approve the attached appointments.

**Attachments:** Document attached.

### FEBRUARY 2025 PROPOSED APPOINTMENTS TO ASME UNITS

| Internal Unit                      | Nominee           | Appointment Position/Title | Appointment Term/Category | Appointment Type | History   |
|------------------------------------|-------------------|----------------------------|---------------------------|------------------|---|
| Section Engagement Sector          | Bryan Lewis       | Member-at-Large            | February 2025 – June 2027 | Initial          | Chair, Idaho Section; Advisor BYU-Idaho   |
| Section Engagement Sector          | Erkan Oterkus     | Member-at-Large            | July 2025 – June 2028     | Initial          | Chair, United Kingdom Section   |
| Standards and Certification Sector | Christian Araguas | Member-at-Large            | February 2025 – June 2027 | Initial          | Responsible for directing safety standards development to support design, construction, and operation of advanced nuclear power plants regulated by the Nuclear Regulatory Commission. This appointment is the initial ASME volunteer activity. |
| Old Guard Committee                | David Wiebe       | Member-at-Large            | July 2024 – June 2027     | Initial          | Chair, Florida Section  |

## Board of Governors Meeting Agenda Item Cover Memo

|                   |   |
|-------------------|---|
| Date Submitted:   | 12/3/2024   |
| BOG Meeting Date: | February 11, 2025   |
| To:               | Board of Governors  |
| From:             | Leila Persaud   |
| Presented by:     | Honors & Awards   |
| Agenda Title:     | Elevating and renaming the John J. Montgomery Medal for Distinguished Innovation in Aerospace |

### Agenda Item Executive Summary:

The Committee on Honors at its November 22, 2024 meeting approved the elevation of the John J. Montgomery Medal for Distinguished Innovation in Aerospace to a Society-Level Award, and rename the award, the ASME John J. Montgomery Aerospace Medal.

### Proposed motion for BOG Action:

To accept the Committee on Honors recommendations to elevate and rename the John J. Montgomery Medal for Distinguished Innovation in Aerospace to the ASME John J. Montgomery Aerospace Medal.

### Attachment:

The award proposal that the Committee on Honors approved at its November 22, 2024 meeting is attached.

## **ASME SOCIETY-LEVEL AWARD PROPOSAL**

### **John J. Montgomery Aerospace Medal**

#### **1. Salutation & Introduction**

The ASME Aerospace Division would like to propose that the Division-level John J. Montgomery Award for Distinguished Innovation in Aerospace be elevated to a society-level award and renamed the ASME John J. Montgomery Aerospace Medal.

#### **2. Background**

The ASME John J. Montgomery Aerospace Medal is named for John Joseph Montgomery, one of the individuals considered to be a father of aviation. He flew his first glider under control in 1883 at Otay Mesa, near San Diego, CA. Each subsequent glider used different airfoils, control systems, and launching methods. Through these tests John became the first person in the Western Hemisphere to fly in a heavier-than-air flying machine in a controlled fashion (source: National Soaring Museum).

It preceded by some 10 years the famous glider flights of Otto Lilienthal, and by 20 years the historic powered flights of the Wright brothers.

Since he was in California, far from the publicized aviation trials taking place on the East Coast, and lacked the means to patent his invention, Montgomery's historic accomplishment was not immediately recognized. However, he was able to describe them at a public lecture in 1893 in Chicago.

Following his landmark achievement in 1883, Montgomery spent the next 10 years studying the principles of flight and the relationship between the wing surface and the air. He developed water and wind tunnels to investigate wing models, and drew inspiration from observations of larger birds in flight. He published several papers during this time and worked on a series of model gliders before building the Santa Clara, which performed horizontal figure-eights, well-controlled turns, and spirals, soaring nearly 4,000 feet above the Santa Clara Valley for 15 to 20 minutes as witnessed by hundreds of onlookers, including members of the press. According to Alexander Graham Bell, "All subsequent attempts in aviation must begin with the Montgomery machine."

In 1911, Montgomery built the Evergreen, using a design that was created to tolerate turbulence and wind gusts. Several innovative elements were incorporated into the design, including single-wing, aft-tail layout and wheel-yoke control, a major step in aircraft control. It was in the testing of the controls on this craft that Montgomery met his untimely death from a head injury. (Source: Santa Clara University web site).

While Montgomery's contributions have been somewhat overlooked, the Aerospace Division would like to commemorate his work and the advances he brought in the early days of aviation with the establishment of this Society-level award.

The Montgomery Glider is ASME Historic Landmark #189: <https://www.asme.org/about-asme/engineering-history/landmarks/189-montgomery-glider>

Further details about Montgomery's accomplishments can be found on Wikipedia: [https://en.wikipedia.org/wiki/John\\_Joseph\\_Montgomery](https://en.wikipedia.org/wiki/John_Joseph_Montgomery)

### **3. Name of Award**

ASME John J. Montgomery Aerospace Medal

### **4. Need for such an Award**

This idea for this award originated several years ago and the original proposer, Godfrey Mungal, always intended to establish it as a society-level award. But the fundraising fell short and efforts to raise funds abated over time. Prof. Mungal approached the Aerospace Division about spearheading renewed efforts to raise the needed funds. Subsequently, the Division proposed that it be a division award until the funds could be raised. The award was given for the first time in 2023 and had four applications last year.

The Spirit of St. Louis Medal recognizes meritorious service in advancing aeronautics and astronautics while the Montgomery Medal focuses on innovations, new technologies or equipment, forward thinking and originality.

The Montgomery Aerospace Medal is needed because it focuses on innovation and new technologies in aerospace. There is not a society-level award that recognizes innovation in aerospace. It also provides recognition of a prominent father of aviation.

### **5. Description of the Award**

The Montgomery Innovation Medal will recognize the outstanding contribution of an individual engineer residing in the international community who has researched, designed or developed (or any combination thereof) new technologies or equipment for the aerospace industry, i.e., aerodynamics, propulsion, aerospace structure/materials, stability and control, etc. As a professional in industry, each recipient will have significantly contributed to aeronautics and/or astronautics, and the engineering community at large. Awardees will have demonstrated originality, forward-thinking, and a thirst for innovation. The recipient will have helped to revolutionize the industry and open the door for greater progress in the field.

### **Form of Award**

The winner would be recognized with a vermeil medal, certificate and a \$1000 honorarium, all funded by the ASME Foundation endowed account that is already established for it.

### **6. Financial Provisions**

Fundraising has been ongoing for several years with Godfrey Mungal's efforts and recent Aerospace Division efforts. The \$80,000 goal was recently achieved.



## **ASME JOHN J. MONTGOMERY AEROSPACE MEDAL PROPOSED RULES OF AWARD**

### **Form of Award**

Vermeil medal, certificate and \$1000 honorarium

### **Achievement Recognized**

The John J. Montgomery Aerospace Medal will recognize the outstanding contribution of an individual engineer residing in the international community who has researched, designed or developed (or any combination thereof) new technologies or equipment for the aerospace industry, i.e., propulsion, aerospace structure/materials, stability and control, etc. As a professional in industry, each recipient will have significantly contributed to aeronautics and astronautics, and the engineering community at large.

Awardees will have demonstrated originality, forward-thinking, and a thirst for innovation. The recipient will have helped to revolutionize the industry and open the door for greater progress in the field.

### **Nominating Committee**

The award is administered by the Aerospace Division Executive Committee. The Executive Committee will form a John J. Montgomery Aerospace Medal Award Committee consisting of six members, each serving a term of three years; the terms of two members expire each year in June. Members are named by the Division Executive Committee by April 1 of each year. The Aerospace Division Chair shall appoint its chair from the six current members. Members of the Montgomery Aerospace Medal Committee shall be approved by the Committee on Honors.

Members of the John J. Montgomery Aerospace Medal Award Committee are not eligible to receive the award or write letters of support.

### **Review Process**

The John J. Montgomery Aerospace Medal Award Committee solicits nominations, reviews all nominations received by September 1 and makes a recommendation of the winner to the Division Executive Committee. If the Executive Committee approves the nomination, it will be forwarded to the Committee on Honors no later than October 1.

### **Nomination Deadlines**

September 1 to the John J. Montgomery Aerospace Medal Award Committee  
October 1 to the Committee on Honors.

### **Funding**

Temporarily Restricted net assets: \$40,000  
Permanently Restricted net assets: \$40,000  
\$80,000



## Board of Governors Meeting Agenda Item Cover Memo

|                   |                          |
|-------------------|--------------------------|
| Date Submitted:   | January 21, 2025         |
| BOG Meeting Date: | February 11, 2025        |
| To:               | Board of Governors       |
| From:             | Governance Staff         |
| Agenda Title:     | Amendments To By-Law 5.2 |

### Agenda Item Executive Summary:

The Board of Governors approved for first reading revisions to By-Law 5.2 at its November 17, 2024, meeting.

Changes to other By-Laws and Society Policies to reflect this new By-Law will be presented at the Board's April 30 meeting.

Proposed motion for BOG Action:

**To adopt changes to By-Law 5.2 "Sectors and Committees Reporting to the Board of Governors."**

Attachment:

By-Law B5.2

## **B5.2 SECTORS AND COMMITTEES REPORTING TO THE BOARD OF GOVERNORS OR EXECUTIVE COMMITTEE**

- B5.2.1 The sectors reporting to the Board of Governors shall be the Section Engagement Sector, the Standards and Certification Sector, the Technical and Engineering Communities Sector, the Public Affairs and Outreach Sector and the Student and Early Career Development Sector.

