Two Park Avenue
New York, NY
10016-5990 U.S.A.
tel 1.212.591.7000
fax 1.212.591.7674
www.asme.org

FY25 BOARD OF GOVERNORS

Friday, June 6, 2025, 9:00 AM – 2:00 PM (EDT)
Portland, Maine

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, Tom Kurfess, Monica Moman-Saunders, Dave Schlesinger*, Lester Su, Janis Terpenny, Jared Oehring, Patrick Vieth Absent: Bill King
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, TEC 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	
Paul Adedeji	ECLIPSE Member**
Shanshan Chu	ECLIPSE Member**
Radhika Dharmadhikari	BOG ECLIPSE Member
Brandon Graham	Incoming BOG ECLIPSE Member**
Alex Hoffs	Chair, Industry Advisory Board*/**
Aman Ved Kalia	ECLIPSE Member**
Akin Keskin	Member at Large, TEC
Madiha Kotb	Past President, 2013-2014
Rick Marboe	Chair, COR*/**
Clive Matsika	ECLIPSE Member**
Marko Mendoza	ECLIPSE Member**
Bobby Noble	Member at Large, TEC
Peter Oviroh	Chair, Management Division
Edwin Caizalitín Quinaluisa	ECLIPSE Member**

Keith Roe	Past President, 2016-2017*/**
Abdulrahman Samy	ECLIPSE Member**
Bob Sims	Past President, 2014-2015
Susan Skemp	Past President, 2002-2003*/**
Shannon Stott	TEC Member
Enakshi Wikramanayake	ECLIPSE Member**
Charla Wise	Past President, 2017-2018*

Staff

Iana Aranda	Sr. Director, Engineering Global Development*
John Beck	Manager, Membership Operations*/**
Brian Behnke	Director, Global Learning Operations*/**
Keith Bloesch	Sr. Managing Director, Business & Technology Solutions
Susie Cabanas	Manager, Global Alliances & Board Operations
Chris Cantrell	Sr. Managing Director, Standards Engineering Services*
Arin Ceglia	Managing Director, Learning & Development*
Chandra Clouden	Chief Human Resources Officer
Marvin Dendy	Desktop Support Technician*/**
Cymbeline D'Cruze	Executive Officer, Business Development Support, ASME India
Timothy Graves	Managing Director, Technical Conferences & Member Communities
Josh Heitsenrether	Sr. Managing Director, Marketing & Digital Standards*
Nina Holtz	Communications Specialist
Phyllis Klasky	Director, Events Management
Steven Laux	Manager & Producer, Strategic Communications
Drew Lentz	Director, Learning Technology & Product Development*/**
Andreana Loukidis	Creative Content Creator
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
Susanne Prosser	Portfolio Manager, Membership Benefits*/**
Christine Reilley	Managing Director, Publishing*
Nachalie Rodriguez	Executive Assistant, Executive Office
Karen Russo	Director, Executive Operations
Anand Sethupathy	Chief Strategy Officer
Luwisa Smart	Coordinator, Constituent Engagement & Experience
David Soukup	Managing Director, Governance*
Eric Tominac	Manager, Technical Support & Services*/**
April Tone	Senior Manager, TEC
Angelique Vesey	Senior Director, Technical & Engineering Communities
Stephanie Viola	Managing Director, Philanthropy/ED, ASME Foundation*/**

** Via Zoom*

*** Part-time Attendance*

1. Opening of Meeting

1.1 Call to Order: On June 6, 2025, a meeting of the FY25 Board of Governors of the American Society of Mechanical Engineers was held at the DoubleTree by Hilton in Portland, Maine and simultaneously via the Zoom application. A quorum was present, and the meeting was called to order by President Ipri-Brown at 9:01 AM EST.

1.2 Adoption of the Agenda: On motion made and seconded, the Board unanimously voted to adopt the agenda as circulated on May 29, 2025.

1.3 President's Remarks: President Ipri-Brown expressed her pleasure at being in Maine for the final meetings of FY25. She also highlighted that June celebrates National Pride Month and noted that ASME's celebration in D.C. was impactful. June is also National Safety Month, which is significant for ASME's history and its impact on standards.

Besides the Board of Governors, attending these meetings are a range of committees; Management Division, TEC Council and the Old Guard are a few. This weekend will be busy with continued conversations from the last Board meetings creating continuity up and until the July Planning Meeting. May through August is also a busy time for our volunteers. OTC and Boiler Code Week are among some of the events to take place. The first Student Leadership Weekend was in Bogota, Columbia which was a success and set a milestone in bringing student programming across the nations. She acknowledged graduation season and welcomed the new set of mechanical engineers who are starting their careers.

1.4 Executive Director/CEO's Remarks: Mr. Costabile welcomed everyone to Portland and thanked the volunteers and staff. In FY22, ASME established four strategic priorities: Diversity, Equity and Inclusion, Digital Transformation, Membership and Financial sustainability. In FY23 and FY24, they were enhanced to include Customer Experience, Culture & Workforce Transformation, Portfolio Development & Management and Finance & Business Acumen. In FY25, these were refined and ASME began to develop the financial framework for several opportunities over the next two years.

An update to the proposed FY26/27 Business Plan and Budget will be provided at the closed session of the June 8 Board meeting. The highlights will include transformation of DEI, Reorganization of TEC, Sustainability, Membership, International, AI & ASME and the Capital Campaign.

This year, accomplishments include a review and dissemination of changes due to the federal executive orders including DEI, now a way of life and in ASME's DNA. Together, with the Board and consultants, ASME staff reviewed ASME policies, contracts, documentation, and the website identifying 320 potential areas of conflict with the executive orders. Seventy-five percent of the areas identified were found to not require changes. The top challenge is rebranding regarding the acronym "DEI". The DEISC committee will be discussing renaming the committee as part of their meeting this weekend.

The TEC sector reorganization continues with the team's desire to align the divisions and focus on the changing global environment. The Committee on Sustainability continues to grow and the team is working on a new conference to be held in 2026. Details will be forthcoming. The membership model continues to be reviewed with some continued issues.

ASME continues to develop its global strategy which includes opening a new office in Singapore. Alex Tan has accepted our offer will oversee all functions in the Singapore office. The Board will have the opportunity to meet Alex later this year during a Board meeting. Chat GPT is only two and a half years old and growing. We are reviewing and testing the use of AI within ASME starting with a model of our financial systems.

The Capital Campaign continues to be successful. ASME staff is assessing the impact on giving per the draft "One Big Beautiful Bill" act which can modify provisions of the 2017 Tax Cuts and Jobs Act expiring at the end of 2025. Of concern is having to pay taxes on the gains we have generated.

The new D.C. office opened in October and has been favorably received. Construction continues for a new office on the 16th floor of Two Park Avenue with scheduled completion by June 30. The New Jersey office is moving into the old Verizon headquarters. It is currently a month behind schedule, with occupancy occurring sometime in late August.

A sublease was concluded for the existing Houston office. The team is looking at a new smaller space closer to the airport. The bottom line is that ASME will realize approximately $6 million in net savings in real estate costs.

Overall attendance at conferences is down 10%-15% due to the lack of funding. IMECE will be held in Memphis, Tennessee this year from November 16-20, 2025.

After the review of today's agenda, Mr. Costabile expressed thanks to the outgoing Board members, SVPs and our ECLIPSE member.

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 1.5.6 on the Consent Items for Action:

1.5.1. Approval of Minutes of April 30, 2025
1.5.2. Proposed Appointments
1.5.3. CY 2024 Fellows Listing
1.5.4. Listing of Awards
1.5.5. Proposed Changes to By-Laws B5.3 and B5.7, First Reading
1.5.6. Changes to Society Policy P-4.4

2. Open Session Agenda Items

YTD Financial Report: Bill Garofalo provided a high-level recap of year-to-date results through May. Net results were favorable to the previous forecast due to an increase in revenues in TEC, Publishing, and L&D. Offsetting the favorability was a decrease in membership dues revenue.

Our investment portfolio improved 8.9% through May. We had gains from our equity and fixed income investments and continue to work with our investment partners to monitor and adjust our allocations when necessary. Our portfolio remains diversified with a mix of 71% equity and 29% fixed-income investments.

Our contingency reserve approved target is 60%. We ended FY24 with a contingency reserve of 93%. That has increased to 104% as of the end of May FY25.

2.1 BOG ECLIPSE Project: Radhika Dharmadhikari presented her project on "Awareness about Sustainability in the India region" amongst engineering students. She distributed a questionnaire among engineering students across India. When asked if they were associated with any organization working in sustainability, the overwhelming response was no, implying a lack of opportunities at the student level at their universities. When asked if they had sustainability awareness as a subject or chapter in their academics, the majority again stated no. This question was aimed at helping her understand if engineering students had a dedicated subject on sustainability in their curriculum.

When asked what they would like included in their syllabus to increase awareness in sustainability, their responses were social issues, global news, climate technology and economic models. To learn more about sustainability, the majority wished for the subject to be included in their syllabus.

Some of the key learnings from this survey showed that the students who participated are seeking deeper understanding about sustainability at the university level. ASME can step in with the student sections to plan initiatives like guest lectures and industry visits. Social media platforms continue to be the best way to convey information. (Minutes Appendix 2.2)

2.2 Sector Reports: Andy Bicos (PA&O), Rick Cowan (SES), Jen Jewers Bowlin (SECD), Bob Stakenborghs (TEC), and Tom Vogan (S&C) each provided a brief update on their respective sectors including their mission and vision, highlights, challenges, accomplishments and successes, ongoing and future activities, and goals for FY26. (Minutes Appendix 2.3)

2.3 Comments from Outgoing Board Members, Senior Vice Presidents and ECLIPSE Member: Governors Tom Kurfess, Jared Oehring, Patrick Vieth, Andy Bicos, Bob Stakenborghs and BOG ECLIPSE member, Radhika Dharmadhikari, all made brief comments about their experiences of working on and with the Board and thanked everyone for the opportunity.

2.4 Reflections on the Past Year: Ms. Ipri-Brown reflected that this has been an impactful and engaging year. To her class, she feels they have made a difference and that it was great to serve with them. She has learned a lot and feels it is humbling to serve the profession in this way. She thanked the Board, the Executive Team, ASME staff, and her family.

Those that rotate off the Board have a strong role in ASME. Service on the Board is part of ASME but not an ending. She looks forward to continuing to connect and keep her ASME "fix" going. There is always change but it is an exciting, forward-looking change.

2.5 ECLIPSE Project Presentation: President Ipri-Brown welcomed this year's class of ECLIPSE members for their presentation entitled "Unlocking Membership Growth and Engagement." Some of the

topics covered in the presentation are Membership Trends in Engineering Societies, Survey of Engineers, and a Membership Enhancement Roadmap.

Factors in declining membership in professional organizations include financial constraints and lack of awareness. Membership trends in professional organizations such as ASCE, IMEChE, ASME and ASHRAE are flat or declining. There is also greater competition among mechanical engineering organizations compared to organizations in other engineering fields.

All organizations have raised their registration fees in the last five years while participants have less disposable income for increased fees. There should be a need to create more value and resources for our membership model, for members and for the large conferences to make it more attractive to attend. ASME membership and revenue trends show a decline from 2018 to 2024.

The survey was conducted across 5 continents with 82 respondents. Seventy-seven percent of respondents agree that their professional organization has contributed to their career growth. Opportunities to promote member engagement, a membership enhancement roadmap and a membership model detail were also presented.

After the presentation, President Ipri-Brown presented each outgoing member with a certificate and the incoming class with a badge. She thanked them for their journey with ASME. (Minutes Appendix 2.6)

3. New Business

No new business was presented.

4. Open Session Information Items

4.1 Dates of Future Meetings for FY26 Board of Governors

DATE	DAY	TIME	LOCATION
June 7, 2025	Saturday	9:30 am – 2:00 pm	Portland, Maine
June 8, 2025	Sunday	9:00 am - 2:00 pm	Portland, Maine
June 26, 2025	Thursday	1:00 pm – 2:00 pm	Virtual Meeting
July 14-16, 2025	Monday-Wednesday	12:00 pm Monday to 12:00 pm Wednesday	Toronto, Ontario CANADA
September 25, 2025	Thursday	1:00 pm – 2:30 pm	Virtual Meeting
November 16, 2025	Sunday	9:00 am – 4:00 pm	Memphis, TN

5. Adjournment

The meeting adjourned on Friday, June 6, 2025, at 1:25 PM EDT.

T. P. McM

_____

Tara McMahan
Secretary/Treasurer

List of Appendices

1.5.2. Proposed Appointments
1.5.3. CY 2024 Fellows Listing
1.5.4. Listing of Awards
1.5.5. Proposed Changes to By-Laws B5.3 and B5.7, First Reading
1.5.6. Changes to Society Policy P-4.42.2.
2.2. BOG ECLIPSE Project
2.3 Sector Reports
2.6 ECLIPSE Project Presentation

ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 21, 2025

BOG Meeting Date: June 6, 2025

To: Board of Governors

From: Committee on Organization and Rules

Presented by: Richard Marboe

Agenda Title: Proposed Appointments

Agenda Item Executive Summary:

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

Proposed motion for BOG Action:

To approve the attached appointments.

Attachments: Document attached.

JUNE 2025 PROPOSED APPOINTMENTS TO ASME UNITS

Internal Unit	Nominee	Appointment Position/Title	Appointment Term/Category	Appointment Type	History
Standards and Certification Sector	Jason Averill	Member-at-Large	July 2025 – June 2028	Initial	Deputy Director, Engineering Laboratory, National Institute of Standards and Technology
Standards and Certification Sector	Michael Caravaggio	Member-at-Large	July 2025 – June 2028	Initial	Member, Research Committee on Power Plant and Environmental Chemistry
Committee on Organization and Rules	Annemarie Appleton	Member-at-Large	July 2025 – June 2028	Initial	Vice Chair, BPV III Committee on Construction of Nuclear Facility Components
Committee on Organization and Rules	Cis de Maesschalck	Member-at-Large	July 2025 – June 2028	Initial	Member, ECE Programming Committee
Old Guard Committee	Rick Grantom	Member-at-Large	July 2025 – June 2028	Initial	Member, Board on Nuclear Codes and Standards Strategic Committee on Nuclear Facilities
Old Guard Committee	Mohammad Mahinfalah	Member-at-Large	July 2025 – June 2028	Initial	Chair, Student Section and Early Career Committee
VOLT	James Afful	Member-at-Large	July 2025 – June 2028	Initial	Experienced trainer and teaching assistant
VOLT	Kushi Sellahennedige	Member-at-Large	July 2025 – June 2028	Initial	Member, ECE Programming Committee

Board of Governors Meeting
Agenda Item
Cover Memo

Date Submitted:	May 13, 2025
BOG Meeting Date:	June 6, 2025
To:	Board of Governors
From:	Leila Persaud
Presented by:	Committee of Past Presidents
Agenda Title:	CY 2024 Fellows Listing

Agenda Item Executive Summary:
Attached for information is a listing of ASME Fellows elected in CY 2024.

Proposed motion for BOG Action:
None

Attachment:
The CY 2024 Fellows are attached for information.

2024 ASME Fellows

Jeffrey Abell
Arvind Agarwal
Patrick Alford
Douglas Allaire
Kevin Anderson
Antonio Andreini
Annemarie Appleton
Panagiotis Artemiadis
Kira Barton
Monem Beitelmal
Ahmed A. Benzerga
Reid A. Berdanier
Matthew Bryant
Kenneth Mark Bryden
David Cappelleri
Uttam Chakravarty
Xiang Chen
Yan Chen
Jongeun Choi
Nikhil Chopra
Peter Chung
Thomas Costabile
Beni Cukurel
Tuhin Das
Ashoke De
Maruthi Devarakonda
Francesco Lanza Di Scalea
Ali Dolatabadi
Avinash Dongare
Bashar El-Khasawneh
Adam Engler
Bugra Ertas
Amro Farid
Matthew Fisher
Matthew Franchek
Peretz Friedmann
Daniel Garmann
Rick Grantom
Dominic Groulx
Ashish Gupta
Sreenath Gupta
Shima Hajimirza
Carrie Hall
Fatemeh Hassanipour
Moneer Helu
Yongjie Hu
Chih-Yung Huang
Horea Ilies
Justin Jaworski
Amy Wagoner Johnson
Jia-Yang Juang
Kumarswamy Karpanan
Bidzina Kekelia
Sinan Keten
Namwon Kim
Ali Kosar
Chin-Hsing Kuo
Chang-Chun Lee
Ming-Tsang Lee
Junrui Liang
Dong Liu
Zhiwen Ma
Nilesh Mankame
Richard Marboe
Alison Marsden
Prashant Mehta
Scarlett Miller
Changki Mo
Yahya Modarres-Sadeghi
Tetsuya Nagata
Shankar Narayan
Kashif Nawaz
Glen Niebur
Julian Norato
William Northrop
Janis Bestul Ossmann
Cengiz Ozkan
Mark Paul
Yuanjiang Pei
Kara Peters
David Pierce
Kit Fai Pun
John Puskar
Yixian Qin
Randy Reagan
Tahira Reid-Smith
Edward Sander
Cem Sarica
Frank Schaaf
Jonathan Scheffe
Colleen Scholl
Gary Scribner
Rathinam Selvam
Radu Serban
Bhaskar Shitole
Shankar C. Subramanian
Veera Sundararaghavan
Nedunchezhian Swaminathan
Rick Swayne
Spencer Szczesny
Lucas Timmins
Michael Todd
Hung-Yin Tsai
James D. Van de Ven
Thomas Vogan
Jessica Wagenseil
Liping Wang
Yue Wang
Gregory Wagner
Sy-Bor Wen
Jun Xu
Bao Yang
Haimin Yao
Chang Ye
Li Zhang
Zhinan Zhang

Board of Governors Meeting
Agenda Item
Cover Memo

Date Submitted:	May 13, 2025
BOG Meeting Date:	June 6, 2025
To:	Board of Governors
From:	Leila Persaud
Presented by:	J.N. Reddy, Committee on Honors
Agenda Title:	Listing of Awards

Agenda Item Executive Summary:

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

Proposed motion for BOG Action:
To accept the Committee on Honors recommendation to approve the 2025 awardees.

Attachment:
The listing of the 2025 awardees is attached.

