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**REVISED DRAFT AGENDA – OPEN SESSION  
FY23 BOARD OF GOVERNORS MEETING**

**The Chase Park Plaza Royal Sonesta, St. Louis, MO  
Khorassan West, First Floor  
Sunday, June 4, 2023 - 9:00 am to 12:00 pm (CDT)**

**1. Opening of the Meeting (Start Time 9:00 am)**

- 1.1. Call to Order  
Karen Ohland
- 1.2. Adoption of the Agenda ACTION
- 1.3. President's Remarks (10 minutes) INFORMATION  
Karen Ohland
- 1.4. Executive Director/CEO's Remarks (10 minutes) INFORMATION  
Tom Costabile
- 1.5. Consent Items for Action ACTION

Identification of items to be removed from Consent Agenda

Consent Items for Action are items the Board is asked to take action on as a group. Governors are encouraged to contact ASME Headquarters with their questions prior to the meeting as it is not expected that consent items be removed from the agenda.

- 1.5.1. Approval of Minutes of April 19, 2023
- 1.5.2. Proposed By-law changes to B5.4, second reading
- 1.5.3. Proposed Appointments
- 1.5.4. Donation to ASME Foundation Campaign for Next Generation Engineers
- 1.5.5. Selection of Senior Vice Presidents – Proposed Changes to B5.3, B5.4, B5.6 and B5.7, second reading
- 1.5.6. History and Heritage Committee, Old Guard Committee and Scholarship Committee – Proposed Changes to B5.2 and B5.6, second reading
- 1.5.7. Establishment of the Committee on Sustainability, Proposed Changes to B5.2 second reading

**2. Open Session Agenda Items**

- 2.1. YTD Financial Report (15 minutes) INFORMATION  
Bill Garofalo
- 2.2. Committee on Sustainability (10 minutes) INFORMATION  
Anand Sethupathy and Iana Aranda

- 2.3. Membership and Engagement (15 minutes) INFORMATION  
Susan Ipri Brown, Andy Bicos and Wolf Yeigh
- 2.4. DEI Strategy Committee Liaison Report (10 minutes) INFORMATION  
Susan Ipri Brown

**BREAK** (10 minutes)

- 2.5. ASME Foundation Campaign (15 minutes) INFORMATION  
Keith Roe and Stephanie Viola
- 2.6. Comments from Outgoing Board Members, Senior Vice Presidents and ECLIPSE Intern (30 minutes) INFORMATION  
Andy Bicos, Rick Marboe, Paul Stevenson, Tom Pastor, Mike Roy and Hind Hajjar
- 2.7. Reflections on the Past Year (10 minutes) INFORMATION  
Karen Ohland
- 2.8. ECLIPSE Intern Project Presentation (30 minutes) INFORMATION  
Class of FY23 Interns

**3. New Business**

**4. Open Session Information Items**

- 4.1. Approved Society Awards Listing
- 4.2. CY 2022 Fellows Listing
- 4.3. Unit/Committee Report(s)
  - 4.3.1. Auxiliary
  - 4.3.2. Committee on Honors (COH)
  - 4.3.3. Committee on Organization and Rules (COR)
  - 4.3.4. Committee of Past Presidents (CPP)
  - 4.3.5. Diversity, Equity, and Inclusion Strategy Committee (DEISC)
  - 4.3.6. History & Heritage Committee (H&H)
  - 4.3.7. Industry Advisory Board (IAB)
  - 4.3.8. Member Development and Engagement Sector (MDE)
  - 4.3.9. Philanthropy Committee
  - 4.3.10. Public Affairs and Outreach Sector (PA&O)
  - 4.3.11. Scholarship Committee
  - 4.3.12. Standards and Engineering Services (SES) – Engineering Operations
  - 4.3.13. Standards and Engineering Services (SES) – Standards Operations
  - 4.3.14. Student and Early Career Development Sector (SECD)
  - 4.3.15. Technical and Engineering Communities (TEC)
  - 4.3.16. VOLT Academy

4.4. Dates of Future Meetings

<b>DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>LOCATION</b>
June 6, 2023*	Tuesday	8:30 am – 3:00 pm	St. Louis, MO
June 2023	TBD	TBD	Virtual Meeting
July 9-11 2023*	Sunday-Wednesday	TBD	San Diego, CA
October 5, 2023*	Thursday	TBD	Virtual Meeting
October 29, 2023*	Sunday	8:30 am – 3:00 pm	New Orleans, LA