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

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

- B5.2.2 The Board of Governors has established the following committees of the Board, each of which shall consist of three or more Governors and which shall report directly to the Board of Governors: Executive Committee, Committee on Finance and Investment, Audit Committee, and Committee on Executive Director/CEO Evaluation and Staff Compensation. Each committee of the Board shall have such power and authority as the Board of Governors shall specify in these By-Laws or a Board resolution and as permitted by law, except that no such committee shall have authority as to the following matters: (i) the submission to members of any action requiring members' approval under New York law or these By-Laws; (ii) the filling of vacancies in the Board or in any committee; (iii) the fixing of compensation of the Governors for serving on the Board or on any committee; (iv) the amendment or repeal of the By-Laws or the adoption of new By-Laws; (v) the amendment or repeal of any resolution of the Board which by its terms cannot be so amended or repealed; (vi) the election or removal of Governors and officers; (vii) the approval of a merger or plan of dissolution; (viii) the adoption of a resolution recommending to the members action on the sale, lease, exchange or other disposition of all or substantially all of the Society's assets; (ix) the purchase, sale, mortgage or lease of real property of the Society if the property constitutes, or would constitute, all or substantially all of the assets of the Society; or (x) the approval of amendments to the Society's certificate of incorporation. The Board shall appoint, by majority vote at a meeting at which a quorum is present, the members of all Board committees, except for the Executive Committee, whose members must be appointed by a majority vote of the Entire Board of Governors. All committees of the Board shall consist exclusively of Governors; provided, however, that the Board or a committee of the Board may designate one or more members of the Society's management and/or other individuals to serve in an advisory capacity to such committee and who may attend and participate in meetings of the committee (if invited by the committee) but who shall not have the right to vote or deliberate on matters before the committee.

- B5.2.2.1 The Executive Committee shall act on behalf of the Board of Governors between Board of Governors meetings, its authority limited to those matters specifically provided for in these By-Laws and specifically delegated to it, consistent with applicable law, by the Board of Governors from time to time. All such actions shall be ratified by the Board of Governors at its next scheduled meeting. The Executive Committee shall have

responsibility to accept grants, gifts or bequests in accordance with By-Law B4.4.4. The Executive Committee shall meet from time to time as deemed necessary by the Committee. The Executive Committee shall have responsibility for overseeing the Scholarship Committee and Old Guard Committee.

The President will serve as Chair of the Executive Committee. One Elected Governor from each class, who is selected by closed written ballot by the Board of Governors at the Board's first meeting of the fiscal year, shall constitute the remaining voting members of the Executive Committee. If a round of closed written balloting shall fail to produce a majority vote of those present and constituting a quorum in support of a Governor, the lowest vote-getter shall be removed from the ballot for one or more subsequent rounds of closed written balloting until a single candidate shall receive a majority vote of those present and constituting a quorum. If a round of closed written balloting shall produce a tie, the tie shall be broken by a drawing of straws by the tied candidates, and the candidate who draws the shorter or shortest straw shall be removed from the ballot for one or more subsequent rounds of closed written balloting until a single candidate shall receive a majority vote of those present and constituting a quorum. The Executive Director/CEO is a non-voting member of the Executive Committee.

- B5.2.2.2 The Committee on Finance and Investment, under the direction of the Board of Governors, shall have responsibility for oversight of the financial and investment affairs of the Society, including: (1) reviewing and recommending for Board approval policies related to the Society's financial condition, budget, investments, and reserves; (2) reviewing regular financial reports from management to assess the financial status of the Society; (3) reviewing and monitoring annual operating budgets for the current fiscal year, and recommending an annual operating budget to the Board of Governors for approval for the following fiscal year; (4) overseeing the administration of the Society's real property; (5) overseeing the investment of monies, securities and other assets of the Society, with the authority to invest and re-invest the same, in accordance with the Investment Policy of the Society; and (6) reviewing and recommending for board approval significant capital expenditures and asset acquisitions and dispositions. In discharging its role, the Committee is empowered to inquire into any matter it considers appropriate to carry out its responsibilities with access to the books and records of the Society. Subject to the direction of the Board of Governors, the Committee is authorized and delegated the authority to act on behalf of the Board with respect to the management of the Society's investments in accordance with the Investment Policy of the Society.

The Committee on Finance and Investment shall consist of at least three Elected Governors annually selected by the Board of Governors. Such Governors shall be selected by the Board of Governors at the first meeting of the fiscal year and shall consist solely of "independent" members of the Board as defined under Section 102 (a) (21) of the New York Not-for-Profit Corporation Law. The Chair of the Committee shall be appointed by the Board from among the Committee members and shall preside at meetings of the Committee and shall have authority to convene meetings, set agendas for meetings, and determine the Committee's information needs, except as otherwise provided by the Board or the Committee. The Treasurer, Assistant Treasurer and Chief Financial Officer may participate in meetings of the Committee on Finance and Investment at the request of the Chair of the Committee but shall not be counted towards the presence of a quorum and shall not have the right to vote on any matter before the Committee.

- B5.2.2.3 The Audit Committee, under the direction of the Board of Governors, shall have responsibility for overseeing the accounting and financial reporting process of the Society and the audit of its financial statements and report its activities to the Board. The Committee will be responsible for overseeing the adoption and implementation of, and compliance with, the Society Policies on whistleblowers and conflicts of interest. The Committee will annually

consider the performance and independence of the independent auditor and recommend retaining or renewing the retention of the independent auditor to the Board. The Committee will liaise with the independent auditor prior to the commencement of the audit and upon completion of the audit, review and discuss the audit results and any related management letter with the auditor, including:

- (a) any material risks and weaknesses in internal controls identified by the auditor;
- (b) any restrictions on the scope of the auditor's activities or access to requested information;
- (c) any significant disagreements between the auditor and management; and
- (d) the adequacy of the Society's accounting and financial reporting processes.

The Audit Committee shall consist of three Elected Governors (serving staggered terms on the Board). The Committee membership is determined by the Board of Governors and consists solely of "independent" members of the Board as defined under Section 102(a) (21) of the New York Not-for-Profit Corporation Law. The Chair shall be the senior Governor, and the Vice Chair shall be the second-most senior Governor.

The Treasurer, Assistant Treasurer and Chief Financial Officer may participate in meetings of the Audit Committee at the request of the Chair of the Committee but shall not be counted towards the presence of a quorum and shall not have the right to vote on any matter before the Committee. The Audit Committee shall meet in executive session, including with the independent auditor, as the Audit Committee deems necessary or appropriate. The President shall nominate an incoming first-year Elected Governor for appointment by the Board. Audit Committee members shall serve a three-year term unless their term on the Board of Governors expires earlier than three years.

- B5.2.2.4 The Committee on Executive Director/CEO Evaluation and Staff Compensation, under the direction of the Board of Governors, shall have responsibility for making recommendations to the Board regarding the Executive Director/CEO's performance planning and evaluation and for making recommendations to the Board regarding the Executive Director/CEO's compensation, including salary and bonus recommendations.

The Committee shall also have the responsibility to advise the Board of Governors on activities of the Society's staff regarding staff compensation, including bonus programs; and staff and retiree benefit programs. The Committee will also be responsible for staff related Society Policies P-7.1, (Recognition of Staff Members - Years of Service) and P-7.2, (Staff Employment Guidelines).

In addition, the Committee has oversight responsibilities for the Retirement Plan Committee.

The Committee on Executive Director/CEO Evaluation and Staff Compensation shall consist of the President, and three Elected Governors (serving staggered terms on the Board). The President shall nominate an incoming first year Elected Governor for appointment by the Board. The Chair of the Committee shall be the senior Governor, and the Vice Chair shall be the second-most senior Governor. The Elected Governors shall serve a three-year term unless their term on the Board of Governors expires earlier than three years.

- B5.2.3 The Board of Governors has established the following "committees of the corporation" in accordance with Section 712(e) of the New York Not-for-Profit Corporation Law to carry out such advisory functions as the Board shall specify in these By-Laws or a Board resolution and as permitted by law: Committee on Organization and Rules, Committee of Past

Presidents, Philanthropy Committee, Diversity, Equity and Inclusion Strategy Committee, Industry Advisory Board, Volunteer Orientation and Leadership Training Academy, History and Heritage Committee, Committee on Sustainability, Committee on Honors, Scholarship Committee and Old Guard Committee. Each committee of the corporation shall maintain its own operation guide as prescribed by Society Policy or by the Board of Governors. The Board of Governors shall designate the members of each committee of the corporation. The members of a committee of the corporation need not be Governors or officers of the Society. A committee of the corporation will not have the authority to bind the Board of Governors or the Society.

B5.2.3.1 The Committee on Organization and Rules, under the direction of the Board of Governors, shall have responsibility for ensuring that the Society is organized and supplied with qualified leadership to serve the current and anticipated future needs of the membership, and shall reexamine regularly the Constitution, By-Laws and Policies of the Society. The Committee on Organization and Rules shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.

B5.2.3.2 The Committee of Past Presidents, under the direction of the Board of Governors, shall have responsibility for electing Fellows, overseeing the ethical practice of engineering, and providing guidance on matters where its experience may be useful, upon request by the President, Board of Governors, and other units of the Society. The Committee of Past Presidents shall select its own Chair and Vice Chair. Its membership shall consist of all living Past Presidents, unless the Board of Governors, Executive Committee or Ethics Committee makes a finding that results in the censure, expulsion, suspension or other disciplinary action of a Past President involving the following conduct:

- (a) violation or attempted violation of the Society Policies with respect to Ethics, Code of Conduct or Discrimination and Discriminatory Harassment, knowingly assisting or inducing another to violate or attempt to violate the Society Policies with respect to Ethics, Code of Conduct, or Discrimination and Discriminatory Harassment, or doing so through the acts of another;
- (b) illegal conduct that adversely reflects on the Past President's honesty, trustworthiness or fitness to serve ASME in a position of trust;
- (c) conduct involving breach of fiduciary duty, dishonesty, fraud, deceit or misrepresentation; or
- (d) other conduct that is or reasonably could be harmful to the reputation and administration of the Society.

Disciplinary action for conduct described in B5.2.3.2 (a) through (d) shall render a Past President ineligible for membership on the Committee of Past Presidents and shall result in the expulsion from the Committee of any current member of the Committee of Past Presidents.

B5.2.3.3 The Committee on Sustainability, under the direction of the Board of Governors, shall have responsibility for recommending to the Board of Governors a climate and sustainability strategy for the Society. The Committee on Sustainability shall select its own Chair and Vice Chair. Its membership shall be determined annually by the Board of Governors. The President may select a Governor to serve as Liaison to the Board during their Presidential term.