2025 RECIPIENTS OF ASME HONORS AND AWARDS

ACHIEVEMENT AWARDS

ADAPTIVE STRUCTURES AND MATERIAL SYSTEMS AWARD

George Lesieutre, Ph.D., Member Pennsylvania State University [redacted] State College, PA [redacted]		For pioneering contributions to adaptive structures technologies and their applications to flight structures, including morphing structures, shunted piezoelectric materials for energy harvesting and vibration control, and solid-state and rectifying actuators; and for other key insights into electro-mechanical coupling

AVRAM BAR-COHEN MEMORIAL MEDAL

H. Peter de Bock, Ph.D., Fellow [redacted] Clifton Park, NY [redacted]		For outstanding technical contributions to the thermal management of electronics packaging with diverse application areas; for exemplary leadership within ASME, IEEE, and government; and for impactful mentorship to researchers, engineers, and students

ZDENĚK P. BAŽANT MEDAL

Huck Beng Chew, Ph.D., Member University of Illinois at Urbana -Champaign [redacted] Urbana, IL [redacted]		For pioneering contributions in the nano- and micromechanics of materials through the development of novel scale-bridging tools, leading to continuum-level understanding of mechanistic processes and the bridging of fundamental science to real-world engineering applications

BERGLES-ROHSENOW YOUNG INVESTIGATOR AWARD IN HEAT TRANSFER

Prashant Singh, Ph.D., Member University of Tennessee Knoxville [redacted] Knoxville, TN [redacted]		For outstanding contributions to the fundamental understanding of thermal transport in architectured materials for high temperature heat exchanger applications, and for advancements in experimental techniques for non-intrusive thermal diagnostics

EDWIN F. CHURCH MEDAL

Joseph J. Rencis, Ph.D., Member Embry-Riddle Aeronautical University School of Engineering Worldwide [redacted] Daytona Beach, FL [redacted]		For eminent service to mechanical engineering, the profession, and workforce development, and for educational initiatives that have shaped countless students across various academic levels, from pre-college to university

DEVOR-KAPOOR MANUFACTURING MEDAL

Fengzhou Fang, Ph.D., Member University College Dublin Engineering Building [redacted] Dublin [redacted] Ireland		For significant contributions to nano-machining mechanics, including the advancement of extrusion-dominated material removal, the establishment of the three paradigms of manufacturing advancement, and other significant advancements in atomic- and close-to-atomic-scale manufacturing

DANIEL C. DRUCKER MEDAL

Hanqing Jiang, Ph.D., Fellow Westlake University [redacted] Hangzhou, Zhejiang [redacted] China		For pioneering studies of origami-based mechanical metamaterials and devices and exemplary service to engineering communities through the ASME and extensive editorial work

WILLIAM T. ENNOR MANUFACTURING TECHNOLOGY AWARD

Satyandra Gupta, Ph.D., Fellow University of Southern California Viterbi School of Engineering [redacted] Los Angeles, CA [redacted]		For innovations in the area of physics-informed artificial intelligence leading to the development of smart robotic cells that reduce ergonomically challenging tasks for human workers, provide consistent quality, and reduce scrap and rework in surface finishing applications

THOMAS A. EDISON PATENT AWARD

Xin Zhang, Ph.D., Fellow Boston University Department of Mechanical Engineering [redacted] Boston, MA [redacted]		For the patented ultra-open metamaterial silencer, a groundbreaking innovation that revolutionizes acoustic silencing, significantly advances mechanical engineering, and transforms industries such as HVAC, transportation, and manufacturing through widespread, real-world application

NANCY DELOYE FITZROY AND ROLAND V. FITZROY MEDAL

Seid Koric, Ph.D., Member Dept. of Mechanical Science and Engineering University of Illinois at Urbana-Champaign National Center for Supercomputing [redacted] Urbana, IL [redacted]		For a career of pioneering contributions to advanced and high-performance computing and artificial intelligence methods and applications in engineering, as well as their translation to industry practices by improving technology, efficiency, safety, and lowering environmental impact

FLUIDS ENGINEERING AWARD

Michael Triantafyllou, Ph.D., Member Department of Mechanical Engineering Massachusetts Institute of Technology [redacted] Cambridge, MA [redacted]		For pioneering advancements in biomimetic robotics, vorticity control, and fluid-structure interaction, and for revolutionizing the understanding of vortex-induced vibrations and aquatic propulsion through innovative, AI-driven research methodologies, significantly impacting marine engineering and experimental fluid dynamics

LAKSHMI SINGH EARLY CAREER LEADERSHIP AWARD

Amy Mensch, Ph.D., Member National Institute of Standards and Technology [redacted] Gaithersburg, MD [redacted]		For contributions to the profession through both service and leadership, and for continued efforts in attracting and mentoring those in STEM fields

Y.C. FUNG EARLY CAREER AWARD

Spencer E. Szczesny, Ph.D., Member Pennsylvania State University [redacted] University Park, PA [redacted]		For discoveries related to tendon structure-function relationships during development and disease; for identifying sex-specific differences in ligament remodeling due to mechanical loading; and for providing public access to biomechanics equipment and techniques

KATE GLEASON AWARD

Karen A. Thole, Ph.D., Fellow Dean of Engineering University of Michigan [redacted] Ann Arbor, MI [redacted]		For providing students unique educational experiences involving large-scale experiments, mentoring them for positions in industry, government, and academia

MELVIN R. GREEN CODES AND STANDARDS MEDAL

George Rawls, Fellow [redacted] Aiken, South Carolina [redacted]		For exceptional leadership in additive manufacturing, generating innovative laboratory data for use in laser powder bed fusion and direct energy deposition processes, and for the production of Code Cases for direct application in pressure boundary applications

EDWARD GROOD INTERDISCIPLINARY TEAM SCIENCE MEDAL IN BIOENGINEERING

John Bischof, Ph.D., Member University of Minnesota [redacted] Minneapolis, MN [redacted]		For innovative approaches to biopreservation technologies that stop biological time and radically extend the ability to bank and transport cells, embryos, tissue, organoids, organs, and organisms

Mehmet Toner, Ph.D., Fellow Massachusetts General Hospital and Harvard Medical School [redacted] Charlestown, MA [redacted]		For innovative approaches to biopreservation technologies that stop biological time and radically extend the ability to bank and transport cells, embryos, tissue, organoids, organs, and organisms

J.P. DEN HARTOG AWARD

Richard H. Rand, Ph.D., Fellow Dept. of Mechanical and Aerospace Engineering Cornell University [redacted] Ithaca, NY [redacted]		For lifetime contributions to vibration engineering through pioneering research at the intersection of mathematics and engineering, with emphasis on the complexities arising in the response of nonlinear structural systems

HEAT TRANSFER MEMORIAL AWARD

GENERAL

S. A. Sherif, Ph.D., Fellow University of Florida Department of Mechanical and Aerospace Eng. [redacted] Gainesville, FL [redacted]		For transformative research in heat and mass transfer in frosting, especially under supersaturated conditions, and for exemplary leadership and service in the areas of heat transfer and thermal science

SCIENCE

Yasuyuki Takata, Ph.D. Kyushu University Department of Mechanical Engineering [redacted] Fukuoka [redacted] Japan		For pioneering contributions to phase-change heat transfer that have advanced understanding of boiling and evaporation processes at contact line; for contributions to the measurement of thermophysical properties of hydrogen at high pressure; and for service and leadership in the international heat transfer community

ART

Hongbin Ma, Ph.D., Fellow University of Missouri Department of Mechanical and Aerospace Eng [redacted] Columbia, MO [redacted]		For significant contributions to the engineering applications of heat transfer, including oscillating heat pipe thermal control technology for defense, heat pipe computer cooling, and phase-change material drink-now mugs

HOLLEY MEDAL

Babasaheb Kalyani Bharat Forge Limited [redacted] Maharashtra, [redacted] India		For substantial contributions to engineering, advanced manufacturing, environmentalism, and philanthropy, and for visionary and world-wide industry leadership

PATRICK J. HIGGINS MEDAL

William Smith, Member American Society of Plumbing Engineers [redacted] Montgomery, AL [redacted]		For extensive experience and leadership as a key influencer in plumbing safety, including contributions to plumbing engineering, product standards, and building codes, prioritizing public health, safety, and efficiency in the industry

AYYUB-WIECHEL RISK ANALYSIS AWARD

Enrico Zio, Ph.D. MINES ParisTech [redacted] Sophia Antipolis [redacted] France		For contributions to computational risk assessment and integrated deterministic and probabilistic safety assessment, and for the leadership in the advancement of reliability engineering by machine learning techniques for prognostics, health management, and predictive maintenance

MAAN JAWAD BOILER AND PRESSURE VESSEL CODE AWARD

Shigeru Takaya, Ph.D., Member Japan Atomic Energy Agency [redacted] Japan		For significant contributions to the development of boiler and pressure vessel codes for evaluating risk in the context of safety and reliability for high-temperature, liquid-metal, next-generation nuclear power plants

MAYO D. HERSEY AWARD

Mitjan Kalin, Ph.D., Member University of Ljubljana [redacted] [redacted] Slovenia		For sustained and transformative research on the fundamental and practical areas of tribology that has significantly impacted the efficiency, reliability, and environmental compatibility of moving mechanical systems

MACHINE DESIGN AWARD

Qiaode Jeffrey Ge, Ph.D., Fellow State University of New York at Stony Brook Department of Mechanical Engineering [redacted] Stony Brook, NY [redacted]		For pioneering contributions to mechanical engineering, particularly in the modeling of displacement, computational kinematic geometry, and data-driven mechanism analysis and synthesis, significantly advancing several key areas of design

SOICHIRO HONDA MEDAL

Peter Kelly Senecal, Ph.D., Fellow Convergent Science, Inc. [redacted] Madison, WI [redacted]		For revolutionary work on the use of computational fluid dynamics to design transportation propulsion systems, leading to the widespread adoption of analysis-led design in industry

INTERNAL COMBUSTION ENGINE AWARD

Avinash K. Agarwal, Ph.D., Fellow Department of Mechanical Engineering Indian Institute of Technology Kanpur Kanpur, [redacted] India		For pioneering contributions to internal combustion engines, including optical diagnostics, laser ignition, conventional and renewable fuels, microscopic and macroscopic spray characterization, emissions and particulate control, lubricating oil tribology, and prototypes for methanol and dimethyl-ether-fueled engines

JOHNSON & JOHNSON CONSUMER COMPANIES, INC. MEDAL

Solomon Adera, Ph.D., Member Department of Mechanical Engineering University of Michigan [redacted] Ann Arbor, MI [redacted]		For excellence in research, teaching, mentoring, and professional contributions to ASME, InterPACK, and ITherm Conferences; and for extensive, distinguished service to students

DUANE P. JORDAN EARLY CAREER AWARD

Richard Lee Hollenbach III, Member Senior Engineer, Thermal Sciences [redacted] Atlanta, GA [redacted]		For growth as a recognized engineering expert through advanced academic degrees and professional certifications; for the successful completion of multiple leadership programs within the engineering community; and for extensive local and international volunteer activity

DIXY LEE RAY AWARD

Armistead Russell, Ph.D., Fellow Georgia Institute of Technology [redacted] Atlanta, GA [redacted]		For impactful research in air pollution modeling and its applications for designing effective policy and improving air quality and human health; for exceptional leadership in environmental education; and for exemplary service to society in the pursuit of environmental quality

WARNER T. KOITER MEDAL

Jean-Baptiste Leblond, Ph.D. Institut Jean Le Rond d'Alembert Sorbonne Université [redacted] Paris, [redacted] France		For numerous important analytical and numerical contributions to the field of fracture mechanics in both brittle and ductile materials, helping to predict propagation of cracks and crack paths in complex structures with applications for industry

ROBERT E. KOSKI MEDAL

Adolfo Senatore, Ph.D. Department of Industrial Engineering University of Naples Naples, [redacted] Italy		For years of outstanding leadership in fluid power research; for persistent efforts to promote fruitful, international relationships between experts and researchers; and for extensive contributions related to fluid power education

FRANK KREITH ENERGY AWARD

Evelyn Wang, Ph.D., Member Department of Mechanical Engineering Massachusetts Institute of Technology [redacted] Cambridge, MA [redacted]		For seminal contributions to thermophotovoltaic devices, transparent insulation, and atmospheric water harvesting using solar energy

JAMES N. LANDIS MEDAL

Frederick Moody, Ph.D., Fellow [redacted] Turlock, CA [redacted]		For pioneering contributions to predictive methods for the analysis of steady and unsteady thermo-fluid problems, with special emphasis on reactor accident and containment design involving two-phase flow and impact forces on vessel and piping systems

BERNARD F. LANGER NUCLEAR CODES AND STANDARDS AWARD

Frank Schaaf, Jr., Fellow Sterling Refrigeration Corporation [redacted]. Webster, NY [redacted]		For dedicated service and leadership in the development, improvement and promotion of ASME Nuclear Codes and Standards over a substantial number of years, including provisions for inservice inspection requirements, high-density polyethylene piping, and high-temperature advanced reactors

WILFRED C. LAROCHELLE CONFORMITY ASSESSMENT AWARD

Paul A. Williams, Member Quality and Regulatory Compliance Solutions, Ltd. [redacted] Kent, [redacted] United Kingdom		For exemplary service to conformity assessment in establishing and advancing certification and accreditation programs, and for outstanding performance, invaluable insights, and demonstrated leadership on numerous projects related to codes and standards

GUSTUS L. LARSON MEMORIAL AWARD

Kejie Zhao, Ph.D., Fellow Purdue University [redacted] West Lafayette, IN [redacted]		For outstanding achievements in mechanical engineering within 10 to 20 years following graduation

H.R. LISSNER MEDAL

Kai-Nan An, Ph.D., Fellow Mayo Clinic College of Medicine and Science [redacted] Rochester, MN [redacted]		For pivotal developments in experimental and analytical methods to quantify and model the human musculoskeletal system, and for profound clinical impacts on joint replacement and soft tissue repair

CHARLES T. MAIN STUDENT LEADERSHIP AWARDS

Gold

Gopika Anil Kumar Pillai, Member Mar Athanasius College of Engineering, [redacted] Kochi, Kerala [redacted] India		For exceptional leadership, technical innovation, and dedication to engineering education, community outreach, and project execution

Silver

Adhiga M S, Member APJ Abdul Kalam Technological University [redacted] Kerala, [redacted] India		For exemplary leadership in organizing and coordinating events, and for unparalleled documentation skills in various design projects within and beyond ASME

MCDONALD MENTORING AWARD

Guillermo Aguilar, Ph.D., Fellow Department of Mechanical Engineering Texas A&M University [redacted] College Station, TX [redacted]		For exceptional mentorship, guidance, and support, fostering professional and personal growth for engineering students and researchers

M. EUGENE MERCHANT MANUFACTURING MEDAL OF ASME/SME

Keith Krach [redacted] San Francisco, CA 94105		For exceptional technological contributions and innovations in supply chain management that have transformed the manufacturing sector

VAN C. MOW MEDAL

Yongjie Jessica Zhang, Ph.D., Fellow Department of Mechanical Engineering Carnegie Mellon University [redacted] Pittsburgh, PA [redacted]		For pioneering contributions to developing novel algorithms of image-based geometric modeling, isogeometric analysis, multiphysics and data-driven modeling to simulate neuron material transport, traffic regulation and growth, cardiovascular systems, as well as leadership in the computational bioengineering profession

NADAI MEDAL

Vikram Deshpande, Ph.D. Department of Engineering University of Cambridge [redacted] Cambridge, [redacted] United Kingdom		For pioneering contributions to modeling active materials, including the development of bio-chemo-mechanical frameworks to elucidate cellular responses; and for advancements in the understanding of failure mechanisms in lithium-ion batteries through innovative experiments and theoretical insights

SIA NEMAT-NASSER EARLY CAREER AWARD

Grace Gu, Ph.D. Department of Mechanical Engineering University of Berkeley [redacted] Berkeley, CA [redacted]		For innovative work that elucidates the interplay between microstructure and mechanical properties essential for the design of advanced composite materials, and for inspiring the next generation of students to further the study of composites

BARNETT-UZGIRIS PRODUCT SAFETY DESIGN AWARD

Wei Chen Northwestern University Mechanical Engineering Department [redacted] Evanston, IL [redacted]		For significant contributions to design under uncertainty that have advanced both theoretical development and practical applications of statistical inference and probability theory for developing robust and reliable products and systems

THOMAS K. CAUGHEY AWARD

Balakumar Balachandran, Ph.D. Department of Mechanical Engineering University of Maryland [redacted] College Park, MD [redacted]		For groundbreaking experimental, computational, and analytical work on the dynamics of nonlinear mechanical systems subjected to random noise disturbances

RUFUS OLDENBURGER MEDAL

Hassan Khalil, Ph.D. Department of Electrical Engineering Michigan State University [redacted] East Lansing, MI [redacted]		For contributions to nonlinear control theory, nonlinear observers, output feedback control of nonlinear systems, and multiple-time-scale methods

PERFORMANCE TEST CODES MEDAL

Mitchell Johnson, Member JMS Southeast, Inc. [redacted] Statesville, NC [redacted]		For outstanding and continuous leadership, achievements, and contributions to ASME performance test codes and related work for over 13 years, notably in the areas of temperature measurement, pressure measurement and thermowells

OUTSTANDING STUDENT SECTION LEADER AWARD

Manohar Chidurala, Ph.D., Member Western Kentucky University [redacted] Bowling Green, KY [redacted]		For exceptional leadership, mentorship, and dedication that have transformed Western Kentucky University's ASME student section; for fostering an inclusive, collaborative, and empowering environment for professional development; and for extensive work establishing community engagement opportunities

PI TAU SIGMA GOLD MEDAL

Matthew Powell-Palm, Ph.D., Member Department of Mechanical Engineering Texas A&M University [redacted] College Station, TX 77840		For outstanding achievements in mechanical engineering within ten years of graduation

RALPH COATS ROE MEDAL

Calvin Mackie, Ph.D., Member Founder/CEO STEM NOLA [redacted] New Orleans, LA [redacted]		For educating young people about the wonders of engineering and opening opportunities for underrepresented populations to pursue higher technical education and rewarding STEM careers

CHARLES RUSS RICHARDS MEMORIAL AWARD

Julio Ottino, Ph.D. Northwestern University McCormick School of Engineering [redacted] Evanston, IL [redacted]		For outstanding achievements in mechanical engineering for 20 years or more following graduation

ROBERT M. NEREM EDUCATION AND MENTORSHIP MEDAL

Alan W. Eberhardt, Ph.D., Member Dept. of Biomedical Engineering University of Alabama at Birmingham [redacted] Birmingham, AL [redacted]		For transformative leadership and mentorship of hundreds of undergraduate and graduate students through clinical and industrial immersion and entrepreneurship with applications for medical devices and products to aid the disabled

SAFETY CODES AND STANDARDS MEDAL

Ronald Kohner, Member Landmark Engineering Services [redacted] St. Paul, MN [redacted]		For significant advancements in the requirements and recommendations for safe construction, inspection, maintenance, and operation of mobile cranes and lifting devices, and for promoting consistency in regulatory requirements

MILTON C. SHAW MANUFACTURING RESEARCH MEDAL

Yong Huang, Ph.D., Fellow Department of Mechanical and Aerospace University of Florida Engineering [redacted] Gainesville, FL [redacted]		For experimental and theoretical contributions to the knowledge of process physics and printing-induced cell injury in jet- and extrusion-based printing

RUTH & JOEL SPIRA OUTSTANDING DESIGN EDUCATOR AWARD

Amaresh Chakrabarti, Ph.D., Member Department of Design and Manufacturing Indian Institute of Science Bangalore, Karnataka [redacted] India		For significant contributions to design education around the world through the development of innovative teaching and research programs, and for leadership in the global design community