B5.2.3.4 The Philanthropy Committee, under the direction of the Board of Governors, shall have responsibility for advising the Board of Governors and assisting the Society in connection with fundraising activities and philanthropic programs carried out using the Society's name

or other resources. The Philanthropy Committee shall select its own Chair and Vice Chair. The ASME Executive Director/CEO, the ASME Managing Director of Philanthropy and the ASME Managing Director of Programs shall be ex officio members of the Committee without vote. Other members shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.

- B5.2.3.5 The Diversity, Equity and Inclusion Strategy Committee, under the direction of the Board of Governors, shall have responsibility for providing insight and advice into promoting diversity, equity and inclusion within ASME and mechanical engineering. The Diversity, Equity and Inclusion Strategy Committee shall select its own Chair and Vice Chair. Its membership shall be determined annually by the Board of Governors. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.
- B5.2.3.6 The Industry Advisory Board, under the direction of the Board of Governors, shall have responsibility for providing a voice for industry within ASME through the communication of the needs of engineers that are engaged in industry. The Industry Advisory Board shall select its own Chair and Vice Chair. Its membership shall be determined annually by the Board of Governors. The President may select a Governor to serve as Liaison to the Board during their Presidential term.
- B5.2.3.7 The Volunteer Orientation and Leadership Training Academy, under the direction of the Board of Governors, shall have responsibility for developing ASME's volunteer leadership. VOLT's programmatic offerings extend to volunteers serving throughout the Society at all levels. The Volunteer Orientation and Leadership Training Academy shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Academy during their Presidential term.
- B5.2.3.8 The History and Heritage Committee, under the direction of the Board of Governors, shall have responsibility for the Historic Mechanical Engineering Landmark Program, maintaining records of notable mechanical engineering achievements and personalities, and other history and heritage activities within ASME and mechanical engineering. The History and Heritage Committee shall select its own Chair and Vice Chair. Its membership shall be determined annually by the Board of Governors. The President may select a Governor to serve as Liaison to the Board during their Presidential term.
- B5.2.3.9 The Committee on Honors, under the direction of the Board of Governors, shall have responsibility for recommending properly selected candidates for honors, medals, Honorary Members, and awards, and as required shall recommend recipients of joint awards, all subject to approval by the Board of Governors. However, the Board may delegate to the Committee on Honors the power to approve candidates for any honor, medal or award other than Honorary Member or ASME Medalist. The Committee on Honors shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The Chair of the General Awards Committee shall be an ex officio member with vote. The President may select a Governor to serve as Liaison to the Committee during their Presidential term. The General Awards Committee, under the direction of the Committee on Honors, shall seek candidates for all honors and awards except Honorary Members, the ASME Medal, and group-level awards, and shall screen nominations and make recommendations to the Committee on Honors. The General Awards Committee shall consist of a Chair, a Vice Chair and a membership as determined by the Committee on Honors. Other Society award committees, including special award committees, shall in accordance with the policies and procedures administered by the Committee on Honors, seek nominees for honors in their several areas of interest, shall screen nominations, and make recommendations to the Committee on Honors.

- B5.2.3.10 The Scholarship Committee, under the direction of the Executive Committee, shall have responsibility for selecting recipients of ASME scholarships, approving the establishment of new scholarships, and other activities related to ASME scholarships. The Scholarship Committee shall consist of a Chair, a Vice Chair, and a membership as determined by the Executive Committee.
- B5.2.3.11 The Old Guard Committee, under the direction of the Executive Committee, shall have responsibility for administration of its competitions and awards. The Old Guard Committee shall consist of a Chair, a Vice Chair, and a membership as determined by the Executive Committee.
- B5.2.4 The Retirement Plan Committee, under the direction of the Committee on Executive Director/CEO Evaluation and Staff Compensation, shall have responsibility, as specified in the ASME Thrift Plan, the ASME Defined Contribution (DC) Plan, the ASME 457(b) Plan, and the ASME 401(k) Plan documents, including to act as Plan Administrator and Named Fiduciary for such plans and assume such responsibilities as developing investment policy statements, selecting and monitoring investment choices, benchmarking Plan administration expenses and investment plan administrators performance and selecting, appointing and retaining plan investment, governance and plan administration compliance advisors, as well as having the power to make ministerial and technically required plan amendments.

The Retirement Plan Committee shall consist of four members: two members of the Executive Team, the Chief Human Resources Officer and one Volunteer member selected by the EDESC. The three staff members will be nominated by the Executive Director/CEO and appointed at the discretion of the EDESC.

The ASME Staff members of the Committee may be members with vote for as long as they hold the positions described in this By-Law B5.2.4.





## **Board of Governors Meeting Agenda Item Cover Memo**

|                   |                                     |
|-------------------|-------------------------------------|
| Date Submitted:   | January 21, 2025                    |
| BOG Meeting Date: | February 11, 2025                   |
| To:               | Board of Governors                  |
| From:             | Committee on Organization and Rules |
| Presented by:     | Richard Marboe                      |
| Agenda Title:     | Proposed Changes to By-Law B5.5     |

### **Agenda Item Executive Summary:**

The Technical and Engineering Communities Council proposed changes to B5.5 to allow it to have up to four Members-at-Large.

### **Proposed motion for BOG Action:**

To approve for first reading changes to By-Law B5.5.

### **Attachment(s):**

Document attached.

## **B5.5 TECHNICAL AND ENGINEERING COMMUNITIES SECTOR**

- B5.5.1.1 The Technical and Engineering Communities (TEC) Sector, under the direction of the Board of Governors, is responsible for activities of the Society relating to engaging individuals and groups in advancing engineering skill, art, science, knowledge and practice, and in planning, developing and delivering new technical content in the form of new products, services, networking opportunities, conferences, events and delivery mechanisms across ASME's technology areas, as well as managing the current portfolio of products and services. The Technical and Engineering Communities Sector will maintain a current Sector Operation Guide containing operational details of the Sector not covered in these By-Laws.
- B5.5.1.2 The Technical and Engineering Communities Sector shall be led by a Sector Council that consists of the following voting membership: a Senior Vice President (SVP) as Chair, two Vice Chairs, and ~~two~~ up to four members-at-large. The non-voting membership of the Sector Operating Council shall include staff as appointed by the Executive Director/CEO.
- B5.5.1.3 The incoming Senior Vice President of the Technical and Engineering Communities Sector shall be nominated by the Technical and Engineering Communities Sector Council for appointment by vote of the Board of Governors for a term of three years.
- B5.5.1.4 Technical Divisions and Research Committees are part of the Technical and Engineering Communities Sector and report to the TEC Sector Council.
- B5.5.1.5 The Vice Chairs and the members-at-large shall be appointed by the Board of Governors as recommended by the Technical and Engineering Communities Sector Council. The term of the Vice Chairs and members-at-large shall be up to three years.
- B5.5.1.6 The Technical Committee on Publications and Communications (TCPC) is responsible for publications of the Society, except that the Standards and Certification Sector shall be in charge of codes and standards. The Committee shall consist of a Chair and a membership as approved by the Technical and Engineering Communities Sector Council.



## Board of Governors Meeting Agenda Item Cover Memo

|                   |   |
|-------------------|---|
| Date Submitted:   | January 14, 2025                          |
| BOG Meeting Date: | February 11, 2025                         |
| To:               | Board of Governors                        |
| From:             | William Garofalo, Chief Financial Officer |
| Presented by:     | William Garofalo                          |
| Agenda Title:     | YTD Financial Report                      |

Agenda Item Executive Summary:

A YTD financial report will be provided.

Proposed motion for BOG Action:

**None**

Attachment(s):

**None**



## Board of Governors Meeting Agenda Item Cover Memo

|                   |   |
|-------------------|---|
| Date Submitted:   | January 14, 2025  |
| BOG Meeting Date: | February 11, 2025   |
| To:               | Board of Governors  |
| From:             | Senior Vice Presidents  |
| Presented by:     | Andy Bicos, Jen Jewers Bowlin, Bob Stakenborghs, Rick Cowan and Tom Vogan |
| Agenda Title:     | Sector Reports  |

Agenda Item Executive Summary:

**In lieu of written reports, each Senior Vice President will give a short presentation during the open session of the BOG meeting providing an update on sector activities.**

Proposed motion for BOG Action: **none**

Attachment(s): **PowerPoint**

# PAO Report to the Board of Governors

Andy Bicos  
Senior Vice President  
Public Affairs & Outreach

February 2024

# Overview

*This presentation provides an overview of PAO committee activities for the first half of FY2025 (July-December)*

- Senior Vice President Recruitment
- Committee on Engineering Education
- Committee on Engineering for Sustainable Development
- Committee on Government Relations
- Committee on Pre-College Engineering Education (K-12)

## Senior Vice President Recruitment

- The goal is to strengthen the SVP position, enhance communication with the BoG, and ensure alignment with ASME's priorities.
- Active recruitment of SVP candidates will be escalated given the BoG approval of the sector realignment and vision.

## Committee on Engineering Education

- Efforts to establish **new program criteria are underway for robotics and mechanical engineering** programs continue, with updates incorporating Diversity, Equity, and Inclusion (DEI) initiatives.
- The shortage of program evaluators has improved, with a robust pipeline for future evaluations. Over one-third of ABET reviews now occur internationally, highlighting global reach.
- The annual Mechanical Engineering Education (MEEEd) Conference is scheduled for March 27–29 at USC in Los Angeles.
- Applications for scholarships opened on December 1, with deadlines varying by program.



# Committee on Engineering for Sustainable Development (ESD)

*PAO Report to the  
Board of Governors*



- Ongoing discussions about ESD's mission and its optimal positioning in ASME for maximum impact.
- Recent activities include a research meeting at IDETC 2024, revising the ESD Call for Papers, and producing 15 papers, one of which received 19 citations.
- Contributions to the United Nations STI4SDGs Guidebook continue, with plans to resume the seminar series in 2025.

## **Engineering for Change (E4C)**

- Engineering for Change (E4C) completed its 10th cohort with 46 fellows from 17 countries.
- Issued a call to action for 2025 impact projects, inviting individuals or organizations to propose or fund initiatives.
- The E4C Fellowship for early-career engineers is accepting 2025 applications through February.

# Committee on Government Relations

## CGR Succession Planning and Recruitment

- CGR is recruiting for 2 open Member-at-Large positions and for a new CGR Chair with a term starting July 1, 2025.
- Developing a recruiting strategy to increase participation in ASME's public policy activities using the ASME Community Engagement Center.

## Federal Fellows

- CGR has updated its Charter to transition oversight of the Federal Fellows Program to the ASME Foundation volunteer structure.

## 119<sup>th</sup> Congress Roadmap

- CGR is working with ASME staff to prepare updates to the ASME Public Policy Agenda and Legislative Action Plan for the new Congress.
- New priorities include:
  - elevated focus on intellectual property rights and standards policy issues
  - climate & sustainability
  - advanced manufacturing
  - bioengineering
  - space
  - diversifying and growing the STEM workforce

# Committee on Pre-College Engineering Education (K-12)

## Collaborations with Discovery Education

- Produced a podcast and article with *Industry Tomorrow*, highlighting industry's impact on K-12 STEM education.
- Engineering Dreams online platform was used by 25K students in the first half of FY25, with a geographic reach of 39 states and the District of Columbia. 74% of students using Engineering Dreams' resources are grades K-5, with 58% of recognized schools designated as Title 1.
- 51 onsite events during first half of FY25 through DropMEIn! and related programs, engaging 1,647 K-12 students.
- Over 40 virtual DropMEIn! classroom visits are scheduled between Feb-April 2025, largely in Los Angeles.

## Other significant engagement

- ASME “ME: Problem-Solver for Good” 4-week camp experience in Chicago.
- Four sessions at a children’s STEAM museum in Maryland.
- Day-long session for high school students at Microsoft offices in Virginia (second year of participation).
- Recent workshops include a 2-hour event at EFX Peru and participation in the STEM Connector conference
- On track to support 90 onsite student engagements by May 2025.

***Thank you!***

# Student & Early Career Development

*Update to the ASME Board of Governors*

June 2025

Jennifer Jewers Bowlin, SVP

# E-Fest: A global, digital brand

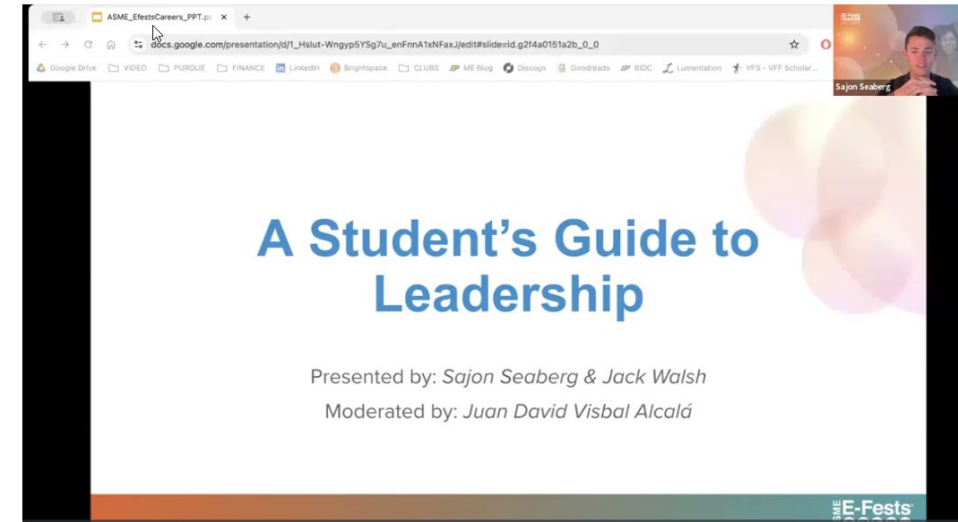
E-Fest Careers continues to be a strong brand focusing on career readiness since its launch in FY21

**FY25 event (September 21st) saw the largest registration numbers to date:**

- Total registration (all in): 9629 vs 6550 LY
- Total attendees: 2769 vs 2254 LY

## **Attendees % Geographical Mix**

- India – 85%
- US = 5%
- Pakistan = 3%
- Egypt, Mexico, Lebanon, Ecuador = 1% each



## **Challenges & Opportunities**

- Our current event platform is costly for free events
- We are looking at other platform options and regionalizing events like E-Fest Careers to focus on local topics and run during best local times

# EFx: In-Person Student-Led Global Events

## Key Accomplishments since July 1st:

- Successfully launched 6 EFx events (four in India; one in Colombia; one in Peru)
- Our EFx in Peru included a first ever K-12 workshop with 24 attendees

## Program Performance Metrics:

- 6 EFx events had 1,030 attendees in total

## Upcoming Initiatives:

- Coordination of AY25-26 competition rules underway for projected completion by end of Q3
- NEW: STEM Impact Challenge rules underway for AY25-26 launch (a competition to address a local challenge in the areas of health, environment, renewable energy and sustainability)
- 13-16 additional EFx events planned for remainder of FY25
- 2-3 additional K-12 workshops planned at EFx events for remainder of FY25





# ECE Programs

## Key success: Providing ECE-focused content at ASME events

- Recruited for and grew ECEPC volunteer team by 85% since Q1 FY25
- ECEPC-organized panel session at IMECE was full - ~85 attendees
- Largest attendance for ECEPC-organized session at E-Fest Careers - ~715 attendees

## Ongoing ECE challenges:

- **Conversion and retention:** SECD serves as a lead channel or top of the funnel program; downstream value proposition needs to be compelling to convert and retain both students and ECEs
- **Segmentation:** ECEs are a diverse community, there is no "one size fits all" approach; need to better differentiate segment-specific strategies (e.g., by industry, geography, etc.)
- **ECE Volunteers:** ECEs are very time constrained; ASME really needs to be in their "Top 2" for sustained engagement



# ASME TEC Sector Council

UPDATE – FEBRUARY 2025

# TEC Portfolio 2022 to 2024

## » 2022

- 40 Conferences
- 36 Divisions
- 4 Research Committees
- 8 Technology Groups

## » 2024

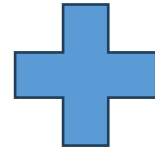
- 31 Conferences (21 in CY2025)
- 30 Divisions
- 0 Research Committees
- 7 Technology Groups

# Future ASME Conference Portfolio (by FY27)

## New Conference Products

### ASME CORE Conferences Products

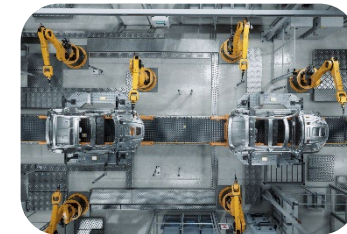
TURBO  
IMECE  
IPCC-E  
OMAE  
PVP  
SBC  
IDETC-CIE



Nuclear



Transportation



Manufacturing



Aerospace  
Materials



Engineering  
Principles



Sustainable  
Energy



Middle East  
Pipeline



# Proposed TEC Consolidation – Existing Conferences



## PVP+

- HyRRAC
- QNDE



## IDETC-CIE

- ISFA
- FPMC

# Proposed TEC Consolidation – New Conferences



## Nuclear

- CARD
- ICEM
- ICONE
- Fusion Technology



## Engineering Principles

- SHTC
- FEDSM
- ES (heat related topics)



## Transportation

- ICEF
- JRC



## Aerospace Materials

- SMASIS
- SSDM



## Manufacturing

- MSEC
- AMRGT
- IAMC
- InterPak



## Sustainable Energy

- ES (Solar, AESD)
- IOWTC
- Power
- ACES
- Energy Storage (Concept)

# TEC Consolidation Plan – New Divisions

Fusion Technology  
Robotics  
Space  
Sustainable Energy

# TEC Consolidation Plan

## Sunset from Portfolio

Asset Integrity Management Conference  
Bolted Joint Reliability Symposium  
Environmental Systems Division  
Gas Turbine Technology Group  
Information Storage & Processing Systems (ISPS) Division  
ISPS Conference  
Materials & Energy Recovery Division  
Materials Handling Engineering Division  
Plant Engineering & Maintenance Division  
Research Committee on Energy Environment & Waste  
Robotics for Inspection & Maintenance



# TEC Consolidation Plan

## Future Focus

- » With the Conference consolidation well underway, TEC Council will begin focusing on:
  - Improving the health of our Division operations
  - Reimagining Technology Groups
  - Forming focus groups to manage the process of creating new Divisions



# ASME SES Council (Section Engagement Sector)

UPDATE – FEBRUARY 2025





# Overview

## » Recent History

Section Operations has experienced remarkable growth and success over the past fiscal year, driven by our dedicated volunteers and strategic initiatives.

Our efforts to engage students, community volunteers, and leaders have yielded impressive results, demonstrating our commitment to fostering professional development and community service.

## » Council Expansion

To better serve our expanding membership, we have added two new Member-at-Large positions to our council. Nominees are:

Bryan Lewis -- student-to-professional transition program

Erkan Oterkus -- growth of international sections



# Membership Growth In FY 24 (tracking our SECTION discount code)

- **New Members:** 128 (256% increase from FY23)
- **Renewed Members:** 153 (212% increase from FY23)
- **Total Members:** 281 (231% increase from FY23)
- **New Students:** 770 (77% increase from FY23)
- **Renewed Students:** 201 (39% increase from FY23)
- **Total Students:** 971 (67% increase from FY23)
- **Grand Total:** 1,252 (88% increase from FY23)





# Student Leader Weekends

- » 5 weekends
- » 438 registered students and advisors
- » Provided valuable resources for section leaders, opportunities for networking with practicing engineers, and the chance to participate in community service projects
- » Nearly 1,000 care kits were assembled for local charities, showcasing our commitment to giving back.



This past weekend I had the opportunity to attend the ASME's Student Leader Weekend in Philadelphia. It was a pleasure being able to connect with fellow ASME sectional leaders and I learned a great amount about the many resources ASME has available for our organization. I look forward to taking advantage of these resources to create experiences which will further connect my fellow engineers at the University of Rochester and I want to thank the talented staff of ASME for making this weekend possible.