SPIRIT OF ST. LOUIS MEDAL

Stephen W. Tsai, Ph.D., Fellow Dept. of Aeronautics & Astronautics Stanford University Stanford, CA [redacted]		For pioneering contributions to the field of composites, including the development of the Tsai-Wu Failure criterion, double-double laminates for high performance composites, and for conducting online workshops and conferences

J. HALL TAYLOR MEDAL

James Meyer, Member CDM Smith [redacted]. Wadsworth, OH [redacted]		For exemplary leadership and generous mentoring within ASME Codes and Standards, including extensive advocacy of ASME Codes through the development of international working groups

JAMES HARRY POTTER GOLD MEDAL

Jay Gore, Ph.D. Fellow Purdue University School of Mechanical Engineering [redacted] West Lafayette, IN [redacted]		For the discovery of big-data-based exergy efficiencies in the optimal operation of Rankine-cycle-based power plants, and for extensive contributions to the emerging fields of big data, convolutional neural networks, machine learning, and AI in physics-based models of energy

ROBERT HENRY THURSTON LECTURE AWARD

Gang Bao, Ph.D., Fellow Department of Bioengineering Rice University [redacted] Houston, TX [redacted]		For outstanding and sustained contributions to the mechanics of composites, cell mechanics, biotechnology, and nanomedicine

TIMOSHENKO MEDAL

Norman A. Fleck, Ph.D. University of Cambridge [redacted] [redacted] Cambridge United Kingdom		For seminal contributions to the mechanics of materials, including non-local theories, multi-phase lattices, coupled solids and high-performance composites, with direct engineering implications for application in areas such as aeroengines and defense

SAVIO L-Y. WOO TRANSLATIONAL BIOMECHANICS MEDAL

Umut A. Gurkan, Ph.D., Member Dept. of Mechanical and Aerospace Engineering Case Western University [redacted] Cleveland, OH [redacted]		For outstanding discoveries and inventions that have led to the translation and commercialization of point-of-care diagnostic technologies for sickle cell disease in underserved populations

GEORGE WESTINGHOUSE GOLD MEDAL

Kai Hong Luo, Ph.D., Member Department of Mechanical Engineering University College London [redacted] London [redacted] United Kingdom		For groundbreaking contributions to digital and AI-enhanced analysis, control, prediction, design and optimization of energy and power systems, leading to accelerated research and development, increased energy efficiency, lower emissions and carbon footprint, and improved sustainability

ARTHUR L. WILLISTON MEDAL

WINNER

Hassan Khan, Member Weatherford Well Services [redacted] Doha, Qatar		For exceptional leadership in engineering education, for securing industry partnerships and fostering STEM outreach via collaboration, and for inspiring future engineers through research symposiums and career guidance

SECOND

Abdul H. Shakil Hafeez, Member Karsaz Private Limited [redacted] Karachi, Sindh [redacted] Pakistan		For outstanding leadership in clean water access, environmental conservation, innovative healthcare solutions, and entrepreneurial ventures that empower communities, advance technology, and foster sustainable futures through leadership, innovation, and mentorship

THIRD

Muhammad H. Ahmad, Member COMSATS University Islamabad, Wah Campus [redacted] Islamabad, Punjab [redacted] Pakistan		For demonstrable commitment to education, humanitarian service, and climate advocacy, significantly impacting local and global communities; and for visionary leadership in fostering sustainable practices and empowering future generations through knowledge and service

HENRY R. WORTHINGTON MEDAL

Luis San Andres, Ph.D., Fellow [redacted] College Station, TX [redacted]		For groundbreaking analytical and experimental work evaluating the performance and dynamic response of pump annular seals, advancing the stability of rocket engine turbopumps and engineered multiple phase pumps for the subsea oil and gas production industries

S.Y. ZAMRIK PVP MEDAL

Abdel-Hakim Bouzid, Ph.D., Fellow Ecole de Technologie Supérieure [redacted] Montreal, Quebec [redacted] Canada		For pioneering technical research in the field of bolted joint assemblies found in pressure vessels and piping systems, outstanding teaching and mentoring in the field, unwavering support for codes and standards development, and extraordinary service to the ASME Pressure Vessel and Piping Division

LITERATURE AWARDS

BLACKALL MACHINE TOOL & GAGE AWARD

Gary J. Cheng, Ph.D., Fellow Purdue University [redacted] West Lafayette, IN [redacted] Sen Xiang, Ph.D. [redacted] Troy, MI [redacted] Xingtao Liu, Ph.D. Southeast University [redacted] Nanjing, Jiangsu, [redacted] China Licong An, Ph.D. Apple, Inc. Neil Armstrong Hall of Engineering [redacted] West Lafayette, ID [redacted] Haozheng Qu, Ph.D. GE Vernova Advanced Research Center [redacted] Niskayuna, NY [redacted]		For the paper titled "Nanoengineered Laser Shock Processing Via Pulse Shaping for Nanostructuring in Metals: Multiscale Simulations and Experiments"

GAS TURBINE AWARD

Mikolaj Jan Pernak, Ph.D. Dept. of Mechanical Engineering University of Bath [redacted] Bath, [redacted] United Kingdom Tom E. W. Nicholas, Ph.D. University of Bath [redacted] Bath, [redacted] United Kingdom Gary Lock, Ph.D. Dept. of Mechanical Engineering University of Bath [redacted] Bath, [redacted] United Kingdom Hui Tang, Ph.D. Dept. of Mechanical Engineering University of Bath [redacted] Bath, [redacted] United Kingdom		"Experimental Investigation of Transient Flow Phenomena in Rotating Compressor Cavities."

James A. Scobie, Ph.D. Dept. of Mechanical Engineering University of Bath [redacted] Bath, [redacted] United Kingdom Richard Jackson, Ph.D. Decision Analysis Services Ltd. [redacted] Basingstoke, [redacted] United Kingdom Jake T. Williams Rolls Royce Plc. [redacted] Filton, Bristol, [redacted] United Kingdom		

HENRY HESS EARLY CAREER PUBLICATION AWARD

Xiaojia Shelly Zhang, Ph.D., Member [redacted] Urbana, IL [redacted] Zhi Zhao University of Illinois at Urbana [redacted] Urbana, IL [redacted] Cao Wang University of Illinois at Urbana [redacted] Urbana, IL [redacted]		For the paper titled “Tuning buckling behaviors in magnetically active structures: Topology optimization and experimental validation”

EDWARD F. OBERT AWARD

Enrico Dal Cin, Ph.D., Member University of Padova [redacted] Padona, Veneto [redacted] Italy Gianluca Carraro, Ph.D., Member University of Padova [redacted] Padona, Veneto [redacted] Italy		For the paper titled “A Two-Level Optimization Approach for The Synthesis, Design and Operation of Multi-Energy Systems Integrated with Energy Networks”

George Tsatsaronis, Ph.D., Member Technische Universitaet Berlin [redacted] Berlin, [redacted] Germany		

WORCESTER REED WARNER MEDAL

Xue Feng, Ph.D., Fellow Tsinghua University [redacted] Beijing, [redacted] China		For pioneering contributions to theoretical and experimental mechanics of flexible film-substrate structure, including applications in strain engineering of nanoscale materials, flexible devices of high performance, and industrial scale production of micro-LEDs

PRIME MOVERS COMMITTEE AWARD

Sharad Pachpute, Ph.D. Lotte India Building, [redacted] [redacted] Chennai, Tamil Nadu [redacted] India Jason Lee, Member Babcock Power Services [redacted] Marlborough, MA [redacted]		For the paper titled “Performance Evaluation of Tangentially Fired Boiler Utilizing Hydrogen Enriched Natural Gas Fuel”

WILLIAM T. ENNOR MANUFACTURING TECHNOLOGY AWARD

Satyandra Gupta, Ph.D., Fellow University of Southern California Viterbi School of Engineering 3650 McClintock Ave. OHE 400D Los Angeles, CA 90089		For innovations in the area of physics-informed artificial intelligence leading to the development of smart robotic cells that reduce ergonomically challenging tasks for human workers, provide consistent quality, and reduce scrap and rework in surface finishing applications

THOMAS A. EDISON PATENT AWARD

Xin Zhang, Ph.D., Fellow Boston University Department of Mechanical Engineering 110 Cummington Mall Boston, MA 02215		For the patented ultra-open metamaterial silencer, a groundbreaking innovation that revolutionizes acoustic silencing, significantly advances mechanical engineering, and transforms industries such as HVAC, transportation, and manufacturing through widespread, real-world application

NANCY DELOYE FITZROY AND ROLAND V. FITZROY MEDAL

Seid Koric, Ph.D., Member Dept. of Mechanical Science and Engineering University of Illinois at Urbana-Champaign National Center for Supercomputing Applications-NCSA Mail Code 257 1205 W. Clark St Urbana, IL 61801		For a career of pioneering contributions to advanced and high-performance computing and artificial intelligence methods and applications in engineering, as well as their translation to industry practices by improving technology, efficiency, safety, and lowering environmental impact

FLUIDS ENGINEERING AWARD

Michael Triantafyllou, Ph.D., Member Department of Mechanical Engineering Massachusetts Institute of Technology 77 Massachusetts Avenue Cambridge, MA 02139		For pioneering advancements in biomimetic robotics, vorticity control, and fluid-structure interaction, and for revolutionizing the understanding of vortex-induced vibrations and aquatic propulsion through innovative, AI-driven research methodologies, significantly impacting marine engineering and experimental fluid dynamics

LAKSHMI SINGH EARLY CAREER LEADERSHIP AWARD

Amy Mensch, Ph.D., Member National Institute of Standards and Technology Fire Research Division 100 Bureau Drive Gaithersburg, MD 20899		For contributions to the profession through both service and leadership, and for continued efforts in attracting and mentoring those in STEM fields

Y.C. FUNG EARLY CAREER AWARD

Spencer E. Szczesny, Ph.D., Member Pennsylvania State University 122 Chemical and Biomedical Engineering Building 375 Science Drive University Park, PA 16802		For discoveries related to tendon structure-function relationships during development and disease; for identifying sex-specific differences in ligament remodeling due to mechanical loading; and for providing public access to biomechanics equipment and techniques

KATE GLEASON AWARD

Karen A. Thole, Ph.D., Fellow Dean of Engineering University of Michigan 1221 Beal Avenue Ann Arbor, MI 48109		For providing students unique educational experiences involving large-scale experiments, mentoring them for positions in industry, government, and academia

MELVIN R. GREEN CODES AND STANDARDS MEDAL

George Rawls, Fellow 112 Scotch Pine Court Aiken, South Carolina 29803-2646		For exceptional leadership in additive manufacturing, generating innovative laboratory data for use in laser powder bed fusion and direct energy deposition processes, and for the production of Code Cases for direct application in pressure boundary applications

EDWARD GROOD INTERDISCIPLINARY TEAM SCIENCE MEDAL IN BIOENGINEERING

John Bischof, Ph.D., Member University of Minnesota Dept. of Mechanical Engineering, Rm. 125 111 Church St. SE Minneapolis, MN 55455-0150		For innovative approaches to biopreservation technologies that stop biological time and radically extend the ability to bank and transport cells, embryos, tissue, organoids, organs, and organisms

Mehmet Toner, Ph.D., Fellow Massachusetts General Hospital and Harvard Medical School 114 16th Street Charlestown, MA 02129		For innovative approaches to biopreservation technologies that stop biological time and radically extend the ability to bank and transport cells, embryos, tissue, organoids, organs, and organisms

J.P. DEN HARTOG AWARD

Richard H. Rand, Ph.D., Fellow Dept. of Mechanical and Aerospace Engineering Cornell University Upson Hall Ithaca, NY 14850		For lifetime contributions to vibration engineering through pioneering research at the intersection of mathematics and engineering, with emphasis on the complexities arising in the response of nonlinear structural systems

HEAT TRANSFER MEMORIAL AWARD

GENERAL

S. A. Sherif, Ph.D., Fellow University of Florida Department of Mechanical and Aerospace Eng. 1064 Center Drive Room 181, NEB Building Gainesville, FL 32611		For transformative research in heat and mass transfer in frosting, especially under supersaturated conditions, and for exemplary leadership and service in the areas of heat transfer and thermal science

SCIENCE

Yasuyuki Takata, Ph.D. Kyushu University Department of Mechanical Engineering 744 Motooka, Nishi-ku Fukuoka 819-0395 Japan		For pioneering contributions to phase-change heat transfer that have advanced understanding of boiling and evaporation processes at contact line; for contributions to the measurement of thermophysical properties of hydrogen at high pressure; and for service and leadership in the international heat transfer community

ART

Hongbin Ma, Ph.D., Fellow University of Missouri Department of Mechanical and Aerospace Eng 416 S. Sixth St. Columbia, MO 65211		For significant contributions to the engineering applications of heat transfer, including oscillating heat pipe thermal control technology for defense, heat pipe computer cooling, and phase-change material drink-now mugs

HOLLEY MEDAL

Babasaheb Kalyani Bharat Forge Limited Pune Cantonment, Mundhwa Maharashtra, 411 036 India		For substantial contributions to engineering, advanced manufacturing, environmentalism, and philanthropy, and for visionary and world-wide industry leadership

PATRICK J. HIGGINS MEDAL

William Smith, Member American Society of Plumbing Engineers 736 Mary Ann Drive Montgomery, AL 36109-1637		For extensive experience and leadership as a key influencer in plumbing safety, including contributions to plumbing engineering, product standards, and building codes, prioritizing public health, safety, and efficiency in the industry

AYYUB-WIECHEL RISK ANALYSIS AWARD

Enrico Zio, Ph.D. MINES ParisTech 1 Rue Claude Daunesse Sophia Antipolis 06904 France		For contributions to computational risk assessment and integrated deterministic and probabilistic safety assessment, and for the leadership in the advancement of reliability engineering by machine learning techniques for prognostics, health management, and predictive maintenance

MAAN JAWAD BOILER AND PRESSURE VESSEL CODE AWARD

Shigeru Takaya, Ph.D., Member Japan Atomic Energy Agency 4002 Narita, Oarai, Ibaraki 311-1393 Japan		For significant contributions to the development of boiler and pressure vessel codes for evaluating risk in the context of safety and reliability for high-temperature, liquid-metal, next-generation nuclear power plants

MAYO D. HERSEY AWARD

Mitjan Kalin, Ph.D., Member University of Ljubljana Aškerčeva 6 1000 Ljubljana Slovenia		For sustained and transformative research on the fundamental and practical areas of tribology that has significantly impacted the efficiency, reliability, and environmental compatibility of moving mechanical systems

MACHINE DESIGN AWARD

Qiaode Jeffrey Ge, Ph.D., Fellow State University of New York at Stony Brook Department of Mechanical Engineering 113 Light Engineering Building Stony Brook, NY 11794-2300		For pioneering contributions to mechanical engineering, particularly in the modeling of displacement, computational kinematic geometry, and data-driven mechanism analysis and synthesis, significantly advancing several key areas of design

SOICHIRO HONDA MEDAL

Peter Kelly Senecal, Ph.D., Fellow Convergent Science, Inc. 6400 Enterprise Lane Madison, WI 53719		For revolutionary work on the use of computational fluid dynamics to design transportation propulsion systems, leading to the widespread adoption of analysis-led design in industry

INTERNAL COMBUSTION ENGINE AWARD

Avinash K. Agarwal, Ph.D., Fellow Department of Mechanical Engineering Indian Institute of Technology Kanpur Kanpur, 208016, India		For pioneering contributions to internal combustion engines, including optical diagnostics, laser ignition, conventional and renewable fuels, microscopic and macroscopic spray characterization, emissions and particulate control, lubricating oil tribology, and prototypes for methanol and dimethyl-ether-fueled engines

JOHNSON & JOHNSON CONSUMER COMPANIES, INC. MEDAL

Solomon Adera, Ph.D., Member Department of Mechanical Engineering University of Michigan 2428 GG Brown 2350 Hayward St. Ann Arbor, MI 48109-2125		For excellence in research, teaching, mentoring, and professional contributions to ASME, InterPACK, and ITherm Conferences; and for extensive, distinguished service to students

DUANE P. JORDAN EARLY CAREER AWARD

Richard Lee Hollenbach III, Member Senior Engineer, Thermal Sciences Exponent Scientific and Engineering Consulting 3350 Peachtree Rd NE Suite 1125 Atlanta, GA 30326		For growth as a recognized engineering expert through advanced academic degrees and professional certifications; for the successful completion of multiple leadership programs within the engineering community; and for extensive local and international volunteer activity

DIXY LEE RAY AWARD

Armistead Russell, Ph.D., Fellow Georgia Institute of Technology School of Civil and Environmental Engineering Atlanta, GA 30332		For impactful research in air pollution modeling and its applications for designing effective policy and improving air quality and human health; for exceptional leadership in environmental education; and for exemplary service to society in the pursuit of environmental quality

WARNER T. KOITER MEDAL

Jean-Baptiste Leblond, Ph.D. Institut Jean Le Rond d'Alembert Sorbonne Université Tour 55-65, 4 Place Jussieu Paris, 75005 France		For numerous important analytical and numerical contributions to the field of fracture mechanics in both brittle and ductile materials, helping to predict propagation of cracks and crack paths in complex structures with applications for industry

ROBERT E. KOSKI MEDAL

Adolfo Senatore, Ph.D. Department of Industrial Engineering University of Naples Naples, 21-80125 Italy		For years of outstanding leadership in fluid power research; for persistent efforts to promote fruitful, international relationships between experts and researchers; and for extensive contributions related to fluid power education

FRANK KREITH ENERGY AWARD

Evelyn Wang, Ph.D., Member Department of Mechanical Engineering Massachusetts Institute of Technology 77 Massachusetts Ave., 3-174 Cambridge, MA 02139		For seminal contributions to thermophotovoltaic devices, transparent insulation, and atmospheric water harvesting using solar energy

JAMES N. LANDIS MEDAL

Frederick Moody, Ph.D., Fellow 2125 N. Olive Ave. Apt. D-17 Turlock, CA 95381		For pioneering contributions to predictive methods for the analysis of steady and unsteady thermo-fluid problems, with special emphasis on reactor accident and containment design involving two-phase flow and impact forces on vessel and piping systems

BERNARD F. LANGER NUCLEAR CODES AND STANDARDS AWARD

Frank Schaaf, Jr., Fellow Sterling Refrigeration Corporation 648 Holt Rd. Webster, NY 14580		For dedicated service and leadership in the development, improvement and promotion of ASME Nuclear Codes and Standards over a substantial number of years, including provisions for inservice inspection requirements, high-density polyethylene piping, and high-temperature advanced reactors

WILFRED C. LAROCHELLE CONFORMITY ASSESSMENT AWARD

Paul A. Williams, Member Quality and Regulatory Compliance Solutions, Ltd. 4 Lancaster Gardens, Birchington-on-Sea Kent, CT7 9TH United Kingdom		For exemplary service to conformity assessment in establishing and advancing certification and accreditation programs, and for outstanding performance, invaluable insights, and demonstrated leadership on numerous projects related to codes and standards