1  
Like Comment Repost Send



# New Initiatives

- **One-Day Sessions:** We successfully piloted one-day sessions for small communities in Birmingham, Minneapolis, and Kennewick, with 49 students and advisors registered to attend. This initiative will be expanded to additional cities in the upcoming year.
- **Student Ambassador Program:** Launched this year, our Student Ambassador Program features 5 student ambassadors who coach and advise other student sections. They have been instrumental in presenting at SLWs and identifying additional resources needed for section leaders.
- **Section Spotlight:** Our sections are doing incredible events, and we now highlight a section each month on our website @ <https://sections.asme.org/section-spotlights>. Telling their story and sharing with other sections as an example of a great event encourages and recognizes our volunteers.



2:11

←

Glory Gladden · 1st  
Mechanical Engineering Student at The Univer...  
50m · 📷

This past weekend, I had the privilege of attending the ASME Student Leader Weekend in Dallas, Texas! 🙌

It was a valuable opportunity to connect with fellow engineering students and explore new strategies for enhancing our ASME section at The University of Kansas.

I would like to extend my gratitude to Aly Trevino and the rest of the ASME (The American Society of Mechanical Engineers) team for organizing such an informative and well-executed event. The knowledge and skills gained during this weekend will be instrumental in driving the growth and development of our student section. 🙌

Looking forward to implementing these insights and contributing to our collective success!

#ASME #StudentLeaderWeekend  
#ProfessionalDevelopment  
#EngineeringLeadership





# Increased Activities and Funding

- » Sections have dramatically increased their activities this year, with over a 10% increase.
- » Additionally, there has been an 80% increase in grant funds requested and awarded, including over 30 requests from student sections. This growth reflects the high demand and enthusiasm for local events and initiatives.
- » Since late 2022, we have been tracking volunteer hours in late 2022. In 2023 and 2024, volunteers donated over 6700 hours with a value of over \$224,000 (per IRS valuation tables).
- » We are pleased that we have recorded over 1600 hours to date and expect to exceed previous years.





## In Summary

Our programs are making a tangible impact, fostering professional growth, community engagement, and leadership development. We are excited to build on this momentum and expand our reach even further in the coming year.



Includes Inspection Procedures for  
Electric Traction and Winding Drum  
Elevators, Hydraulic Elevators,  
Inclined Elevators, and Escalators  
and Moving Walks

## Pipeline Personnel Qualification

ASME Code

ASME Y14.5-2009

[Revision of ASME Y14.5M-1994 (E2004)]

## Welding Inspection

and Related  
Practices

## ASME Board of Governors Meeting February 11, 2025 Standards & Certification Sector

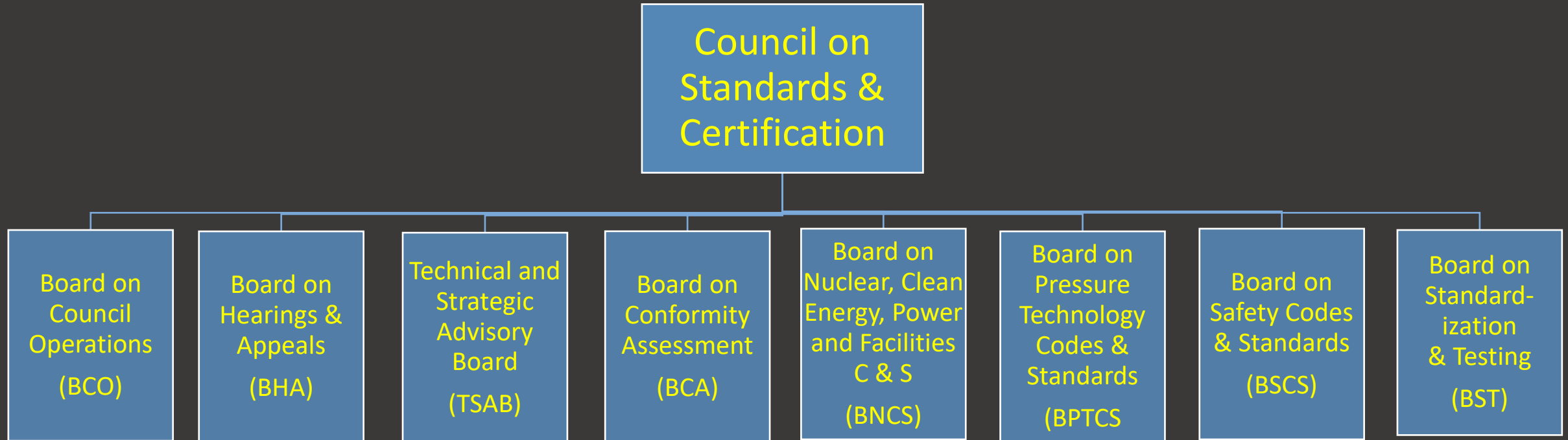
The Standards and Certification (S&C) Sector is responsible for the activities of the Society relating to Standards and Certification, including related conformity assessment programs, new code identification and development, and serving as a neutral convener on an international basis.

*Senior Vice President:  
Thomas Vogan, P.E.*

# S&C Council Membership

- Chair – Thomas Vogan
- Vice-chair – Robert McLaughlin
- Members at Large – 12
- Ex-officio Members – 7
- ASME Staff

# S&C Organization



# Standards & Certification Sector Demographics

- Standards Volunteer Membership – 6,216
  - 74% Domestic
  - 26% International
- Standards Development Groups – 874
- Standards Documents Published – 500 plus
- Conformity Assessment Volunteer Membership – 297
- Conformity Assessment Groups - 24
- Certification Applications – 624 - Increasing trend over FY2024
- New Company Certifications – 112 - Increased significantly over FY2024

# S&C Sector: Top Accomplishments – CY 2024

- Revisions to 15 ASME standards were issued, including B31.1 – Power Piping and B31.3 – Process Piping
- A new OM 2 Code – Component Testing at Nuclear Facilities was issued that provides requirements for Small Modular Reactors and other advanced reactors
- First Quality Program for Suppliers (QPS) Certificate Issued – October 2024
- Partnership with NEI and EPRI in our second advanced reactors standards harmonization (ARCSC) workshop - November 30, 2024
- Collaboration with TEC Sector/Nuclear Engineering Division for the second Conference on Advanced Reactor Deployment (CARD) - March 2024
- Interim Revision 19a to the Codes & Standards Operating Procedures was approved (October 24, 2024). Revision 20 is in process.



# S&C Sector: Top Accomplishments Continued

- BNCS scope expanded to include Nuclear, Clean Energy, Power and Facilities. Three Standards Committees moved from BST to BNCS
- Several standards publication cycles extended from 2 years to 5 years as a cost cutting and personnel efficiency measure
- Exploring the creation and staffing of a new Fusion Technology Division with the TEC Sector
- On track to issue the 2025 Edition of the ASME BPVC on July 1st, 2025
- Nominated new member at large (replacement) from the Nuclear Regulatory Commission
- Initiated nomination activities for selection of a new Senior Vice President for FY2027



# Standards & Certification Challenges 2025 and Beyond

- Artificial Intelligence and its relationship to Standards and Certification businesses and products; the opportunities and threats associated with this technology.
- Exploring both physical and technological avenues to eliminate the use of traveling code books for certification activities. Plans are under development, including communications to AIAs and other stakeholders.
- IP Strategy – an IP Strategy is being developed that will help to defend the copyright of ASME's most well-known product categories and the suites of products within them, and to also ensure that these IP products can be used to diversify ASME's offerings.

# Discussion



## Board of Governors Meeting Agenda Item Cover Memo

|                   |  |
|-------------------|--|
| Date Submitted:   | January 27, 2025   |
| BOG Meeting Date: | February 11, 2025  |
| To:               | Board of Governors   |
| From:             | Philanthropy Committee   |
| Presented by:     | Keith Roe, Chair, Philanthropy Committee and Stephanie Viola, Managing Director, Programs & Philanthropy |
| Agenda Title:     | ASME Foundation Campaign Update  |

### Agenda Item Executive Summary:

In the waning months of the initial five-year period of the Campaign for Next Generation Engineers, ASME Programs and Philanthropy—now consolidated into a unified Business Unit—reviews key achievements of the past five years, identifies significant learnings and market insights, and outlines its strategy going forward.

Although not limited to these, the three core strategies include (1) *local transformations*, where we offer corporate funders and academic institutions a menu of program options tailored to the communities where they operate; (2) *workforce development*, where we advance programs to attract, train, and employ technical talent in partnership with government and corporate funders; and (3) *sustainable innovation*, expanding our Engineering Sustainable Development programs to address the most urgent engineering challenges of our time.

The Campaign for Next Generation Engineers evolves from an initial five-year capital campaign to an ongoing fundraising platform positioned to scale ASME's philanthropic impact and influence for years to come.

Proposed motion for BOG Action:

**None**

Attachment(s):

**PowerPoint Presentation**

*The American Society of  
Mechanical Engineers®*  
**ASME®**

**ASME**  
FOUNDATION

# Board of Governors FY25 Strategic Highlights

February 2025

## *A New Generation of Engineers* **Building a Sustainable World**

**Engineering a better world requires that we leave no brilliant talent behind.**

Through groundbreaking education, early career, and innovation programs, the ASME Foundation supports promising young people— especially women and those from underrepresented groups—to advance engineering for the benefit of humanity.