GUSTUS L. LARSON MEMORIAL AWARD

Kejie Zhao, Ph.D., Fellow Purdue University 585 Purdue Mall Room 3166 West Lafayette, IN 47906		For outstanding achievements in mechanical engineering within 10 to 20 years following graduation

H.R. LISSNER MEDAL

Kai-Nan An, Ph.D., Fellow Mayo Clinic College of Medicine and Science 200 First Street, S.W. Rochester, MN 55905		For pivotal developments in experimental and analytical methods to quantify and model the human musculoskeletal system, and for profound clinical impacts on joint replacement and soft tissue repair

CHARLES T. MAIN STUDENT LEADERSHIP AWARDS

Gold

Gopika Anil Kumar Pillai, Member Mar Athanasius College of Engineering, Kothamangalam Kochi, Kerala 686666 India		For exceptional leadership, technical innovation, and dedication to engineering education, community outreach, and project execution

Silver

Adhiga M S, Member APJ Abdul Kalam Technological University CET Campus, Alathara Road Ambady Nagar Thiruvananthapuram Kerala, 695016 India		For exemplary leadership in organizing and coordinating events, and for unparalleled documentation skills in various design projects within and beyond ASME

MCDONALD MENTORING AWARD

Guillermo Aguilar, Ph.D., Fellow Department of Mechanical Engineering Texas A&M University 102 Mechanical Engineering Office Building 3123 TAMU 202 Spence St. College Station, TX 77840		For exceptional mentorship, guidance, and support, fostering professional and personal growth for engineering students and researchers

M. EUGENE MERCHANT MANUFACTURING MEDAL OF ASME/SME

Keith Krach 3points LLC 221 Main Street #1000 San Francisco, CA 94105		For exceptional technological contributions and innovations in supply chain management that have transformed the manufacturing sector

VAN C. MOW MEDAL

Yongjie Jessica Zhang, Ph.D., Fellow Department of Mechanical Engineering Carnegie Mellon University 360 Scaife Hall 5000 Forbes Avenue Pittsburgh, PA 15213		For pioneering contributions to developing novel algorithms of image-based geometric modeling, isogeometric analysis, multiphysics and data-driven modeling to simulate neuron material transport, traffic regulation and growth, cardiovascular systems, as well as leadership in the computational bioengineering profession

NADAI MEDAL

Vikram Deshpande, Ph.D. Department of Engineering University of Cambridge Trumpington Street Cambridge, CB2 1PZ United Kingdom		For pioneering contributions to modeling active materials, including the development of bio-chemo-mechanical frameworks to elucidate cellular responses; and for advancements in the understanding of failure mechanisms in lithium-ion batteries through innovative experiments and theoretical insights

SIA NEMAT-NASSER EARLY CAREER AWARD

Grace Gu, Ph.D. Department of Mechanical Engineering University of Berkeley 6177 Etcheverry Hall Berkeley, CA 94720-1740		For innovative work that elucidates the interplay between microstructure and mechanical properties essential for the design of advanced composite materials, and for inspiring the next generation of students to further the study of composites

BARNETT-UZGIRIS PRODUCT SAFETY DESIGN AWARD

Wei Chen Northwestern University Mechanical Engineering Department 2145 Sheridan Rd. Evanston, IL 60208		For significant contributions to design under uncertainty that have advanced both theoretical development and practical applications of statistical inference and probability theory for developing robust and reliable products and systems

THOMAS K. CAUGHEY AWARD

Balakumar Balachandran, Ph.D. Department of Mechanical Engineering University of Maryland 2133 Glenn L. Martin Hall Building 088 College Park, MD 20742		For groundbreaking experimental, computational, and analytical work on the dynamics of nonlinear mechanical systems subjected to random noise disturbances

RUFUS OLDENBURGER MEDAL

Hassan Khalil, Ph.D. Department of Electrical Engineering Michigan State University 428 S. Shaw Lane East Lansing, MI 48824		For contributions to nonlinear control theory, nonlinear observers, output feedback control of nonlinear systems, and multiple-time-scale methods

PERFORMANCE TEST CODES MEDAL

Mitchell Johnson, Member JMS Southeast, Inc. 105 Temperature Lane Statesville, NC 28677		For outstanding and continuous leadership, achievements, and contributions to ASME performance test codes and related work for over 13 years, notably in the areas of temperature measurement, pressure measurement and thermowells

OUTSTANDING STUDENT SECTION LEADER AWARD

Manohar Chidurala, Ph.D., Member Western Kentucky University 1906 College Heights Blvd. EBS 2114 Bowling Green, KY 42101		For exceptional leadership, mentorship, and dedication that have transformed Western Kentucky University's ASME student section; for fostering an inclusive, collaborative, and empowering environment for professional development; and for extensive work establishing community engagement opportunities

PI TAU SIGMA GOLD MEDAL

Matthew Powell-Palm, Ph.D., Member Department of Mechanical Engineering Texas A&M University 3123 TAMU 202 Spence Street College Station, TX 77840		For outstanding achievements in mechanical engineering within ten years of graduation

RALPH COATS ROE MEDAL

Calvin Mackie, Ph.D., Member Founder/CEO STEM NOLA 4910 Drexel Drive New Orleans, LA 70125		For educating young people about the wonders of engineering and opening opportunities for underrepresented populations to pursue higher technical education and rewarding STEM careers

CHARLES RUSS RICHARDS MEMORIAL AWARD

Julio Ottino, Ph.D. Northwestern University McCormick School of Engineering 2145 Sheridan Road Evanston, IL 60208		For outstanding achievements in mechanical engineering for 20 years or more following graduation

ROBERT M. NEREM EDUCATION AND MENTORSHIP MEDAL

Alan W. Eberhardt, Ph.D., Member Dept. of Biomedical Engineering University of Alabama at Birmingham Hoehn 361 1075 13th Street South Birmingham, AL 35222		For transformative leadership and mentorship of hundreds of undergraduate and graduate students through clinical and industrial immersion and entrepreneurship with applications for medical devices and products to aid the disabled

SAFETY CODES AND STANDARDS MEDAL

Ronald Kohner, Member Landmark Engineering Services 2872 Marion St. St. Paul, MN 55113-2413		For significant advancements in the requirements and recommendations for safe construction, inspection, maintenance, and operation of mobile cranes and lifting devices, and for promoting consistency in regulatory requirements

MILTON C. SHAW MANUFACTURING RESEARCH MEDAL

Yong Huang, Ph.D., Fellow Department of Mechanical and Aerospace University of Florida Engineering P.O. Box 116250 Gainesville, FL 32611-6250		For experimental and theoretical contributions to the knowledge of process physics and printing-induced cell injury in jet- and extrusion-based printing

RUTH & JOEL SPIRA OUTSTANDING DESIGN EDUCATOR AWARD

Amaresh Chakrabarti, Ph.D., Member Department of Design and Manufacturing Indian Institute of Science Bangalore, Karnataka 560012 India		For significant contributions to design education around the world through the development of innovative teaching and research programs, and for leadership in the global design community

SPIRIT OF ST. LOUIS MEDAL

Stephen W. Tsai, Ph.D., Fellow Dept. of Aeronautics & Astronautics Stanford University Stanford, CA 94305		For pioneering contributions to the field of composites, including the development of the Tsai-Wu Failure criterion, double-double laminates for high performance composites, and for conducting online workshops and conferences

J. HALL TAYLOR MEDAL

James Meyer, Member CDM Smith 165 Smokerise Dr. Wadsworth, OH 44281-8702		For exemplary leadership and generous mentoring within ASME Codes and Standards, including extensive advocacy of ASME Codes through the development of international working groups

JAMES HARRY POTTER GOLD MEDAL

Jay Gore, Ph.D. Fellow Purdue University School of Mechanical Engineering 585 Purdue Mall West Lafayette, IN 47907		For the discovery of big-data-based exergy efficiencies in the optimal operation of Rankine-cycle-based power plants, and for extensive contributions to the emerging fields of big data, convolutional neural networks, machine learning, and AI in physics-based models of energy

ROBERT HENRY THURSTON LECTURE AWARD

Gang Bao, Ph.D., Fellow Department of Bioengineering Rice University 6100 Mian MS-550 Houston, TX 77005		For outstanding and sustained contributions to the mechanics of composites, cell mechanics, biotechnology, and nanomedicine

TIMOSHENKO MEDAL

Norman A. Fleck, Ph.D. University of Cambridge Engineering Department Mechanics, Materials and Design Division Trumpington Street CB2 1PZ Cambridge United Kingdom		For seminal contributions to the mechanics of materials, including non-local theories, multi-phase lattices, coupled solids and high-performance composites, with direct engineering implications for application in areas such as aeroengines and defense

SAVIO L-Y. WOO TRANSLATIONAL BIOMECHANICS MEDAL

Umut A. Gurkan, Ph.D., Member Dept. of Mechanical and Aerospace Engineering Case Western University 1099 Euclid Ave. Glennan 616B Cleveland, OH 44106		For outstanding discoveries and inventions that have led to the translation and commercialization of point-of-care diagnostic technologies for sickle cell disease in underserved populations

GEORGE WESTINGHOUSE GOLD MEDAL

Kai Hong Luo, Ph.D., Member Department of Mechanical Engineering University College London Torrington Place London WC1E 7JE United Kingdom		For groundbreaking contributions to digital and AI-enhanced analysis, control, prediction, design and optimization of energy and power systems, leading to accelerated research and development, increased energy efficiency, lower emissions and carbon footprint, and improved sustainability

ARTHUR L. WILLISTON MEDAL

WINNER

Hassan Khan, Member Weatherford Well Services Weatherford, Plot 11B, Street 25 Salway Industrial Area Doha, Qatar		For exceptional leadership in engineering education, for securing industry partnerships and fostering STEM outreach via collaboration, and for inspiring future engineers through research symposiums and career guidance

SECOND

Abdul H. Shakil Hafeez, Member Karsaz Private Limited House No. C-34, Sector W-3 Gulshan e Maymar Karachi, Sindh 07526 Pakistan		For outstanding leadership in clean water access, environmental conservation, innovative healthcare solutions, and entrepreneurial ventures that empower communities, advance technology, and foster sustainable futures through leadership, innovation, and mentorship

THIRD

Muhammad H. Ahmad, Member COMSATS University Islamabad, Wah Campus Ittefaq Town, opposite street 1 G11/1, Service Road Islamabad, Punjab 44000 Pakistan		For demonstrable commitment to education, humanitarian service, and climate advocacy, significantly impacting local and global communities; and for visionary leadership in fostering sustainable practices and empowering future generations through knowledge and service

HENRY R. WORTHINGTON MEDAL

Luis San Andres, Ph.D., Fellow 5916 Wild Horse Run College Station, TX 77845		For groundbreaking analytical and experimental work evaluating the performance and dynamic response of pump annular seals, advancing the stability of rocket engine turbopumps and engineered multiple phase pumps for the subsea oil and gas production industries

S.Y. ZAMRIK PVP MEDAL

Abdel-Hakim Bouzid, Ph.D., Fellow Ecole de Technologie Supérieure 1100 Notre Dame Ouest Montreal, Quebec H3C 1A3 Canada		For pioneering technical research in the field of bolted joint assemblies found in pressure vessels and piping systems, outstanding teaching and mentoring in the field, unwavering support for codes and standards development, and extraordinary service to the ASME Pressure Vessel and Piping Division

LITERATURE AWARDS

BLACKALL MACHINE TOOL & GAGE AWARD

Gary J. Cheng, Ph.D., Fellow Purdue University School of Industrial Engineering 315 N. Grant Street West Lafayette, IN 47907 Sen Xiang, Ph.D. Thyssenkrupp 2226 Prescott Dr. Troy, MI 48083 Xingtao Liu, Ph.D. Southeast University No. 2 SEU Rd. Nanjing, Jiangsu, 211189 China Licong An, Ph.D. Apple, Inc. Neil Armstrong Hall of Engineering 701 W. Stadium Ave. West Lafayette, ID 47907 Haozheng Qu, Ph.D. GE Vernova Advanced Research Center 1 Research Circle Niskayuna, NY 12309		For the paper titled "Nanoengineered Laser Shock Processing Via Pulse Shaping for Nanostructuring in Metals: Multiscale Simulations and Experiments”

GAS TURBINE AWARD

Mikolaj Jan Pernak, Ph.D. Dept. of Mechanical Engineering University of Bath Claverton Down Bath, BA2 7AY United Kingdom Tom E. W. Nicholas, Ph.D. University of Bath 4 East Mechanical Engineering Claverton Down Bath, BA2 7AY United Kingdom Gary Lock, Ph.D. Dept. of Mechanical Engineering University of Bath Claverton Down Bath, BA2 7AY United Kingdom Hui Tang, Ph.D. Dept. of Mechanical Engineering University of Bath Claverton Down Bath, BA2 7AY United Kingdom		“Experimental Investigation of Transient Flow Phenomena in Rotating Compressor Cavities.”

James A. Scobie, Ph.D. Dept. of Mechanical Engineering University of Bath Dept. of Mechanical Engineering Claverton Down Bath, BA2 7AY United Kingdom Richard Jackson, Ph.D. Decision Analysis Services Ltd. Grove House, Lutyens Close Chineham Court Basingstoke, RG24 8AG United Kingdom Jake T. Williams Rolls Royce Plc. P.O. Box 3 Filton, Bristol, BS34 7QE United Kingdom		

HENRY HESS EARLY CAREER PUBLICATION AWARD

Xiaojia Shelly Zhang, Ph.D., Member University of Illinois at Urbana Department of Civil and Environmental Engineering 205 North Mathews Ave. 3108 Newmark Laboratory Urbana, IL 61801 Zhi Zhao University of Illinois at Urbana Department of Civil and Environmental Engineering 205 North Mathews Ave. 3108 Newmark Laboratory Urbana, IL 61801 Cao Wang University of Illinois at Urbana Department of Civil and Environmental Engineering 205 North Mathews Ave. 3108 Newmark Laboratory Urbana, IL 61801		For the paper titled “Tuning buckling behaviors in magnetically active structures: Topology optimization and experimental validation”

EDWARD F. OBERT AWARD

Enrico Dal Cin, Ph.D., Member University of Padova Via Venezia 1 Padona, Veneto 35131 Italy Gianluca Carraro, Ph.D., Member University of Padova Via Venezia 1 Padona, Veneto 35131 Italy		For the paper titled “A Two-Level Optimization Approach for The Synthesis, Design and Operation of Multi-Energy Systems Integrated with Energy Networks”

George Tsatsaronis, Ph.D., Member Technische Universitaet Berlin Marchstrasse 18 Berlin, 10587 Germany		

WORCESTER REED WARNER MEDAL

Xue Feng, Ph.D., Fellow Tsinghua University Department of Engineering Mechanics Mengminwei Science Building Beijing, 100084 China		For pioneering contributions to theoretical and experimental mechanics of flexible film-substrate structure, including applications in strain engineering of nanoscale materials, flexible devices of high performance, and industrial scale production of micro-LEDs

PRIME MOVERS COMMITTEE AWARD

Sharad Pachpute, Ph.D. Lotte India Building, 3rd floor, 4/169, Rajiv Gandhi Salai (OMR) Perungudi, Chennai Chennai, Tamil Nadu 600096 India Jason Lee, Member Babcock Power Services 26 Forest St., #300 Marlborough, MA 01752		For the paper titled “Performance Evaluation of Tangentially Fired Boiler Utilizing Hydrogen Enriched Natural Gas Fuel”

Board of Governors Meeting
Agenda Item
Cover Memo

Date Submitted:	May 21, 2025
BOG Meeting Date:	June 6, 2025
To:	Board of Governors
From:	Committee on Organization and Rules
Presented by:	Richard Marboe
Agenda Title:	Proposed Changes to By-Laws B5.3 and B5.7

Agenda Item Executive Summary:

The Public Affairs and Outreach (PAO) and Student and Early Career Development (SECD) Sectors have agreed to move the Committee on Pre-College Education from PAO to SECD. SECD meets the needs of and provides a voice for students and early career engineers. ASME's pre-college activities fit in with that goal as SECD seeks ways to integrate pre-college activities with students and early career engineers.

Proposed motion for BOG Action:

To approve for first reading changes to By-Laws B5.3 and B5.7.

Attachment(s):

Document attached

B5.3 PUBLIC AFFAIRS AND OUTREACH SECTOR

B5.3.1.1 The Public Affairs and Outreach Sector, under the direction of the Board of Governors, is responsible for the coordinated outreach to industry, government, education, and the public. It is responsible for initiatives that address diversity and humanitarian programs. The Public Affairs and Outreach Sector will maintain a current Sector Operation Guide that will contain operational details of the Public Affairs and Outreach Sector that are not in these By-Laws.

B5.3.1.2 The Public Affairs and Outreach Sector shall be led by a Council that consists of the following voting membership: a Senior Vice President as Chair; three members-at-large; and the Chairs for the following Committees: Committee on Engineering Education, Committee on Government Relations,and Committee on Engineering for Sustainable Development, ~~and the Committee on Pre-College Education~~. The Managing Director, International~~Global Public Affairs~~, is a non-voting member.

Commented [DS1]: This moves to the SECD Sector.

B5.3.1.3 The incoming Senior Vice President, Public Affairs and Outreach shall be nominated by the Public Affairs and Outreach Sector Council for appointment by the Board of Governors for a term of three years.

B5.3.1.4 The members-at-large shall be appointed by the Board of Governors, as recommended by the Public Affairs and Outreach Council. The term of the members-at-large shall be one year and they may be re-appointed for up to three terms.

B5.3.2.1 The following Committees will report directly to the Public Affairs and Outreach Council: the Committee on Engineering Education, the Committee on Government Relations, and the Committee on Engineering for Sustainable Development~~, and the Committee on Pre-College Education~~.

B5.3.2.2 The Committee on Engineering Education, under the direction of the Public Affairs and Outreach Council, is responsible for the activities of the Society that relate to engineering education. The Committee shall consist of a Chair, Engineering Education and a membership as determined by the Public Affairs and Outreach Council.

B5.3.2.3 The Committee on Government Relations, under the direction of the Public Affairs and Outreach Council, is responsible for the development of programs for interaction between the Society and government at all levels. The Committee shall consist of a Chair, Government Relations and a membership as determined by the Public Affairs and Outreach Council. The Committee on Government Relations shall recommend policies and procedures and supervise activities that involve Society interaction with government entities.

B5.3.2.4 The Committee on Engineering for Sustainable Development, under the direction of the Public Affairs and Outreach Council, shall be responsible for the collaboration among the engineering and global development stakeholders to create avenues and opportunities within ASME and mechanical engineering around the world to meet the challenges faced by under-served communities. The Committee shall consist of a Chair, appointed by the Senior Vice President, Public Affairs and Outreach, and a membership, as determined by the Public Affairs and Outreach

Council.