***We inspire and launch careers that will create a sustainable future for everyone.***



# Programs and Philanthropy Highlights

## *Impact Highlights of* **ASME's Programs**



### **SCHOLARSHIPS**

Since 2020, we've awarded over \$2.5 million to 565 recipients, 56% from underrepresented groups



### **K-12 PROGRAMS**

To date, reached over half a million students; now adding summer initiatives and international sessions



### **WORKFORCE DEVELOPMENT**

The CCEP program has expanded to over 40+ community colleges. In 2024 we launched a \$4 million Department of Labor-funded apprenticeship program



### **FEDERAL FELLOWS**

Increased applications by reframing Federal Fellows program to invite a wider and more senior/specialized pool of applicants



### **PARTNERSHIPS**

Leveraged corporate partnerships, i.e. Autodesk's funding Future of Manufacturing report; Ocean Clean Up Challenge, and new manufacturing curriculum



### **SUSTAINABILITY**

Supported 231 ISHOW finalists with over \$1.2 million in seed capital addressing 17 of the UN SDGs in 36 countries



*Key Achievements in*

# ASME Philanthropy (2020-2025)

Despite a global pandemic, launched an ambitious five-year capital campaign

Grew to 12-person team including specialists in individual, corporate, and government outreach

Established ongoing relationships with individual and marquee corporate donors

Created two successful annual fundraising events—*Optimism Engineered* and *Reinventing the Future*—with a robust calendar of other regional events

Consolidated the Programs and Philanthropy departments effecting new synergies and responsiveness to market needs

Launched and mobilized ASME Foundation India (AFI) with local strategic mandates

Expanded Foundation stakeholders to include previously underrepresented communities

***ASME Philanthropy has raised \$24.5M to date (Q2/FY25) for the Campaign for Next Generation Engineers.***

## Vision and Goals

# Campaign for *Next Generation* Engineers 2.0

(2025-2030)

- › **SCALE** ASME programs to double the number of diverse students and early-career engineers reached annually
- › **EXPAND** ASME Programs' reach and influence on a global stage, with a key focus on strengthening ASME Foundation India (AFI)
- › **INCREASE** capacity to meet annual fundraising targets by cultivating more corporate, government, and institutional donors
- › **IMPACT** the culture of engineering to include sustainability as a core standard of engineering excellence
- › **BUILD** the reputation of the ASME Foundation, locally and nationally, to be the go-to resource on technical workforce development
- › **CONSOLIDATE** programs portfolio for even greater and more measurable impact



## *A New* **Engineering Landscape**

## Guiding Strategies

# Campaign for *Next Generation* Engineers 2.0

### LOCAL TRANSFORMATIONS

- › The ASME Foundation is uniquely able to assess local skills gaps and provide a targeted menu of programs to fulfill those needs.

*Insight:* Corporations are interested in developing their own *local communities* first.

### WORKFORCE DEVELOPMENT

- › Public and private funders are ready to invest in efficacious technical education programs to nurture new talent.
- › The ASME Foundation will accelerate outreach to win large-scale government and foundation grants.

*Insight:* A renaissance in US *manufacturing and technical innovation*.

### SUSTAINABLE INNOVATION

- › The Foundation will continue to promote sustainability as a core pillar of our mission and thematically in all our programs.

*Insight:* ASME continues to champion *sustainability*, as will significant private investment sources.



## Programs and Philanthropy *Innovations* (2025-2030)

### PROGRAMS

- › Expand International K-12 Programing including support for ME leaders in engineering education
- › Fuel local talent via ASME STEM Engines
- › Deepen impact partnerships (STEM Global Action)
- › Launch ASME Women's Leadership Collective
- › Ignite New Workforce Development and Early Career initiatives

### PHILANTHROPY

- › Implement "regional ecosystem transformations"
- › Grow government grants and partnerships across ASME enterprise
- › Expand calendar of high-impact fundraising events
- › Amplify ASME leadership engagement (i.e. Launch of Executive Council)
- › Continue to develop creative funding options (i.e. naming opportunities; matching challenge gifts)
- › Enhance data-driven storytelling

# *The Importance*

## of ASME Programs and Philanthropy to ASME

- › Positions ASME as modern, forward-looking, and a leader in changing the culture of engineering
- › Builds a new generation of the most diverse, best trained engineers ready to innovate a sustainable world for everyone
- › Addresses two of the most galvanizing issues of the day—equity and sustainability
- › Supports ASME's strategic priorities as a purpose-driven organization
- › Instills pride in member/staff/leader affiliation with ASME
- › Inspires a new generation of ASME members



Thank you for your *leadership*.

The ASME Foundation  
*Empowering Next Generation Engineers*

**The American Society of Mechanical Engineers®**  
**ASME®**

**ASME**  
FOUNDATION



**ASME Foundation**

Two Park Avenue, 20th Floor  
New York, NY 10016-5990

**ASME Foundation Washington Center**

1828 L St. N.W.  
Suite 406  
Washington, DC 20036-5104



## Board of Governors Meeting Agenda Item Cover Memo

|                   |  |
|-------------------|--|
| Date Submitted:   | January 14, 2025                                     |
| BOG Meeting Date: | February 11, 2025                                    |
| To:               | Board of Governors                                   |
| From:             | Alexander Marrero Laureano, Chair, ECLIPSE Committee |
| Presented by:     | Alexander Marrero Laureano                           |
| Agenda Title:     | <b>ECLIPSE Report</b>                                |

An update on the ECLIPSE program will be provided.

Proposed motion for BOG Action:  
**None**

Attachment(s):  
PowerPoint

# ECLIPSE EARLY CAREER LEADERSHIP PROGRAM UPDATES





# AGENDA

ECLIPSE History

ECLIPSE Committee & Alumni Group

Program Challenges

Reimagining the ECLIPSE Program

Application & Selection Process

Positive Indicators

ECLIPSE 2024-25 Group Project Preview

# ECLIPSE History

- ECLIPSE Program created in 2006 as successor to the Leadership Development Initiative and the Minority Leadership Program
- 250+ participants since 1992 across all 3 programs
- A large portion of ECLIPSE, LDI, and MLP alumni continue as active volunteers in ASME, including current and former Governors, Senior Vice Presidents, other senior volunteers

# ECLIPSE Committee & Alumni Group

## **ECLIPSE Committee**

- Responsible for outreach and selection of ECLIPSE engineers
- Provides support to participants throughout the program
- Collaborates with ASME leadership to align the group project with a real-world challenge or priority identified by ASME executives

## **ECLIPSE Alumni Group**

- Highlights pathways for ongoing ASME engagement and volunteerism
- Provides peer mentoring from ECLIPSE alumni to help program participants transition to other ASME roles
- Encourages graduates to be active in the ECLIPSE Alumni Group





# Program Challenges

- **Recruitment:** Connecting with and attracting enough qualified applicants
- **Program Experience:** Ensuring consistency for participants
- **Mentorship:** Inconsistent across units
- **Transition:** Finding roles in ASME after completing the program can be challenging, particularly for participants outside the U.S.

# Reimagining the ECLIPSE Program

- Holistic approach to ECLIPSE:
  - Identifying prospective members early
  - Preparing them to participate in ECLIPSE
  - Creating a consistent experience for all during the program
  - Offboarding and transitioning to future ASME roles
- Mentor Onboarding:
  - For FY26, we will add onboarding and more resources for mentors
- Updated Terminology
  - Participants are no longer called Interns
  - The program will still be called ECLIPSE, but the acronym will no longer be spelled out

# Application & Selection

## New Application Process

- Initial applications are submitted via the community Engagement Center
- After applying on the CEC, applicants are sent a checklist that outlines all required documents to submit a complete application, including a letter of reference from an ASME member
- Completed applications due February 21

## Selection & Placement Process

- Applications reviewed by the ECLIPSE Committee using a rubric to evaluate candidates
- Top candidates shared with unit leadership for selection and placement
- Placement takes applicant and unit preferences into account
- Mentors assigned by unit after placements are finalized

# Positive Indicators

- Increased applicant numbers via CEC
- Exit interviews and peer mentoring for outgoing participants implemented in 2024, increasing opportunities for feedback
- Interest from units that have not previously hosted ECLIPSE

# ECLIPSE 2024-25 Group Project Preview

**Topic:** Understanding trends and strategies to boost ASME membership

## **Summary:**

This project will examine global trends, generational shifts, and member motivations in professional associations. It will include insights from interviews with early career engineers around the globe, analyze economic and generational challenges, and offer key takeaways to support future growth.



# Questions?





## **Board of Governors Meeting Agenda Item Cover Memo**

|                   |  |
|-------------------|--|
| Date Submitted:   | January 14, 2025                         |
| BOG Meeting Date: | February 11, 2025                        |
| To:               | Board of Governors                       |
| From:             | Anand Sethupathy, Chief Strategy Officer |
| Presented by:     | Anand Sethupathy                         |
| Agenda Title:     | 2024 BOG Planning Meeting Update         |

### **Agenda Item Executive Summary:**

A brief overview will be provided regarding the subsequent work after the 2024 BOG Planning meeting along with a brief preview of the BOG Planning Meeting scheduled for July 2025.

Proposed motion for BOG Action: None

Attachment(s): PowerPoint

# **Board of Governors Planning Meeting**

## **Progress since 2024 and planning for 2025**

**Developed By:** Anand Sethupathy, Chief Strategy Officer, ASME

**Date:** February 11, 2025

# 2024 BoG Planning Meeting Agenda

After the onboarding, the following strategic topics were covered during the 2024 BoG planning meeting.

| Day                | Topic  | Day               | Topic   |
|--------------------|--|-------------------|---|
| Wednesday, July 10 | Scenario Planning & Breakouts <ul style="list-style-type: none"><li>- Purpose Driven Organization</li><li>- Sustainability</li><li>- Pervasive Data &amp; Computing (AI)</li></ul> | Thursday, July 11 | Global Perspectives <ul style="list-style-type: none"><li>- ASME’s International Footprint</li><li>- ASME in Europe</li><li>- E4C in Europe</li></ul> |
| Wednesday, July 10 | ME 2024 Study – Deep Dive & Breakouts <ul style="list-style-type: none"><li>- Practicing Engineers</li><li>- Academics</li><li>- Students</li></ul>                                | Friday, July 12   | Sustainability Activity & Discussion  |
| Thursday, July 11  | Gartner: Megatrends (Shifting Demographics, Conscious Consumerism, Democratization of Gen AI)  | Friday, July 12   | Reflections & Wrap Up   |
| Thursday, July 11  | Megatrends Breakouts & Discussion <ul style="list-style-type: none"><li>- Shifting Demographics</li><li>- Conscious Consumerism</li><li>- Democratization of Gen AI</li></ul>      |                   |   |

# Progress Since the 2024 Meeting

Considerable progress is being made across ASME on the areas of focus identified during the BoG planning meeting.

## Purpose Driven

- Continued commitment to DEI; Historic balance on Boards
- ASME secures 4-year DOL grant for apprenticeship program
- Scenario planning for new administration

## Sustainability

- Continued CoS development and strategy for ecosystem engagement
- TEC Transformation enabling strategic alignment and growth
- Flagship sustainability conference and India-specific strategy

## Artificial Intelligence

- Enabling AI Policies under development
- AI infrastructure
- Evaluating AI opportunities

## International

- Europe business and scenario planning in progress
- IMECE India 2025 announced and 1,000+ abstracts submitted
- Scenario planning for new administration



# Feedback from 2024 Meeting

The following feedback was collected from the reflection session and notecards at the end of the 2024 BoG planning meeting.

- Overall, most attendees liked the format and the general content
- Include more time for breakouts and more breakouts overall
- Enjoyed being International
- Enjoyed having consultants and an external perspective
- Improve timing, some speakers got cut off
- Include more time for large group discussion after the breakouts
- Valuable opportunity to learn more about ASME and ASME's operating environment
- Valuable opportunity to get to know other colleagues better in both the formal and informal settings
- Appreciated the half day format spread over more days
- Suggestion to have more focus on DEI
- Suggestion to send out the decks and breakout questions in advance as pre-reads so more time can be focused on conversations
- Curate the breakout groups more so each member is with different people each time and so that each member gets diverse topical experiences through the breakouts

# 2025 BoG Planning **DRAFT** Meeting Topics

Listed below are draft topics under consideration for the 2025 BoG Planning meeting.

| Day                | Topic  |
|--------------------|--|
| Monday, July 14    | <ul style="list-style-type: none"><li>▪ ASME Technology Roadmap – Update</li><li>▪ Emerging AI Technologies – Demo of New Capabilities in the Market</li><li>▪ AI, Data, and IP Strategies</li></ul> |
| Tuesday, July 15   | <ul style="list-style-type: none"><li>▪ Shifting Policy Landscape &amp; Impacts on ASME</li><li>▪ DEI – Path Forward</li><li>▪ Sustainability – Emerging Landscape</li></ul>                         |
| Wednesday, July 16 | <ul style="list-style-type: none"><li>▪ Customer Experience (CX)</li><li>▪ Driving ASME towards Customer Obsession</li><li>▪ Wrap Up &amp; Reflections</li></ul>                                     |



## **Board of Governors Meeting Agenda Item Cover Memo**

|                   |   |
|-------------------|---|
| Date Submitted:   | January 21, 2025                                  |
| BOG Meeting Date: | February 11, 2025                                 |
| To:               | Board of Governors                                |
| From:             | Board of Governors                                |
| Presented by:     | Sean Bradshaw, Chair, Committee on Sustainability |
| Agenda Title:     | Committee on Sustainability - Report              |

### **Agenda Item Executive Summary:**

Sean Bradshaw, Chair, Committee on Sustainability (CoS), will provide a progress report on the ASME Climate Strategy implementation plan and future state for ASME Sustainability governance.

### **Proposed motion for BOG Action:**

None

Attachment(s): PowerPoint presentation

# ASME - Climate Action Briefing: Committee on Sustainability

Board of Governors Meeting  
February 11, 2025

## Climate Action Strategy: Progress Report



# ASME's Approach to Sustainability

CoS is taking a holistic approach to sustainability, developing roadmaps for the 4 climate action pillars, defining ASME's ecosystem engagement strategy and adapting to evolving domestic priorities.

## ASME's Approach to Sustainability aims to:

Advance engineering and technology by integrating social, environmental, economic, and regulatory considerations, enabling engineers to accelerate climate action, facilitating policy discussions and academic research, upskilling engineering workforce, and aligning ASME's strategy with IPCC's goals to limit global warming to 1.5°C and the UN Sustainable Development Goals (SDGs).

## ASME Strategic Climate Pillars

Clean and Affordable Energy  
(ex. Hydrogen, SMRs)

Clean and Efficient Operations  
(Industry and ASME)

Upskilling the Future of the  
Workforce

Sustainable Factories,  
Sustainable Manufacturing and  
Hard to Decarbonize Industries

**Deepening ASME sector engagement with the climate strategy** in alignment with the climate pillars.

Considering **future governance models** to embed sustainability across the Society.

# Strategic Framework Co-Design


Established sub-committees to co-design detailed strategic frameworks that will guide ASME's product and programs portfolio.

## ASME Strategic Climate Pillars Kicked off!

Clean & Affordable Energy 

Clean & Efficient Operations 

Upskilling the future of the workforce

Sustainable Factories &  
Manufacturing &  
Hard to Decarbonize Industries 

## Sub-Committee Membership

- Deepa Poduval, Black & Veatch
- Craig Hart, US Dept of Commerce
- Twish Mehta, Loblaw's
- Bob Hauck, GE Healthcare (retired)
- Francesco D'Amore, University of Southampton
- Asha Balakrishnan, Science & Tech Policy Institute
- Cristina Contreras, Sinfranova
- Alain Lefevre, Schneider
- Ryan Macpherson, Autodesk
- Raul Montano, Hitachi Energy
- Heloisa Schmidt, Bechtel
- Thomas Wenning, Oak Ridge National Lab
- Marco Brunelli, Siemens Energy
- Cynthia Thomson, Terra.do
- JFFLabs (nominee pending)
- Janelle Heslop, NASA
- Brandon Riney, Honeywell

# Sector Spotlight: Technical & Engineering Communities

Numerous engagements with technical divisions and TEC Council related to opportunities to collaborate in alignment with the strategic climate action pillars and cross-cutting issues

Minutes Appendix 2.6  
Page 6 of 16

## Clean and Affordable Energy:

- Exploring joint programming at a flagship ASME sustainability conference (in development).
- Interest from Heat Transfer, Solar and Advanced Energy Systems Divisions

## Upskilling Workforce & Sustainable Manufacturing:

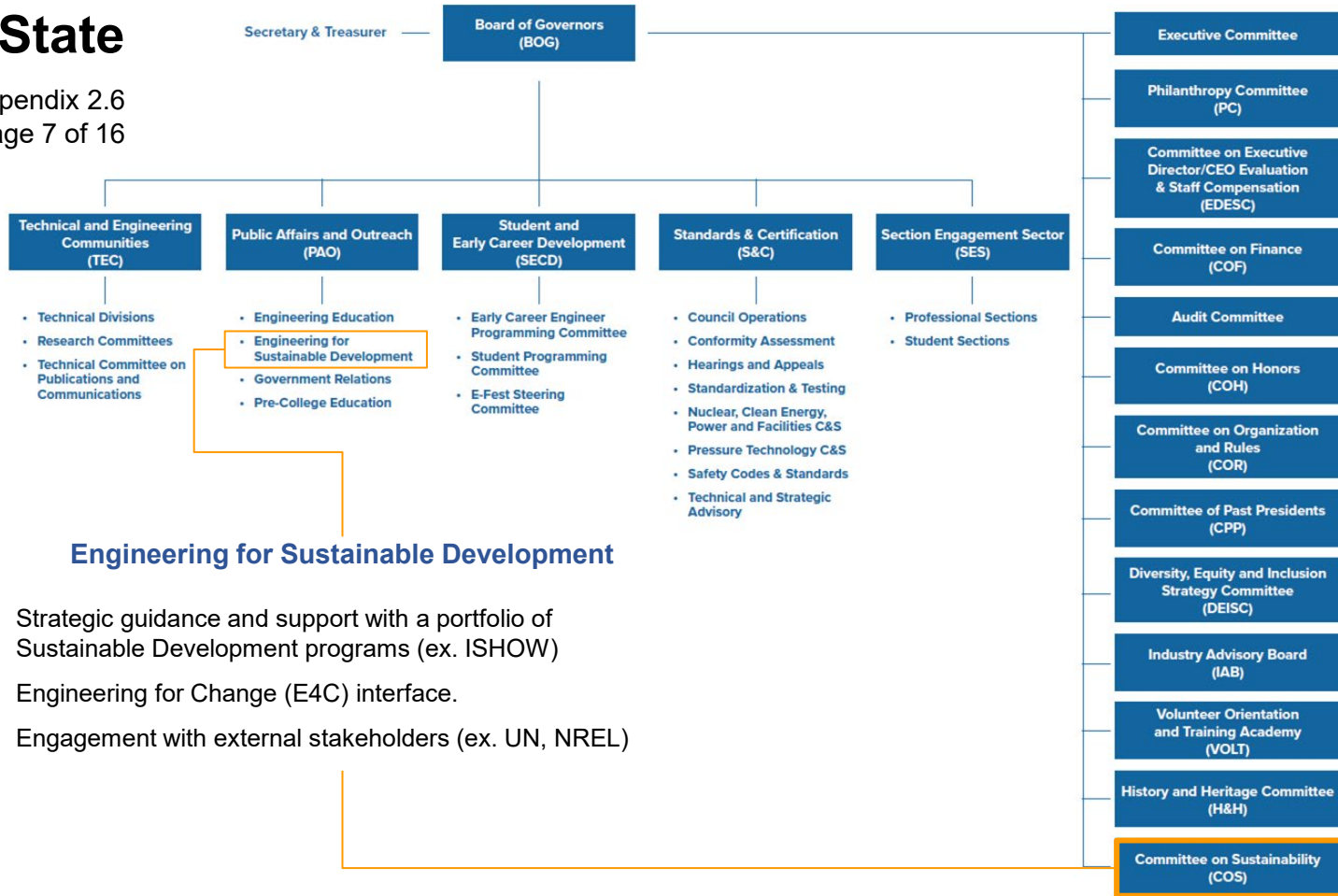
- ASME L&D Developing Design for Sustainability micro-credential program
- Engaging with Manufacturing Division and Design Engineering Division Technical Committee: [Design for Manufacturing and the Life Cycle \(DFMLC\)](#).
- Exploring joint programming at a flagship ASME sustainability conference (in development)

## Climate Risk:

- Sustainability metrics/reporting increasingly includes climate risk assessment.
- Engaged Safety Engineering and Risk Analysis Division (SERAD) in whiteboarding initiatives

# Future State

Minutes Appendix 2.6  
Page 7 of 16



## Engineering for Sustainable Development

Strategic guidance and support with a portfolio of Sustainable Development programs (ex. ISHOW)

Engineering for Change (E4C) interface.