~~B5.3.2.5 The Committee on Pre-College Education, under the direction of the Public Affairs and Outreach Council, shall be responsible for educational activities aimed at enhancing pre-college science, technology, engineering, and mathematics education. The Committee shall consist of a Chair, appointed by the Senior Vice President, Public Affairs and Outreach, and a membership, as determined by the Public Affairs and Outreach Council.~~

B5.7 STUDENT AND EARLY CAREER DEVELOPMENT SECTOR

B5.7.1.1 The Student and Early Career Development Sector, under the direction of the Board of Governors, is responsible for meeting the needs and providing a voice for students and early career engineers. The Student and Early Career Development Sector will maintain a current Sector Operation Guide that will contain operational details of the Student and Early Career Development Sector that are not in these By-Laws.

B5.7.1.2 The Student and Early Career Development Sector shall be led by a Council that consists of the following voting membership: a Senior Vice President as Chair; three members-at-large; and the Chairs of the following: the Student Programming Committee, the Early Career Engineer Programming Committee, ~~and~~ the E-Fest Steering Committee, and the Committee on Pre-College Education. The Director, Student and Early Career Development and the Managing Director, Programs are non-voting staff members of the Council.

B5.7.1.3 The incoming Senior Vice President, Student and Early Career Development shall be nominated by the Student and Early Career Development Sector Council for appointment by the Board of Governors for a term of three years.

B5.7.1.4 The members-at-large shall be appointed by the Board of Governors, upon a recommendation of the Student and Early Career Development Council. The term of each member-at-large shall be one year. At least two of the three members-at-large shall have had previous activity within the Sector.

B5.7.2.1 The following Committees will report directly to the Student and Early Career Development Council: the Early Career Engineer Programming Committee, the Student Programming Committee, ~~and~~ the E-Fest Steering Committee, and the Committee on Pre-College Education.

B5.7.2.2 The Early Career Engineer Programming Committee, under the direction of the Student and Early Career Development Council, is responsible for the activities of the Society that relate to career development of early career engineers. The Committee shall consist of a Committee Chair, appointed by the Senior Vice President to a term of three years and a membership as determined by the Student and Early Career Development Council.

B5.7.2.3 The Student Programming Committee, under the direction of the Student and Early Career Development Council, is responsible for development of programs for students. The Committee shall consist of a Committee Chair, appointed by the Senior Vice President to a term of three years and a membership as determined by the Student and Early Career Development Council.

B5.7.2.4 The E-Fest Steering Committee, under the direction of the Student and Early Career Development Council, is responsible for the development of Engineering Festivals (E-Fests). The Committee shall consist of a Committee Chair, appointed by the Senior Vice President to a term of one year, renewable for up to three years, and a membership as determined by the Student and Early Career Development Council.

B5.7.2.5 The Committee on Pre-College Education, under the direction of the Student and Early Career Development Council, shall be responsible for educational activities aimed at enhancing pre-college science, technology, engineering, and mathematics education. The Committee shall consist of a Chair, appointed by the Senior Vice President to a term of three years, and a membership as determined by the Student and Early Career Development Council.

Board of Governors Meeting
Agenda Item
Cover Memo

Date Submitted:	May 21, 2025
BOG Meeting Date:	June 6, 2025
To:	Board of Governors
From:	Committee on Organization and Rules
Presented by:	Richard Marboe
Agenda Title:	Changes to Society Policy P-4.4

Agenda Item Executive Summary:

Recent changes to By-Law B5.2 to define “committees of the Board” and “committees of the corporation” prompted a review of the terminology used in Society Policy P-4.4.

Proposed motion for BOG Action:

To approve changes to Society Policy P-4.4.

Attachment(s): Society Policy changes.

P-4.4
6/23

SOCIETY POLICY

APPOINTMENT OF ASME VOLUNTEER PERSONNEL TO NON-ELECTED POSITIONS

I. PREFACE

A. Successful accomplishment of ASME objectives, and hence its standing in the eyes of the profession and the public, depends in large measure on the quality of the work of the Society's units and its volunteers.

B. It is the responsibility of those charged with nominating personnel to units of the Society to seek out members of ASME who both are motivated to serve and are able to accept the responsibilities involved.

C. This Policy relates to the nomination and appointment of non-elected volunteer positions.

D. Society Policy P-4.3, Qualifications of ASME Officers and Governors and Requirements of Service, covers the positions of Officers and Governors.

E. Society Policy P-15.11, Diversity and Inclusion, states in part, "ASME shall dedicate time and resources to ensure the active participation as well as leadership opportunities of talented individuals from all segments of society."

F. By-Law B5.2.4.1 states in part, "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 …"

G. Constitution Article C4.1.1 states in part, "In the discretion of the Board of Governors, up to two members-at-large, who need not be members of the Society, each appointed by the vote of a majority of the Entire Board of Governors (each, an "Appointed Governor") upon their determination that the size of the Board of Governors may be fixed at thirteen or fourteen, as the case may be, to include a seat for the proposed appointee and that the proposed appointee has demonstrated substantial philanthropic support of the Society's mission and sustained engagement with the field of engineering."

II. PURPOSE

A. To provide guides for selection and nomination of appointed volunteers relative to requirements of the position and term of service.

B. To provide the procedure leading to appointment.

III. POLICY

A. Sector Council, Board, or Committee Members.

1. Qualifications

a. A full understanding of the purposes and objectives of the unit.

b. Experience, judgment, and motivation closely related to the work of the specific unit on which they are serving.

2. Governors shall not serve as a member of any other unit except as specified in the By-Laws.

B. ~~Standing~~ Committees of the corporation and committees of the Board ~~Reporting to the Board of Governors~~

1. Committee on Organization and Rules, ~~Committee on Finance,~~ Committee on Honors, History and Heritage Committee, Committee on Sustainability, Diversity, Equity and Inclusion Strategy Committee, ~~and~~ Volunteer Orientation and Leadership Training Academy, Committee on Sustainability, Scholarship Committee and Old Guard Committee.

a. A full term on these committees is defined as three years; partial year terms are permitted. The combination of partial and full terms cannot exceed six years.

b. Additional service beyond six consecutive years will be permitted only after the passage of at least two years or in the event of ex-officio service.

c. In the event of a nomination for more than one Past President to serve on the committee, a statement must accompany the nomination setting forth specific reasons why this appointment is in the best interest of the Society. The term of the appointment is one year and must be approved by the Board of Governors, taking into consideration the feedback from the Committee on Organization and Rules.

d. An individual shall not serve on more than one committee of the corporation ~~Standing Committee Reporting to the Board~~ at the same time unless service on one or both of them is in an ex-officio capacity. An individual may serve on two committees of the corporation ~~Standing Committees Reporting to the Board of Governors~~ at the same time if recommended by the Committee on Organization and Rules and approved by the Board of Governors if documentation is provided addressing any potential conflicts of interest for serving on the two committees.

2. Audit Committee, Committee on Executive Director/CEO Evaluation and Staff Compensation, Committee on Finance and Investment and Executive Committee

P-4.4
6/23

a. ~~The President shall nominate incoming first year Elected Governors for appointment by the Board for service on~~ Members of the Audit Committee~~, and~~ Committee on Executive Director/CEO Evaluation and Staff Compensation~~,~~ Committee on Finance and Investment, and Executive Committee shall be appointed as specified in By-Laws B5.2.2.1, B5.2.2.2, B5.2.2.3 and B5.2.2.4 ~~B5.2.6.2 and B5.2.9.2~~.

b. The President is an ex officio member of the Committee on Executive Director/CEO Evaluation and Staff Compensation and the Executive Committee with vote.

~~c. Members of the Executive Committee shall be appointed as set forth in By-Law B5.2.3.2~~.

Formatted: Indent: Left: 2", No bullets or numbering

3. Committee of Past Presidents

a. Membership is for lifetime unless a Past President becomes ineligible according to By-Law B5.2.3.2.

4. Philanthropy Committee

a. The Philanthropy Committee members are permitted to serve on one additional committee of the corporation~~Standing Committee Reporting to the Board~~. In the event of a nomination for more than one Past President to serve on the committee, a statement must accompany the nomination setting forth specific reasons why this appointment is in the best interest of the Society. The term of the appointment is one year and must be approved by the Board of Governors, taking into consideration the feedback from the Committee on Organization and Rules.

5. Industry Advisory Board

a. The Industry Advisory Board membership shall be determined annually by the Board of Governors. Industry Advisory Board members are permitted to serve on one additional committee of the corporation~~Standing Committee Reporting to the Board~~.

6. The Operation Guides of all committees of the corporation~~Standing Committees Reporting to the Board~~ shall contain a specific leadership succession plan.

C. Guidelines

1. Units of the Society are encouraged to seek out volunteers to serve that are not already serving in other capacities, unless serving as a representative of a parent unit or as a liaison.

2. Units are encouraged to strive for diversity and inclusion in volunteer leadership by making a conscious effort to take diversity and inclusion into account when filling vacancies as provided in Society Policy P-15.11.

3. Units are encouraged to continually solicit and train younger members in unit work.

D. Terms of Office

1. Unless otherwise specified in this policy, the term of office of a member of a sector, board, council or committee is specified in the respective Operation Guide.

2. Unless otherwise specified in this policy, individuals who have completed one or more terms of service to a unit may be reappointed for an additional term.

   a. If the total continuous service in that position does not exceed two full terms, then the justification for reappointment shall be similar to the justification for the original appointment.

   b. In the event of a reappointment for which total service would exceed two full terms, a statement must accompany the nomination setting forth specific reasons why this appointment is critical to the well-being of the unit, and the exceptional circumstances involved.

E. Membership

1. All members of ASME units shall be members of ASME.

   ~~a. standing committees reporting to the Board of Governors,~~
   ~~b. sector councils,~~
   ~~c. boards,~~
   ~~d. standing and special committees under committees, sector councils and boards,~~
   ~~e. technical division and sub-division executive committees~~
   ~~f. and all Society representatives to joint activities~~
   ~~shall be members of ASME.~~

   ~~2.~~ However, ~~E~~exceptions are permissible in those cases where non-members may be needed to serve on an ASME unit~~various technical committees and sub-committees or working groups~~ to bring special skills to the task or to represent related organizations. When such non-members of ASME are nominated, the reasons for so doing must be set forth in making the proposal and documented in the nomination form or unit meeting minutes.

~~3.~~2. Appointed Governors are not required to be members of ASME.

Formatted: Condensed by 0.15 pt
Formatted: Condensed by 0.15 pt
Formatted: Condensed by 0.15 pt
Formatted: Condensed by 0.15 pt
Formatted: Condensed by 0.15 pt
Formatted: Condensed by 0.15 pt
Formatted: Indent: Left: 1.5", No bullets or numbering

F. Inter-Sector Committees

The procedure for appointments to such committees is the same as to any regular board or committee.

G. Appointment and Nominating Responsibilities

1. The Operation Guide of each unit shall define members of the nominating committee for their unit. In addition, each guide will list positions, including the qualifications (e.g., knowledge and skills) necessary for such positions, and terms of office required. Each nominating committee will provide suitable candidates for consideration at least six months prior to commencement of the term.

2. The nominating responsibility can be achieved through direct nominations by the unit or by unit confirmation of nominating subcommittee recommendations.

3. In the case of the standing committees reporting to the Board of Governors, the members of each unit shall have nominating responsibility.

IV. PROCEDURE

A. Appointments Requiring Approval by the Board of Governors

1. The Committee on Organization and Rules shall be responsible for reviewing proposed nominations to the Board of Governors and providing a statement to the Board as to whether the nomination helps to ensure that the Society is supplied with:
    a. qualified leadership to serve the current and future needs of the membership;
    b. the active participation, as well as leadership opportunities, of talented individuals from all segments of the Society

2. The statement from the Committee on Organization and Rules shall be provided prior to the appointments made by the Board of Governors, including all members of sector councils except for the position of senior vice president and chairs of the sector committees.

3. All nominations for appointments specified in IV.A.1 shall be submitted to the Committee on Organization and Rules on a special nomination form. Staff members may sign the form on instructions from the sector or committee and on its behalf.

B. Appointments Delegated to the Sectors

Appointments to boards and committees under a sector are made by that sector's council.

C. Nominations for Appointments Delegated to the Sectors

1. Procedures for nominations will be included in each sector's operation guide.

2. Units of the Society may find it beneficial to call on other units to provide recommendations for unit membership when needed expertise may be available from that area of the Society. Procedures for this option should be included in the operation guides of units.

D. The nominee shall express their intent to serve for the entire appointment term involved.

E. The nominee shall sign a statement of understanding of and compliance with Society Policies P-15.7 (Ethics), P-15.8 (Conflicts of Interest), P-15.9 (Policy Against Discrimination (Including Discriminatory Harassment – Members), P-15.14 (Code of Conduct) and P-14.6 (Society Name, Logo, Seal …).

F. Appointed members who consistently do not attend meetings, reply to correspondence or carry out assigned tasks may be replaced at any time by the appointing unit using the above procedures.

Responsibility: Committee on Organization and Rules

Adopted: May 9, 1968

Revised: June 16-17, 1970
June 18, 1975
April 28, 1978
December 1, 1978
June 25, 1980
March 21, 1984
(editorial changes 3/85)
November 21, 1985
(editorial changes 6/87)
September 8, 1988
(editorial changes 4/89)
(editorial changes 9/89)
June 14, 1995
(editorial changes 1/96)
(editorial changes 9/98)
(editorial changes 3/01)
November 16, 2001
June 1, 2005
June 8, 2008
June 14, 2009
(editorial changes 7/12)
(editorial changes 3/13)

P-4.4
6/23

(editorial changes 8/13)
(editorial changes 8/14)
(editorial changes 6/17)
June 3, 2018
June 5, 2019
January 22, 2020
April 19, 2022
January 31, 2023
June 6, 2023

Board of Governors Meeting
Agenda Item
Cover Memo

Date Submitted:	May 19, 2025
BOG Meeting Date:	June 6, 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:	May 27, 2025
BOG Meeting Date:	June 6, 2025
To:	Board of Governors
From:	Radhika Dharmadhikari, FY25 BOG ECLIPSE Member
Presented by:	Radhika Dharmadhikari
Agenda Title:	BOG ECLIPSE Project

Agenda Item Executive Summary:

As part of the ECLIPSE program, I will be presenting the results of my individual research project which focused on understanding the awareness of sustainability in the India region amongst engineering students.

Proposed motion for BOG Action: n/a

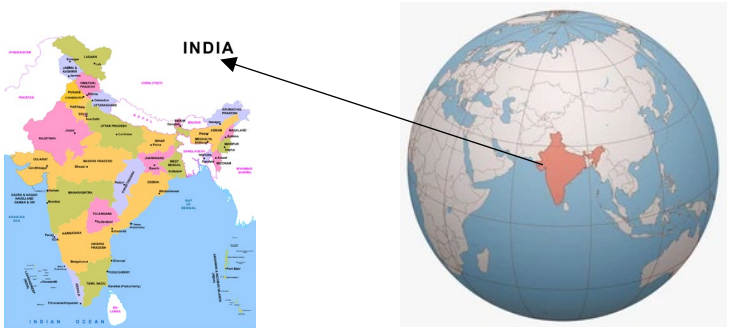
Attachment(s): PowerPoint Presentation

Awareness about Sustainability in the India region amongst Engineering Students

Radhika Dharmadhikari
ECLIPSE BOG Member 24-25

June'25

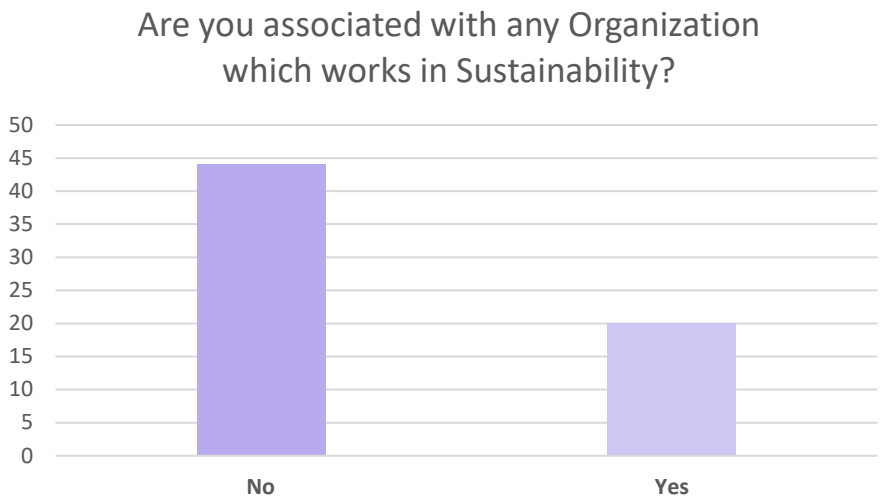
Awareness about Sustainability in the India region amongst Engineering Students



As a part of the ECLIPSE program, for my individual project I choose the topic ‘Awareness about Sustainability in the India region’

Sustainability which is a global term and an important topic of the hour.
I have prepared a questionnaire which was distributed amongst ‘Engineering Students’ across India. The students age group was specifically chosen to have an understanding of the youth of the country. 65+ students across India have responded to the survey.

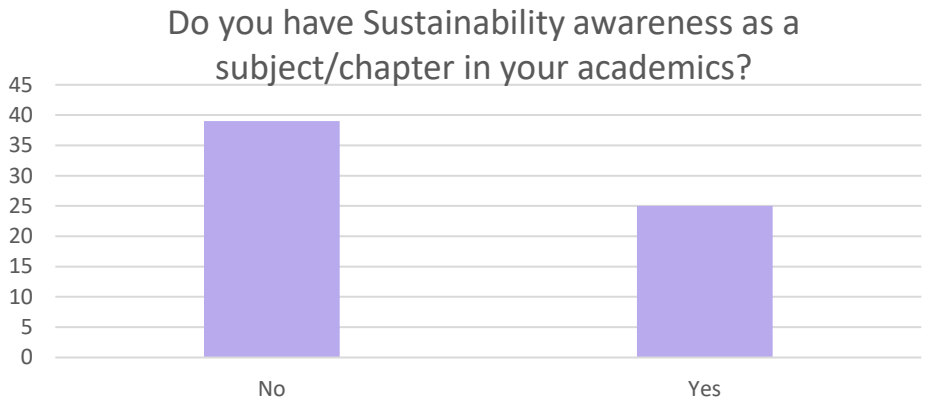
Awareness about Sustainability in the India region amongst Engineering Students



The first question was to understand the mindset of the students if they are involved with any organizations which work towards ‘Sustainability’.

- More the 75% have responded ‘No’ which implies lack of opportunities at the student level at their University.
- Those responding ‘Yes’ mentioned to be a part of the College local clubs, which is a great platform for the students to contribute and make an impact

Awareness about Sustainability in the India region amongst Engineering Students

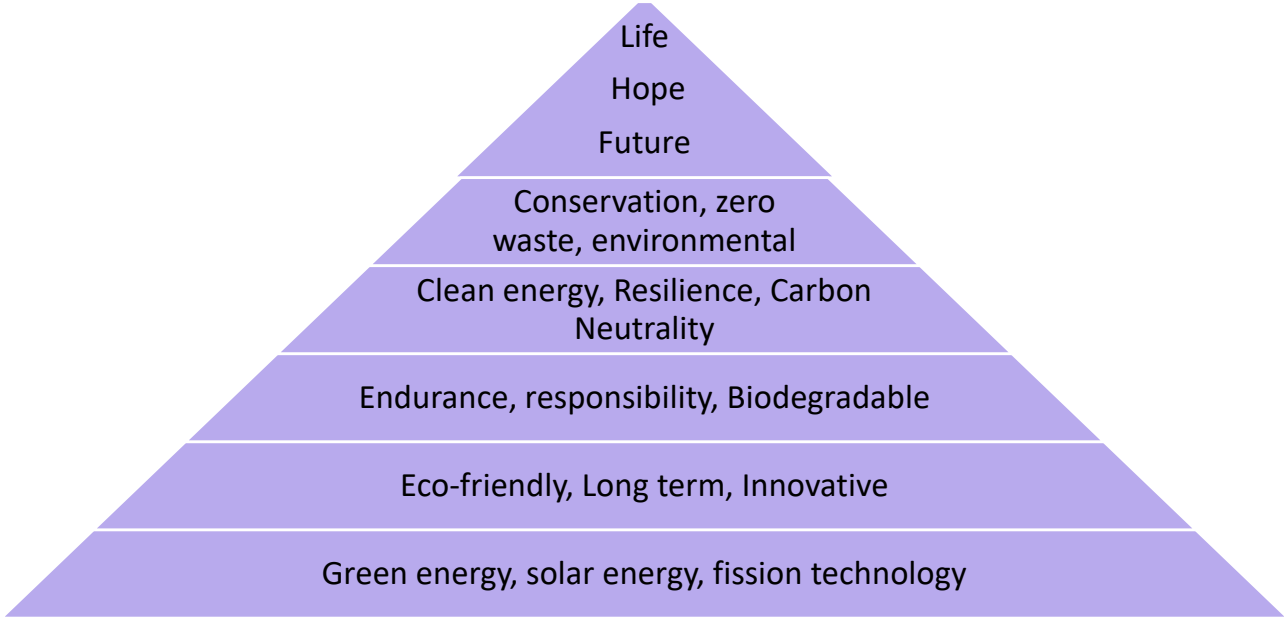


This question was to understand if the engineering students have a subject in their academics about ‘Sustainability’.

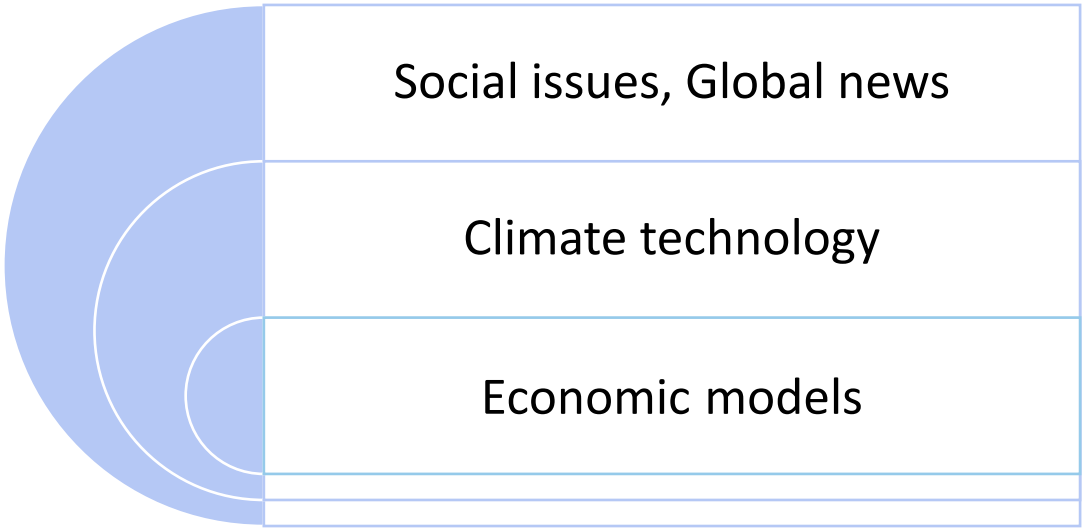
- More the 65% responded ‘No’. If a curriculum which includes appropriate subjects is introduced in the academics, the awareness will increase, and the topic will be taken seriously.
- The ones responding ‘Yes’ have elective subjects which they chose and worked on mini projects.

Awareness about Sustainability in the India region amongst Engineering Students

Can you describe top 3 words you associate with the terminology ‘Sustainability’?



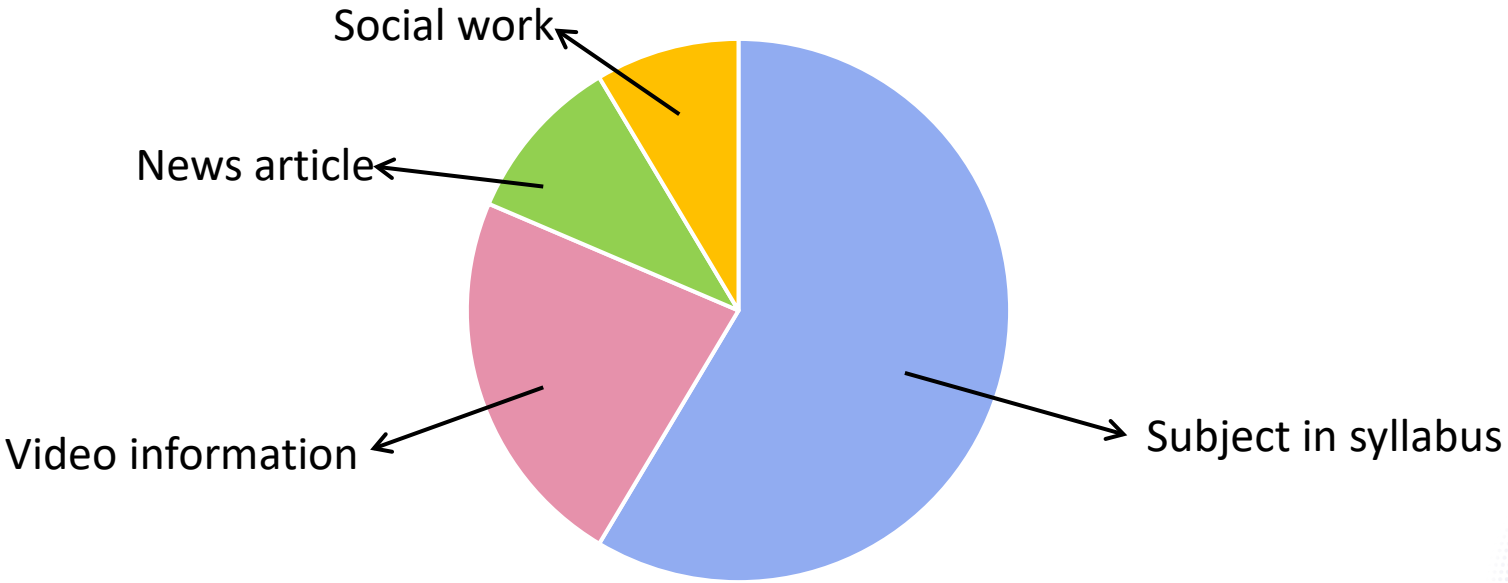
What would you like to be included in your syllabus to increase awareness about Sustainability?



These are the top 3 responses. All these definitely give a clear idea towards what shall be included in the syllabus preferred by the engineering students.

Awareness about Sustainability in the India region amongst Engineering Students

What is an effective way to help the students understand Sustainability better?
According to the students, following are the preferences for easy understanding of the 'Sustainability awareness'



Awareness about Sustainability in the India region amongst Engineering Students

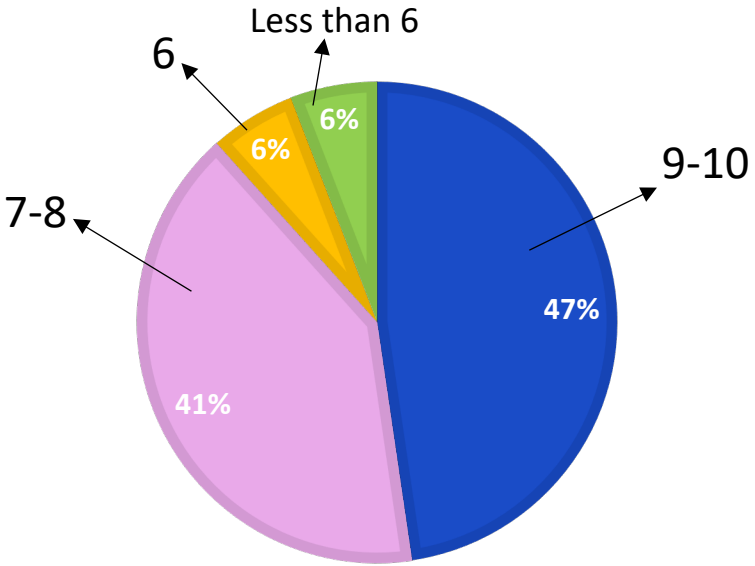
If you want to know more about Sustainability, which resources do you consult?
Suggestions of sources:

Social media	Newspaper	Awareness sessions from professionals in the filed
UN Sustainable Development reports	ASME journals	Sustainable startups

Awareness about Sustainability in the India region amongst Engineering Students

On a rate of 1-10 what do you think the importance of sustainability awareness as a rising professional:

The responses mentioned below, implies high interest and positive response from the students to further learn about Sustainability.



My Key Learnings:

- The Engineering students who participated in the survey are definitely seeking some opportunities to understand more about Sustainability at the University level.
- This is where ASME can step in with student sections which can plan several initiatives like guest lectures and industry visits.
- The students are keen to learn about the social issues and global news
- The social media platforms is the best way to convey the information, and the video format is most suitable according to the survey.
- ASME can initiate tie ups with startups/ industry's which are actively working on Sustainability issues.
- Potential internships can be introduced which will go well with a subject in the curriculum for the syllabus.

Awareness about Sustainability in the India region amongst Engineering Students

These are some interesting insights from the survey which can be taken as action points. The plans are to conduct the same survey globally to understand the response from each country and then navigate the exact path forward to improve the awareness about ‘Sustainability’ in engineering students.

Special thanks:

- Iana Aranda, Rahul KP: ASME sustainability division
- Kathryn Jablokow: BOG mentor for ECLIPSE program
- 65+ students for participating in the survey

THANK YOU

Board of Governors Meeting
Agenda Item
Cover Memo

Date Submitted:	May 19, 2025
BOG Meeting Date:	June 6, 2025
To:	Board of Governors
From:	Senior Vice Presidents
Presented by:	Andy Bicos, Rick Cowan, Jen Jewers Bowlin, Bob Stakenborghs and Tom Vogan
Agenda Title:	Sector Reports

Agenda Item Executive Summary:

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 Presentations**

Public Affairs & Outreach (PAO)
Andy Bicos, Senior Vice President

Sector Update to the Board of Governors

June 6, 2025

Agenda

- Realignment Update
- Committee Updates
  - Engineering Education
  - Engineering for Sustainable Development
  - Government Relations
  - Pre-College Education (K-12 STEM)

Realignment Update

- Changes made this past year:
  - Pre-College Education (K-12 STEM) Committee moved to SECD
  - Engineering for Sustainable Development Committee moving to combine with Committee on Sustainability
  - Changes to Ops Guide to engage Council members in succession planning and working across PAO and other sectors to develop/incubate new programs/committees.
- Great nominee for new SVP emerged out of three strong candidates.
- While PAO committee structure has shrunk, the sector is positioned for taking advantage of several opportunities that will see it thrive and grow in the next few years.

Committee on Engineering Education (CEE)
Dr. Pierre Larochelle P.E., Chair

» **Committee on Engineering Technology Accreditation (CETA)**

- Focus on officer succession planning
- 2025-26 Program Evaluator Candidate (PEVC) training & recruitment (5 applicants; 3 trainings completed)
- Planning for July ABET meeting

» **Committee on Engineering Accreditation (CEA)**

- Nominated ASME representatives to the Engineering Accreditation Commission (EAC); Engineering Area Delegation; and Board of Delegates
- ASME now co-chair for new Mechatronics Criteria
- Recruited additional program evaluators that included more women and representatives from industry and government

Committee on Engineering Education (CEE)
Dr. Pierre Larochelle P.E., Chair

» **ME Department Heads Committee (MEDHC)**

- Successful MEEd Conference held in March at USC
- Multiple members of MEDHC were on the MEEd conference planning and awards committees
- New officers and members-at-large elected

» **MET Leadership Committee (METLC)**

- New board elected
- Developed topical webinars for MET community; conducted 4 during the academic year
- 109 ABET programs have METLC leadership engagement
- Next meeting June 22-25 at ASEE Conference

Committee on Engineering for Sustainable Development (ESD)

Dr. Christopher Mattson, FASME, Chair

ISHOW India completed successfully in partnership with ASME Foundation India

- Innovation Example: AI-powered diagnostic tool that accelerates sepsis detection, crucial for improving patient outcomes in resource-limited settings.
- Innovation Example: Solar-Powered Agricultural Robotic Bull, a hybrid machine designed to enhance productivity and livelihoods for smallholder farmers
- Innovation Example: Clean cooking innovation that upgrades traditional mud stoves, significantly reducing harmful emissions and improving indoor air quality.

ISHOW Dates (promotion, expert reviewers needed)

Africa (June 11-12 (DERs) & June 18 (Awards) - Virtual)
Americas (July 30-31 (DERs) & Aug. 6 (Awards) - Virtual)
Bootcamp - Starting October 2025

E4C Fellowship - 25 Fellow Projects kicked off in May

- Political and funding landscape affecting not only ability to pay for projects but bandwidth to interact with Fellows

E4C Seminar Series continued on May 28 at 4pm EDT with researchers presenting work on Nature-Based strategies for flood management and how they are implemented in Argentina and Australia

ESD / CoS Task Force

- Exploring options for ESD to move out of PAO into a collaborative role with CoS
- Task force met virtually 4 times in March-April
- Reported to CoS with an in-person workshop
- Task force is expanded and continues its efforts
- Estimated 12-18 months to fully move ESD out of PAO

Committee on Government Relations

Mindy Grinnan P.E., Chair

Committee on Government Relations

- Worked to finalize ASME comments on the President's FY 2026 R&D budget proposal and Congressional appropriations process.
- Currently have one Member-at-Large application open on the ASME Community Engagement Center
- Collaborated with Industry Advisory Board for Congressional Outreach Day, April 29, Washington, DC
  - Coordinated with the IAB on SME speakers and congressional meetings during the IAB spring meeting in Washington, D.C.
  - 8 IAB/ASME senior leadership met with 28 individual congressional offices.
  - Meetings highlighted ASME's work to support the advanced manufacturing community through standards and STEM workforce development activities.

ASME Policy Impact

- Supported advocacy campaign opposing the Pro Codes Act preventing its passage in the House of Representatives.
- Conducted briefings with ASME BUs impacted by Trump Administration executive action on publishing, regulatory reform, and R&D funding.
- Received multiple House and Senate Committee inquiries for ASME Federal Fellow support

Current ASME 2024-2025 Federal Fellows:

- **Dr. Joel Berry**, Office of Senator Mark Kelly (AZ)
- **Reece Lumsden**, Office of the Science and Technology Advisor, U.S. Department of State

Incoming Federal Fellow:

- **Dr. Matthew Trone,** University of Utah; will serve as an ASME Congressional Fellow starting September 2025

Committee on Pre College Education (K-12 STEM)

Chair (vacant); Patti Jo Rosenthal, ASME Staff Liaison

Highlights

- 86 events/classroom engagements as of May 2025
  - 4,000 students / K-12 community members engaged
  - 50+ STEM professionals participated
- Jan-April: DropMEIn! monthly collaboration with Williams Co (TX) and Young Women's College Preparatory Academy in Houston
- Feb: Five DropMEIn! classroom events during Eweek Houston
- Feb: Joint ASME/STEM NOLA event in Houston
- April: Earth Day virtual event | 300+ students participated
- Received record-high 235 student applications for INSPIRE High School Scholarship
- Provided eight DropMEIn! content modules for India Office engagements

Upcoming, Summer 2025

- June: STEM learning block at three school camps in the Chicago Public School System
- July: DropMEIn! @ Youth Rise in Passaic, NJ
- July: Microsoft Mentor Camp in Arlington, VA
- July: STEM learning at Beacon House summer camp in Washington, DC

THANK YOU

Section Engagement Sector

The Section Engagement Sector (SES), under the direction of the Board of Governors, is responsible for providing resources, support and governance to our Professional Sections and Student Sections, thereby helping to enable our ASME members to engage within their local communities through rich and meaningful experiences.

SES programs support Professional and Student Sections

- Provide operational support to ensure that the professional and student sections thrive.
- Manage the Volunteer Portal, equipped with the section playbook and leadership directory.
- Coordinate the Ambassador Program; Student Leadership Training Conferences.
- Hold monthly leadership calls.
- Develop impactful programming; communicate best practices.

2024-25 SE Sector Highlights

- Local section events and activities have grown to a six-year high of 436 with over 8,600 attendees thus far in 2025; that is 50 more events than reported in CY2024.
- Grant funding requests have increased with 169 awards totaling $81.5K to date in CY2025 and 128 awards totaling $69.4K in CY2024.
- Volunteers have stepped up to be leaders with over 400 more in section leadership positions this year; 37 students serve on Professional Section leadership teams.
- Volunteers have donated over 3,340 hours in CY2025 to date; a value of $112K per IRS valuation tables.
- With a focus on graduating students and young professionals, 13 in-person events were held with over 200 in attendance.
- A Discord communication channel was launched with over 300 members; young professionals accessed virtual webinars and 14 one-on-one career consultations.

ASME Community Impact Month

- 45 events were held;
  a 60% increase over last year.
- 32 Student Sections and
  28 Professional Sections participated.
- 6 international events.
- 1,200 volunteers are projected to have participated.
- Events included preparing emergency care packages, food banks, K-12 STEM projects, and sustainability-nature restoration projects.

Colorado Professional Section
Tree planting

Sacramento Student Section - Park Clean Up

ASME Community Impact Month

Finishing the semester off strong with ASME X Texas Ramps! Join ASME next semester as we continue to build ramps and improve accessibility within the community.

Trinity Student Section, Texas

.... club members painted a new conference room .... It was exciting to see everyone come together to work as a team on a hands-on community project. .... your hard work made a lasting impact! .... Looking forward to more opportunities like these.

Merrimack College, Massachusetts

ASME Student Leader Weekends

- 5 weekends.
- 438 registered students and advisors.
- Over 975 care kits were assembled for local charities, showcasing ASME's commitment to giving back.
- Provided valuable resources for Section leaders and opportunities for networking with practicing engineers.
- Encouraged membership growth through Section Discount Codes.

Membership Growth

Student Section Members:

Year	New	Renewal	Total	
FY24	770	201	971	**Growth**
FY25	765	234	999	**+ 2.9%**

Our programs are making a tangible impact, fostering professional growth, community engagement, and leadership development.