Engagement with external stakeholders (ex. UN, NREL)

## Federal Landscape Shifts & Implications



# Federal Landscape Shifts

Expected sustainability implications. Monitoring reports and administrative appointments. Engaging with aligned networks, industry partners and volunteer leadership to define approaches in a new political landscape.

## Inflation Reduction Act

- End solar and wind tax credits
- Broaden hydrogen tax credit rule to encompass fossil fuel sources
- Eliminate Office of Clean Energy Demonstrations\*

## Carbon tax & pricing

- Oppose taxes on domestic energy-intensive goods
- Impose carbon tax on Chinese imports
- Stop assessing impacts of carbon pollution in federal rulemaking

## Climate diplomacy

- Step back from global climate talks, block U.S. contribution to UN's Green Climate Fund

## Climate risk

- Withdraw Biden-era rule requiring large public companies to disclose their risks from climate change

## Hydrogen

- Revise rule to increase tax credit benefits to producers making hydrogen from fossil fuels with carbon capture and storage

## Nuclear

- Support nuclear energy as a form of energy independence

## Offshore wind

- Support pausing offshore wind permits, similar to Biden's pause on liquified natural gas permits

## Solar

- Impose more tariffs on China-made solar panels and parts

\* Possibly re-orient vs. eliminate

Source: [With Donald Trump victory, here are his energy and climate positions](#). CIPHER, November 6

Clean Energy → Energy Dominance

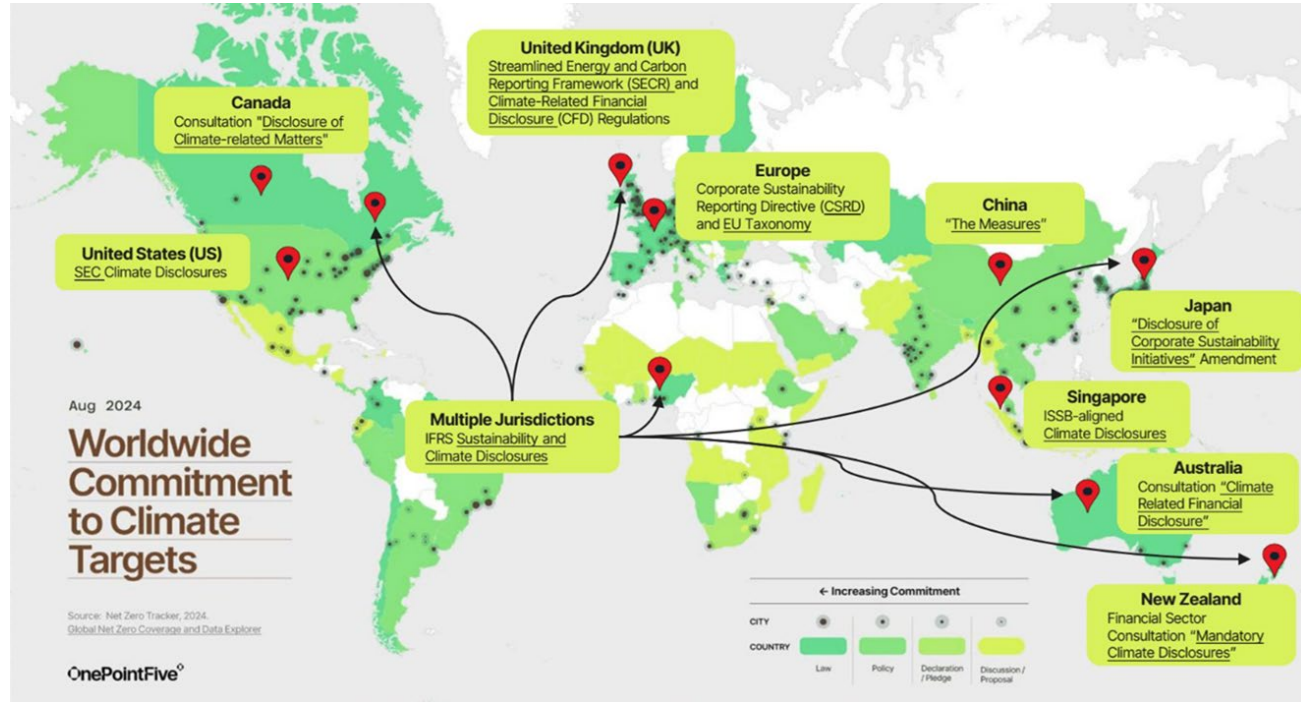
Climate → Economy

Innovation → Efficiency

Federal funding opportunities → Developing projects

# Sustainability is a marathon, not a sprint

ASME is committed to a non-partisan approach to driving the sustainability agenda. Change in regional political leadership will not dismantle what is now an interconnected, global system.



## Ecosystem Engagement & Coalition Building

# Ecosystem Engagements

Minutes Appendix 2.6

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Contributed expertise at NYC Climate Week and COP29. Connected with stakeholders, grew brand awareness, strengthened relationships and elevated the pressing need for clean energy and a skilled STEM climate workforce.

**NYCW:** ASME CoS Member - Cristina Contreras - with OnePointFive, LinkedIn & Amber Infrastructure



**COP29 side event:**

*Clean Energy Solutions for Hard-to-abate sectors*



*Organized by European Nuclear Society, Generation Atomic, American Nuclear Society & Voices for Nuclear.*

*Engagement by ASME IAB member - Neil Wilmshurst*

**ANSI World Standards Week** (November 2024) Explored how industry, SDOs, consortia, governments, academia and civil society can work together to support greater sustainability worldwide. ASME staff facilitated the networking event and engaged in the conference.

## **Networking Event: Connections for Sustainability**

## **Conference: Standards and Sustainability: Shaping the Future**

### **Themes:**

Standards and Regulations Across Borders,  
Navigating the Future: Sustainability and ESG in Focus  
Closing the Loop: Pioneering Approaches to Circularity

**Attendees:** Representatives from industry, government, standards developing organizations, civil society, and consumer groups

### **Noteworthy:**

- Advanced sustainability portfolios showcased by ISO, UL, ASHRAE, ASCE, Solar Energy Industries Association & TIC Council
- Transition from voluntary reporting to mandates across global jurisdictions will not be reversed by changes in regional leadership.
- Harmonization of reporting frameworks and adoption of standards will ensure a resilient system
- There is increase in private sector action related to sustainability and a need for technical standards combined with conformity assessment to deliver substance.



# Deepening Industry Engagement

Minutes Appendix 2.6

Page 14 of 16



Aiming to collect market insights, build audience, cultivate partners, pilot new programming approaches, demonstrate thought leadership and grow brand awareness. Collaboration with Informa Markets.

ASME Delegation: John Grimes, Dave Bradfield, Chris Cantrell, Iana Aranda, Pepi Maksimovic (IAB CoS Liaison)

## Sustainable Manufacturing Expo

Anaheim, California, February 4-5, 2025

### SPEAKERS



**Christopher Cantrell**

Senior Managing Director,  
Standards and Engineering Services  
at ASME (The American Society of  
Mechanical Engineers)

ROLE: SPEAKER



**Pepi Maksimovic**

Distinguished Engineer,  
Sustainability at Ansys

ROLE: SPEAKER

- ASME / Informa Sustainability Lounge with startup *Recyletek* showcasing AI powered deposit return systems & technology
- Pre-event webinar featuring ISHOW Alumni - BURN
- Podcast on Workforce enabling Sustainable Manufacturing
- Fireside chat on *Advancing Sustainable Manufacturing Through Digital Innovation and Standards*
- Roundtables on Circular Economy Practices and Energy Efficiency Management
- Registration Code for ASME members to register for free.



# The Year Ahead

Minutes Appendix 2.6

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ASME engagements leading up to and following COP30. Aiming to gain insight, build momentum on strategic initiatives, raise awareness and acquire audience for ASME's flagship event.



# Thank you for your time!



## Questions?

Stay up to date on ASME's Sustainability Related Programs, Academic Research, Media, Events and Committees

[asme.org/about-asme/sustainability](https://asme.org/about-asme/sustainability)

Co-hosting joint NY Climate Week event with Indiaspora at ASME HQ

# Dates of Future Meetings

| DATE           | DAY       | TIME               | LOCATION                                 |
|----------------|-----------|--------------------|--|
| March 17, 2025 | Monday    | 1:30 pm – 2:30 pm  | Virtual Information Session              |
| April 30, 2025 | Wednesday | 12:00 pm – 5:00 pm | 2 Park Avenue, New York, NY              |
| May 1, 2025    | Thursday  | 8:00 am – 12:00 pm | 2 Park Avenue, New York, NY              |
| June 6, 2025   | Friday    | 9:00 am – 3:00 pm  | DoubleTree by Hilton Hotel, Portland, ME |
| June 8, 2025*  | Sunday    | 9:00 am – 3:00 pm  | DoubleTree by Hilton Hotel, Portland, ME |

# FY25 ASME Philanthropy Calendar

| DATE              | DAY       | TIME               | EVENT, LOCATION  |
|-------------------|-----------|--------------------|--|
| February 19, 2025 | Wednesday | 12:30 pm – 7:30 pm | Lone Star College-CyFair in Cypress, Texas   |
| February 20, 2025 | Thursday  | 6:00 pm – 9:00 pm  | Reception Honoring Kenneth Warren (ExxonMobil) with Holley Medal, Woodlands, Texas |
| February 21, 2025 | Friday    | 6:00 pm – 9:00 pm  | Top Golf Fundraiser, Spring, Texas   |
| February 22, 2025 | Saturday  | TBD                | K-12 STEM Event, Houston, Texas  |
| March 20, 2025    | Thursday  | 6:00 pm – 10:00 pm | Reinventing the Future 2025, Intercontinental Hotel-The Wharf, Washington, D.C.    |
| May 1, 2025       | Thursday  | 6:00 pm – 10:00 pm | Optimism Engineered 2025, New York City, New York                                  |