Membership Growth

Student Section Members:

Year	New	Renewal	Total	Growth
FY24	770	201	971	
FY25	765	234	999	+ 2.9%

Professional Section Members:

Year	New	Renewal	Total	Growth
FY24	128	153	281	
FY25	195	148	343	+ 2.2%

SE Sector Council Highlights

- Participated in the organization of the ASME Peru Section Congress.
- Supported the development of a pilot program aimed at engaging UK Section members and increasing their active participation.
- Mentored Eclipse intern Paul Adedeji in the development of a global tracking model to organize and monitor activities across ASME sections worldwide.
- Actively supported local section events and promoted initiatives to increase the visibility and participation of women in engineering.
- Collaborated with the ASME Committee on Sustainability.
- Expanded the effectiveness of the Council by adding two Members-at-Large.
- Completed a cross-sector search for a SVP candidate via application and nominating committee. Four outstanding candidates were considered.

THANK YOU

The Section Engagement Sector of ASME is excited to build on the foundation of what has been reported, and expand our impact even further in the coming year.

Senior Vice President:
Richard Cowan

Staff Lead:
Evelyn Taylor

Student & Early Career Development

UPDATE TO THE ASME BOARD OF GOVERNORS

JUNE 2025

JENNIFER JEWERS BOWLIN, SECD SENIOR VICE PRESIDENT

E-Fest: A global, digital brand

- E-Fest Tech Connect (formerly E-Fest Digital) continues to be a solid brand focusing on digital competitions.
- **FY25 event (March 22) saw a slight contraction in registration & attendance, but a stronger conversion rate as compared to last year**
  - Total registration: 2875 vs 3415 LY
  - Total attendees: 587 vs 624 LY
  - Conversion: 20% vs 18% LY
- **New Program Highlights:**
  - Old Guard Graduate Student Video Competition
  - Partnering with the History & Heritage Committee to debut a series of ASME Digital Landmarks

Challenges & Opportunities

- Keeping an audience digitally engaged since we have returned to in-person events; however, the digital competitions continue to gain momentum.
- Digital badges are a great incentive!
- E-Fest Careers may run as a series of regionally focused event(s)
- E-Fest Tech Connect will continue to focus on our digital competitions

EFx: In-Person Student-Led Global Events

Key Accomplishments to round out Q4/FY25:

- Successfully launched **18** EFx events (7 in India; 4 in the US; 3 in Pakistan; 1 each in Columbia, Egypt, Lebanon, and Peru)
- Two K-12 workshops were hosted in conjunction with EFx events (one in Peru and one in the US)

Program Performance Metrics:

- 18 EFx events had nearly 3600 attendees
- Competitions (in-person and digital):
  - 260 Elevator Pitch competitors
  - 76 Oral competitors
  - 402 SDC competitors
  - 375 IAM3D competitors
  - 303 eHPVC competitors
  - 232 XRC Lunar Lander competitors
  - 230 XRC Autonomous Vehicles competitors
  - 12 Graduate Student Video competitors
  - 20 Technical Digital Poster competitors

ECE Programs

Key success: Providing ECE-focused content at ASME events

- First FutureME ECE Meetup is taking place on May 28th in Chicago
- A second FutureME ECE Meetup is confirmed for June 25th in Bangalore
- Recruited for and grew ECEPC volunteer team by 25% since Q2 FY25
- ECEPC Volunteers are engaged with other ASME Sectors:
  - 3 ECEPC members are working to revive the British Columbia and Akron Professional Sections
  - An ECEPC member was selected as an ECLIPSE intern for FY 25-26

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

Technical & Engineering Communities (TEC) Sector

BOARD OF GOVERNORS MEETING

JUNE 2025

TEC

Mission

To advance engineering, deliver technical content, and provide growth opportunities to our diverse community

Vision

To be the preeminent technical community that delivers solutions to meet evolving global challenges, by empowering our members

TEC Consolidation Strategy

TEC continues to execute the consolidation strategy:

- Optimize and strengthen the TEC portfolio
- Effectively use resources to deliver value
- Position TEC as a leader in emerging technologies
- Increase engagement with our technical communities

TEC Consolidation Timeline

2024

30+ Conferences

36 Divisions

4 Research Committees

8 Technology Groups

2025

23 Conferences

30 Divisions

5 Technology Groups

2026

<20 Conferences

<30 Divisions

New Focus Areas

Consolidating conferences with compatible content to streamline portfolio and enable new conferences in emerging areas

Future ASME Conference Portfolio (FY27)

ASME CORE Conferences Products

TURBO

IMECE

IPCE

OMAE

PVP

SBC

IDETC-CIE

New Conference Products

Nuclear

Transportation

Manufacturing

Aerospace Materials

Engineering Principles

Sustainable Energy

Middle East Pipeline

TEC Organization

- Strengthening the TEC organization based on current needs, and anticipating future requirements
  - Added a MAL position to provide additional bandwidth
  - FY26, adding industry advisors to broaden TEC's horizons and identify new opportunities
- This will allow TEC to continue to be forward looking and better prepared to successfully fulfill its mission

Future Focus

- The consolidation strategy will continue efforts to optimize and improve the technical conferences
- Next phase will focus on optimization of our technical communities:
  - Improve the health of our Division operations
  - Reimagine Technology Groups
  - Form focus groups to manage the process of creating new Divisions
- TEC will continue to manage both internal and external factors which could threaten progress and develop strategies to mitigate risks

THANK YOU

ASME Board of Governors Meeting

STANDARDS & CERTIFICATION SECTOR

JUNE 6, 2025

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.

Standards & Certification Sector Demographics

- Council Voting Members – 21
- Standards Volunteer Membership – 6,225
  - 74% Domestic
  - 26% International
- Standards Development Groups – 874
- Standards Documents Published – Over 500 Codes Standard and Guides

- Conformity Assessment Volunteer Membership – 297
- Conformity Assessment Groups - 24
- Certification Applications – 624 - Increasing trend over FY2024
- New Company Certifications – 112 – Increasing trend over FY2024

S&C Sector: Top Accomplishments – FY 2025

- On track to issue the 2025 Edition of the ASME BPVC on July 1, 2025
- A new OM 2 Code – Component Testing at Nuclear Facilities was issued that provides requirements for Small Modular Reactors and other advanced reactors
- Board on Nuclear, Clean Energy, Power & Facilities partnership with NEI and EPRI in planning our third Advanced Reactors Codes & Standards Collaboration (ARCSC) workshop – Summer 2025
- Collaboration with TEC Sector/Nuclear Engineering Division for the third ASME Conference on Advanced Reactor Deployment (CARD) – September 2025
- Collaboration with TEC Sector/Nuclear Engineering Division for a new nuclear engineering conference to be held in 2026 (Replacement for ICONE)

S&C Sector: Top Accomplishments Continued

- Nominated new/replacement members at large from the Nuclear Regulatory Commission, NIST and EPRI
- Initiated nomination activities for selection of a new Senior Vice President for FY2027
- The Technical and Strategic Advisory Board (TSAB) has initiated a strategy and assessment project for the five supervisory standards and certification boards
- On the certification side, continuing to increase our forecasting for growth in China, India, and other parts of Southeast Asia
- ASME is a leading partner for the New Standardization Center of Excellence to support U.S. Engagement in Emerging Technology Standards
- ST LLC is leading the efforts for partnership/collaboration and research in Fusion. Additionally, the ST LLC team is continuing to assist in the development of a roadmap to decarbonize industry in Ukraine and eastern Europe through deployment of SMRs

Standards & Certification Sector Challenges FY 2026 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.

S&C Volunteer Challenges

- <40% of S&C volunteers are ASME Corporate members
- S&C volunteers focus is technical contribution to standards
- Issues related to other ASME activities
  - Volunteers not stepping up for consideration in leadership positions
    - S&C Sector Senior Vice President
    - Board on Standardization & Testing (BST) chair and vice-chair
  - Volunteers not stepping up to participate on the ASME Nominating Committee
  - Limited volunteer participation in VOLT & Cross Sector Accelerator Programs
  - Limited volunteer preparation and support for ASME Honors & Awards Nominations
- Topic is again on the Council on Standards & Certification agenda for our June 18 meeting

DISCUSSION

Board of Governors Meeting
Agenda Item
Cover Memo

Date Submitted:	May 14, 2025
BOG Meeting Date:	June 6, 2025
To:	Board of Governors
From:	ECLIPSE Early Career Program
Presented by:	FY25 ECLIPSE Participants
Agenda Title:	ECLIPSE Project Presentation

Agenda Item Executive Summary:

The FY25 ECLIPSE class will present an overview of current association membership trends and their relevance to ASME.

Proposed motion for BOG Action: None

Attachment(s): PowerPoint presentation

Building a Stronger ASME:

Unlocking Membership Growth and Engagement

ECLIPSE GROUP PROJECT

2024-2025

Presentation Outline

Membership Trends in Engineering Societies

- Importance of membership to professional organizations
- Trends in membership
- Cost of Participation
- ASME Trends

Survey of Engineers

- Description of survey
- Survey feedback
- Opportunities for ASME

Membership Enhancement Roadmap

- Strengthen industry engagement
- Enhance professional development for ECEs

Membership Trends in Engineering Societies

Factors in Declining Membership in Professional Organizations

Why are members important for professional organizations?

- Commit time and talent to the community
- Bring value to an association by paying dues

FINANCIAL CONSTRAINT
Cost of dues, financial uncertainty

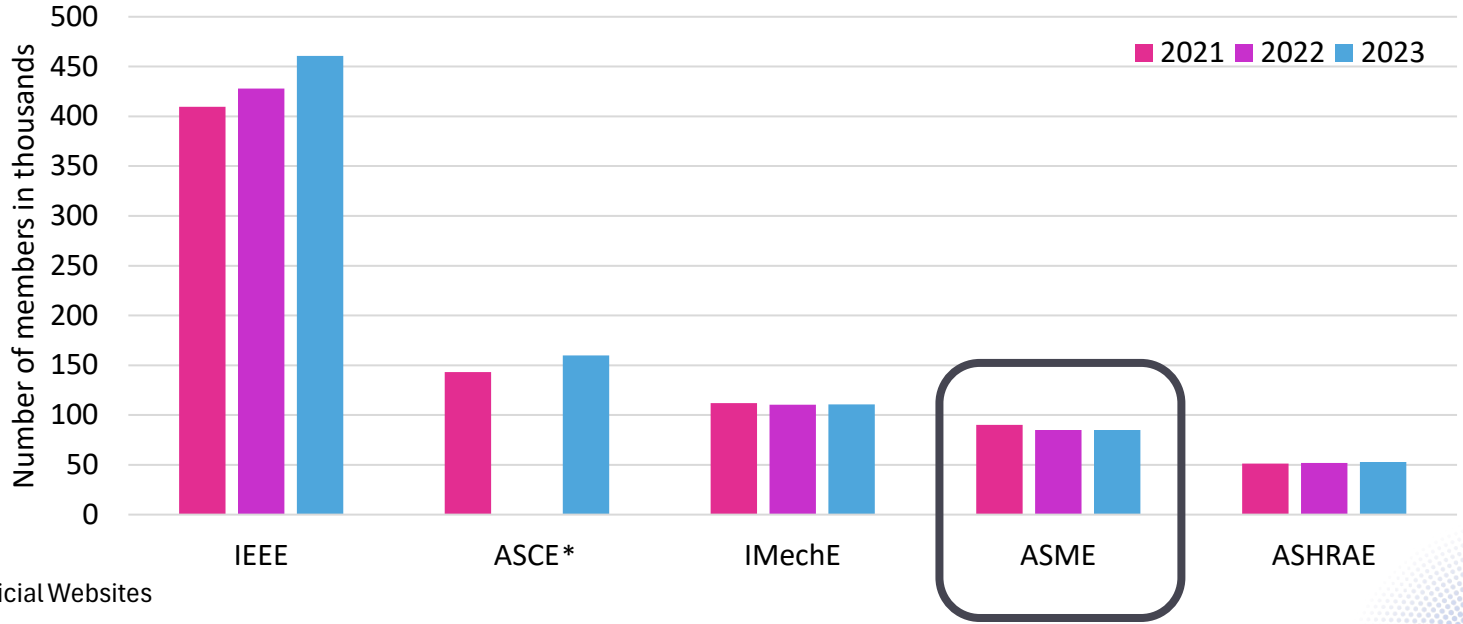
GENERATIONAL SHIFT
Interests and concerns of younger generations not addressed

MEMBERS NOT CENTERED
Members want to be put first in value, offering, and programs

LACK OF AWARENESS
Information on resources and benefits of membership not widely known

Membership Trends in Professional Organizations

Membership is generally flat or declining across engineering societies

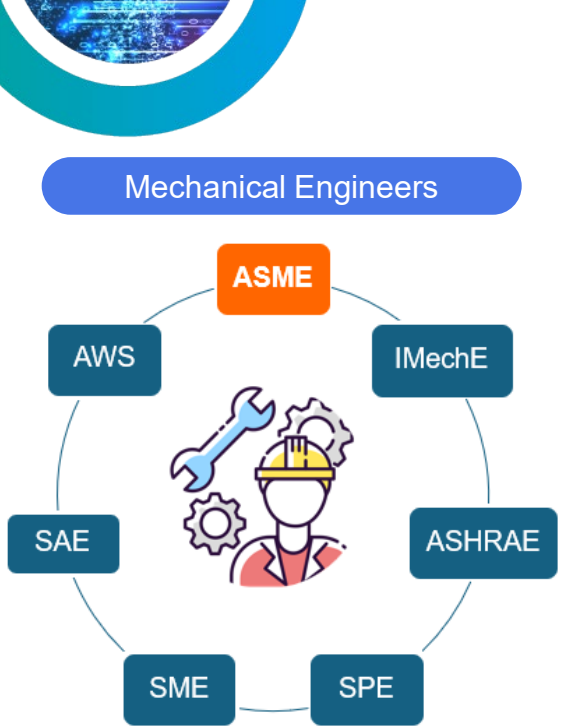


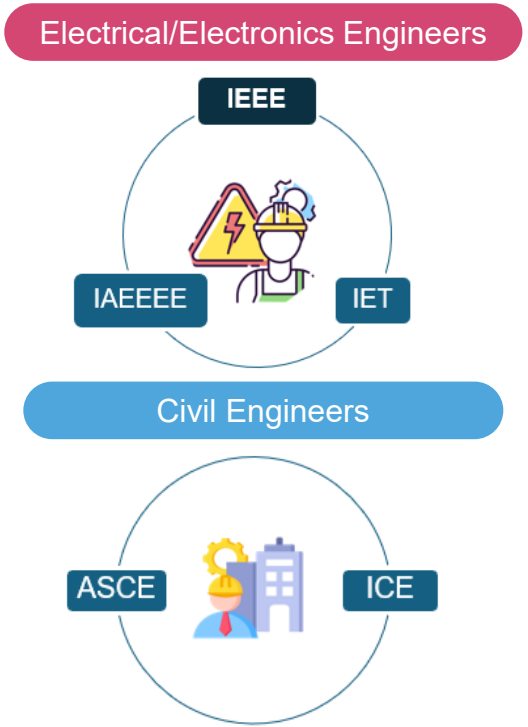
Data Source: Annual Reports, Official Websites

ASCE - American Society of Civil Engineers
IMechE - Institution of Mechanical Engineers
IEEE - Institute of Electrical and Electronics Engineers
ASHRAE - American Society of Heating, Refrigerating, and Air-Conditioning Engineers

* 2022 data not available

Greater Competition among Mechanical Engineering Organizations





There is more competition among organizations for mechanical engineers compared to organizations in other engineering fields.

Insights from IEEE

- Largest scale organization among competitors
- 2,000+ conferences worldwide
- ~65% of members outside the USA
- ~50% of events outside the USA
- International & regional offices
- Different membership model
- Specializations through internal Societies
- Strong early-career support via Young Professionals (YP) program

Cost of Participation Affordability Gap

Cost of Participation

- Membership Fees for Professionals at ASME and other organizations are in the range:
  - $100-$200 for Professional Members
  - $25-$35 for Student Members
- Registration fees for large conferences, such as IMECE, are in the range:
  - $1000 for Professionals
  - $500 for Students
- Between 2019 and 2025, member and non-member conference fees for all organizations has increased by ~35%

Ability to Pay

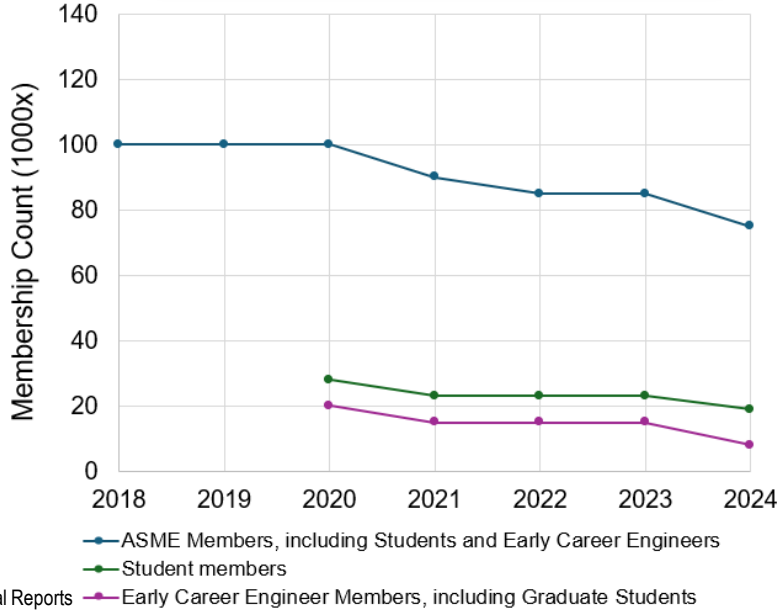
- Mean Annual Wage (MAW) for Mechanical Engineers is $105,000 USD in 2023. Between 2019 and 2025, the MAW has increased by ~20%
- Based on the Consumer Price Index, between 2019 and 2025, cost of living has increased by 25%
- Conference registration fees are ~1% of MAW for mechanical engineers
  - 1% in 2019
  - 1.2% in 2025
- Wage increase has not kept up with inflation
- Membership cost has increased as a % of wage
- Participants have less disposable income for increased fees

Data Sources: US Bureau of Labor Statistics
Paying Mechanical Engineers in the United States 2023 - ASME

Membership Trends in ASME

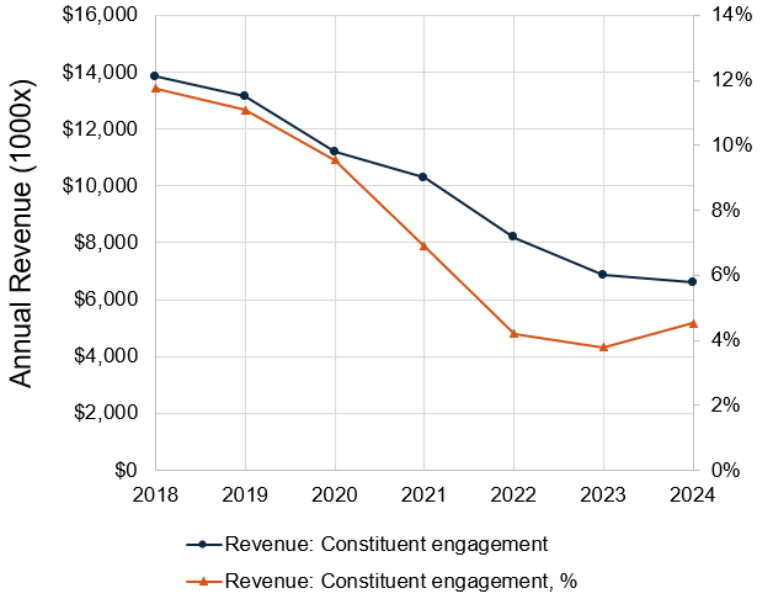
ASME Membership and Revenue

Membership Trends

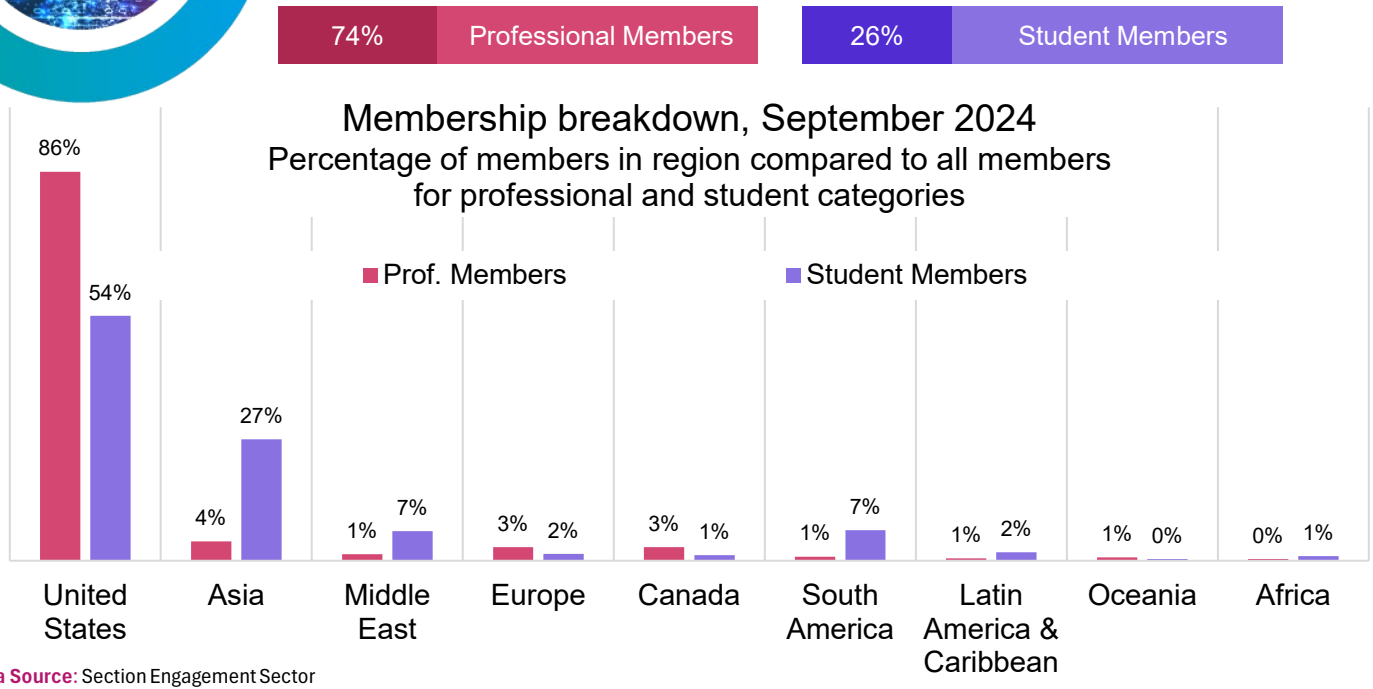


Data Source: ASME Annual Reports

Revenue Trends



ASME Global Membership Trends



Data Source: Section Engagement Sector

- Current membership model relies primarily on the U.S.
- 77% of all members (professionals and students) are from the U.S.
- 10% of all members are from Asia, of whom 66% are from India
- Outside the U.S., student members drive ASME membership
- Focus on sustainable transition from student to professional membership globally

Membership Insights: Professional Sections

Category 1: Leading Sections

Average No of Members: 1000/Section

14%	5 Sections

Region | United States

Santa Clara Valley Section
South Texas Section
Boston Section
Washington DC Section
Hartford Section

Category 2: Thriving Sections

Average No of Members: 500/Section

47%	38 Sections

Region | U.S., India, U.K., Canada

U.S. – 35 Sections
India – 1 Section
U.K. – 1 Section
Canada – 1 Section

Category 3: Growing Sections

Average No of Members: 100/Section

39%	114 Sections

Region | 29 Countries, 6 Conts.

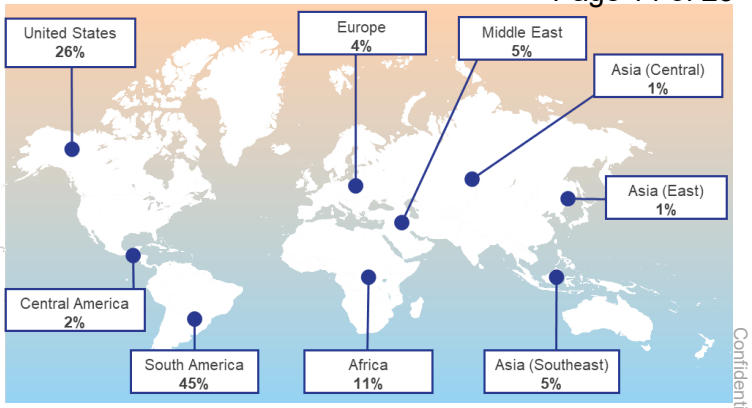
Africa – 2 Sections
Asia – 16 Sections
North America – 84 Sections
South America – 6 Sections
Oceania – 1 Section
Europe – 5 Sections

Data Source: Section Engagement Sector 2024 Data (Clustered with *k*-Nearest Neighbor (kNN) Model)

Survey of Engineers about **Professional Memberships**

Survey Details

Responses by Region

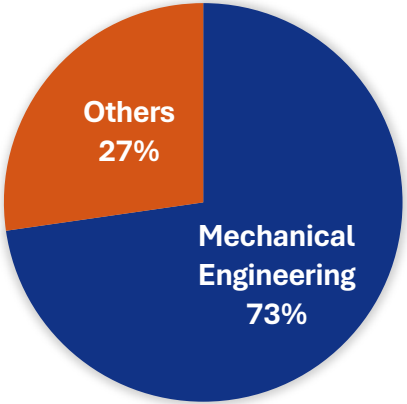


82 Respondents | 5 Continents

Represented Professional Organizations

NFPA
MPIF
NAFI
IEEE
SWE
SAMPE
ESD
AIChE
ASTM
ASM
AIAA
SPE
AGA
SAE
ASGE
FIA
ASME
NigerianSocietyofEngineers

Engineering Specialization



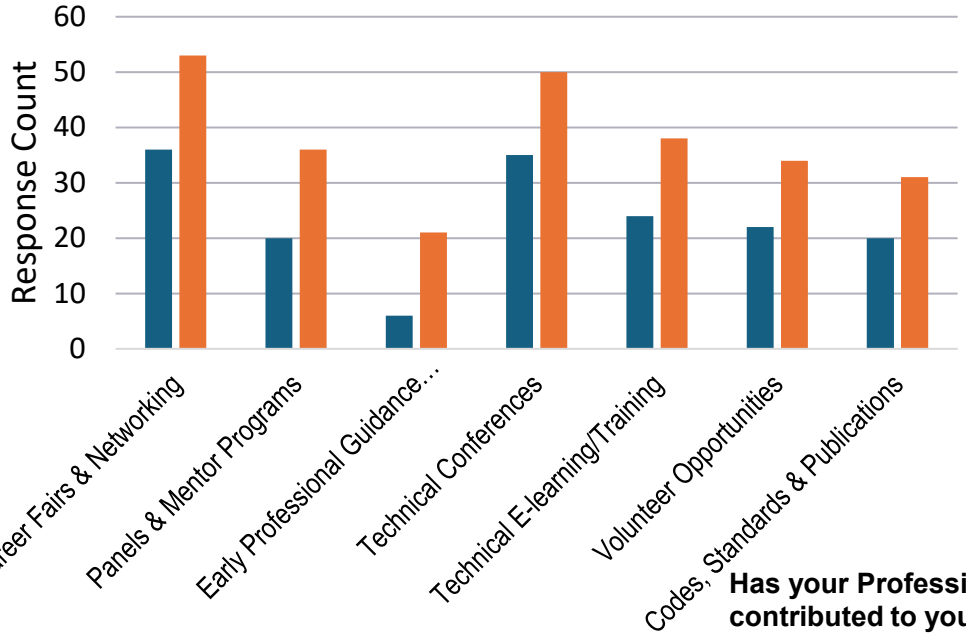
Experience Level

Undergraduate Students	35%
Early-Career (3-10 year of experience)	30%
Experienced (+10 years of experience)	27%

Survey Results

Survey Questions

- Which opportunities provided by professional organizations have been the most impactful for career development?
- Which opportunities should professional organizations focus on to promote membership participation and retention?



ASME Offerings

Career Fairs & Networking

- All identified leading sections are involved in this, providing platforms for early career professionals

Technical Conferences

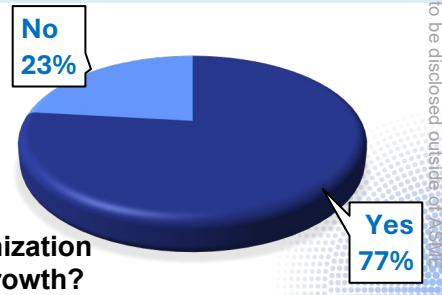
- ASME has 37 technical divisions, hosts/co-hosts >25 conferences, and publishes >30 newsletters and technical journals.

Volunteer Opportunities

- Opportunities to volunteer via the Community Engagement Center (CEC)

Codes & Standards

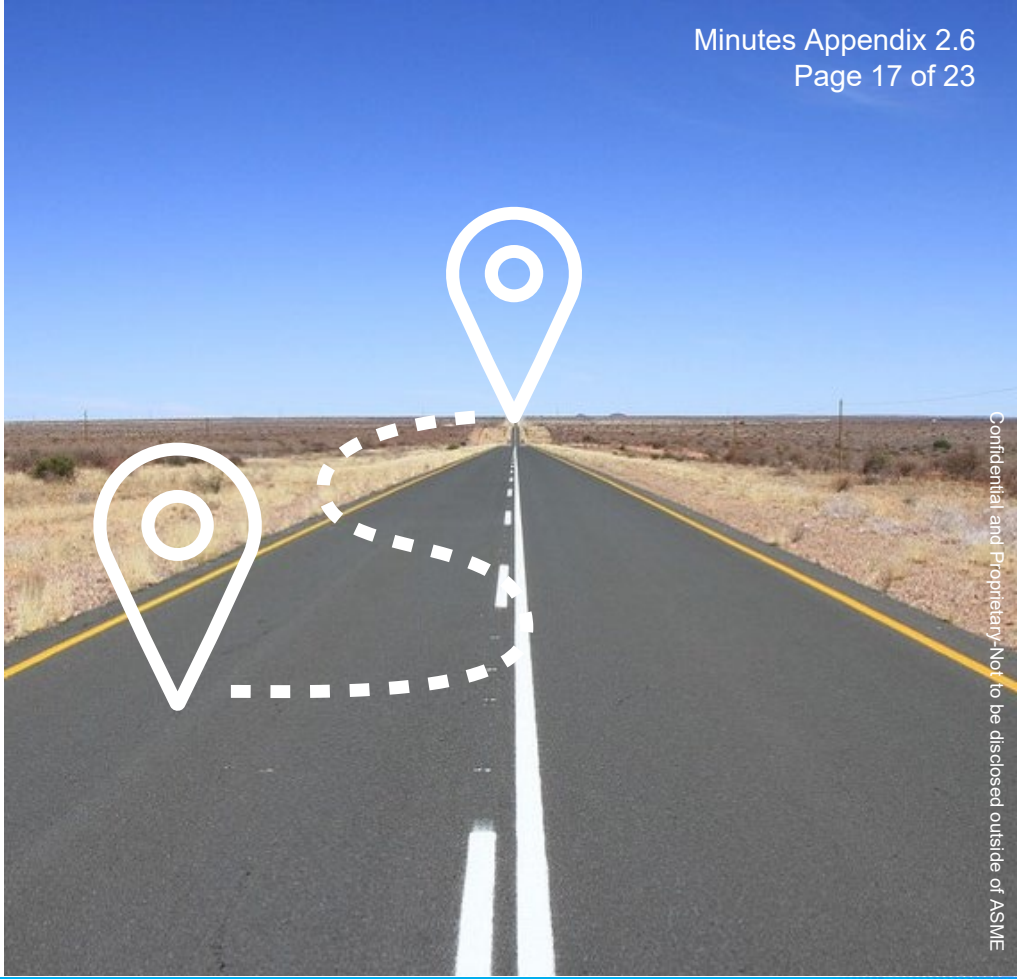
- ASME has >600 codes and standards, recognized >100 countries.



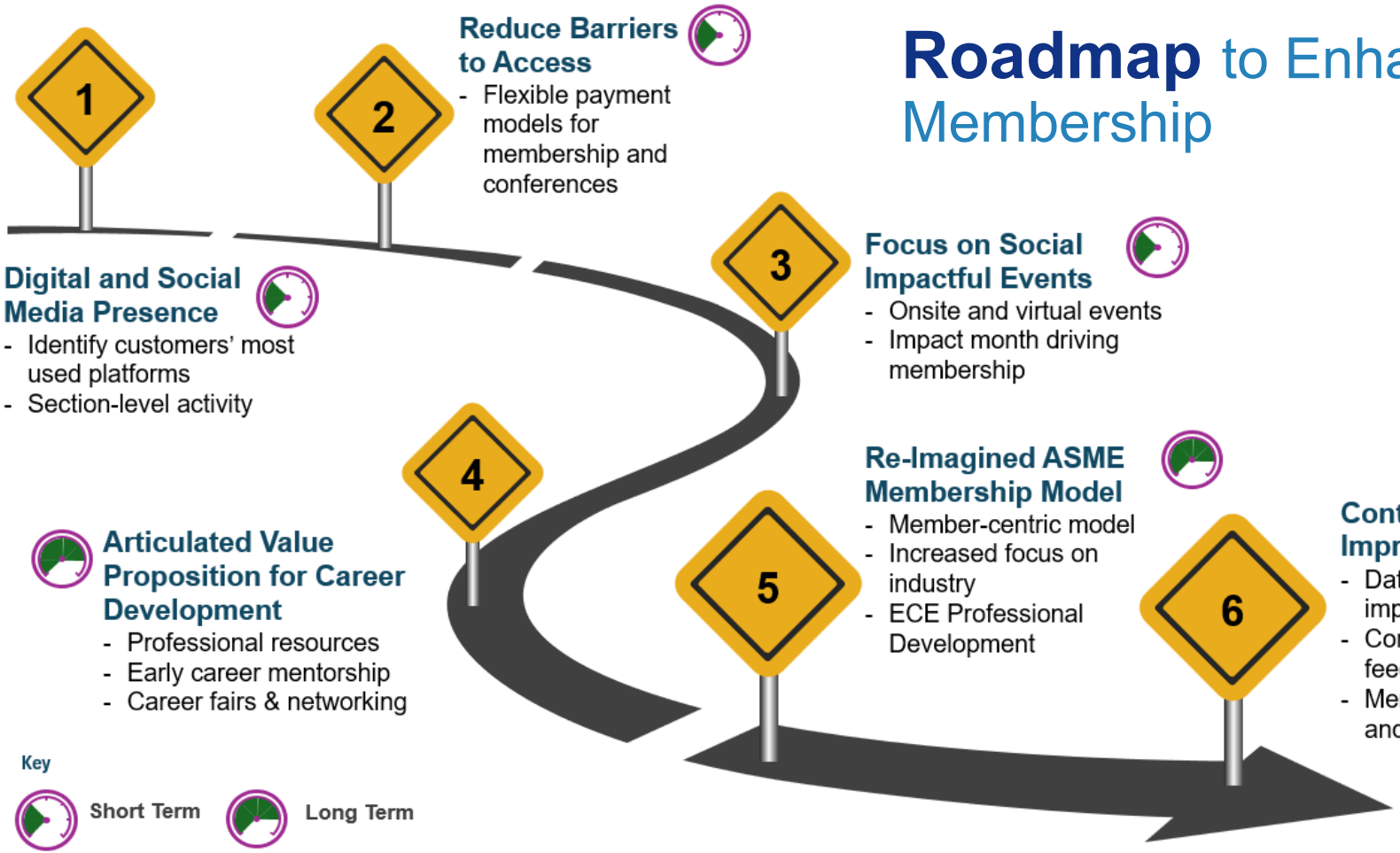
Has your Professional Organization contributed to your career growth?

Opportunities to Promote Member Engagement

Membership Enhancement **Roadmap**



Roadmap to Enhance Membership



Membership Model Details

Strengthen Industry Involvement

- Academic-dominated attendance
- Academic-oriented topics
- Lack of industry-specific panels
- Limited professional networking

Technical Event Sponsorship	• Strategic sponsorship of conferences to increase industry presence
Regional Technical Forums	• Engagement with local conferences to create more accessible platforms for industry participation
Public Sector Engagement	• Roadshows featuring projects with public sector collaboration to diversify perspective beyond academia

Membership Model Details

Enhance Professional Development for ECEs

- Limited professional development
- Limited networking events for industry professionals
- Limited career growth tools
- ECEs lack clear engagement pathways

ASME Industry Fellow Concept

- "Micro-residencies" with multiple partner companies.
- Cross-industry technical projects solving real challenges

Digital Tools for Skill Acceleration

- Personalized assessment engine identifying skill gaps
- AI-powered mentor matching system

Industry-Academia Connetor

- Research translation workshops pairing academics with industry
- Joint publication for co-authored papers

Final Thoughts

- Members bring immense value to professional organizations
- Membership growth among professionals has become a challenge for professional organizations
- ASME offers several resources of interest to engineers
- Strategic marketing to bridge the generational shift can increase awareness of existing resources
- ASME has strong Technical Divisions with more room to cater to professionals
- Creating more opportunities and awareness for non-academic professionals would provide more incentive for financial investment in ASME
- Partnership with international regulatory bodies could enhance ASME membership

Abdulrahman Samy
Volunteer Orientation and Leadership Training (VOLT)

Radhika Dharmadhikari
Board of Governors

Paul Adedeji
Section Engagement Sector

Marko Mendoza
Standards & Certification

Enakshi Wikramanayake
Student and Early Career Development

THANK YOU