\*FY24 Board of Governors

**5. Adjournment – Open Session**

**Lunch (12:00 PM – 1:30 PM) – Regency, First Floor**

**List of Appendices**

- 1.5.2 Proposed By-law changes to B5.4
- 1.5.3 Proposed Appointments
- 1.5.5 Selection of Senior Vice Presidents – Proposed Changes to B5.3, B5.4, B5.6 and B5.7, second reading
- 1.5.6 History and Heritage Committee, Old Guard Committee and Scholarship Committee – Proposed Changes to B5.2 and B5.6, second reading
- 1.5.7 Establishment of the Committee on Sustainability, Proposed Changes to B5.2 second reading
- 2.2 Committee on Sustainability
- 2.3 Membership and Engagement
- 2.4 DEI Strategy Committee Liaison Report
- 2.5 ASME Foundation Campaign
- 2.8 ECLIPSE Intern Project Presentation
- 4.1 Approved Society Awards Listing
- 4.2 CY 2022 Fellows Listing
- 4.3.1. Auxiliary
- 4.3.2. Committee on Honors (COH)
- 4.3.3. Committee on Organization and Rules (COR)
- 4.3.4. Committee of Past Presidents (CPP)
- 4.3.5. Diversity, Equity, and Inclusion Strategy Committee (DEISC)
- 4.3.6. History & Heritage Committee (H&H)
- 4.3.7. Industry Advisory Board (IAB)
- 4.3.8. Member Development and Engagement Sector (MDE)
- 4.3.9. Philanthropy Committee
- 4.3.10. Public Affairs and Outreach Sector (PA&O)
- 4.3.11. Scholarship Committee
- 4.3.12. Standards and Engineering Services (SES) – Engineering Operations
- 4.3.13. Standards and Engineering Services (SES) – Standards Operations
- 4.3.14. Student and Early Career Development Sector (SECD)
- 4.3.15. Technical and Engineering Communities (TEC)
- 4.3.16. VOLT Academy

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

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**Date Submitted: May 10, 2023**  
**BOG Meeting Date: June 4, 2023**

**To: Board of Governors**  
**From: Committee on Organization and Rules**  
**Presented by: Emily Boyd**  
**Agenda Title: Proposed Changes to By-Law B5.4**

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**Agenda Item Executive Summary:**

The proposed changes to B5.4 reflect the merger of two advisory bodies: the Energy and Environmental Standards Advisory Board (EESAB) and the Board on Strategic Initiatives (BSI). The merged group will be the Technical and Strategic Advisory Board (TSAB).

**Proposed motion for BOG Action:**

To adopt changes to By-Law B5.4.

**Attachments:** Document attached.

### B5.4 STANDARDS AND CERTIFICATION SECTOR

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

B5.4.1.2 The Standards and Certification Sector shall be led by a Council on Standards and Certification (CSC) that consists of the following voting membership: a Senior Vice President as Chair; ~~a~~ Vice Chair; no more than twelve members-at-large; the Chairs for the following Boards: Standardization and Testing, Nuclear Codes and Standards, Pressure Technology Codes and Standards, Safety Codes and Standards, Conformity Assessment, ~~Hearings and Appeals~~ and the ~~Technical and Strategic~~ Advisory Board. The nonvoting membership of the Council shall include ASME staff as appointed by the Executive Director/CEO.

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

B5.4.1.4 The twelve members-at-large and the CSC Vice Chair, shall be appointed by the Board of Governors, as recommended by the Council on Standards and Certification. The term of each member-at-large and CSC Vice Chair, shall be three years, with the terms of one-third of the members-at-large ending at the close of the second Business Meeting of the fiscal year.

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B5.4.2.1 The following Boards will report directly to the Council on Standards and Certification: Board on Standardization and Testing, Board on Nuclear Codes and Standards, Board on Pressure Technology Codes and Standards, Board on Safety Codes and Standards, Board on Conformity Assessment, ~~Technical and Strategic~~ Advisory Board, Board on ~~Council Operations~~, and the Board on Hearings and Appeals.

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B5.4.2.2 The Boards on Standardization and Testing; Nuclear Codes and Standards; Pressure Technology Codes and Standards; Safety Codes and Standards; and Conformity Assessment shall supervise the development of codes and standards within their respective charters, including the development of conformity assessment criteria for applicable codes and standards. The Board on Conformity Assessment shall also supervise the administration of conformity assessment programs. The ~~Technical and Strategic~~ Advisory Board, ~~under the direction of the Council on Standards and Certification, will consider and evaluate products and services and make recommendations to the relevant Boards and business units~~

Deleted: Energy and Environmental Standards

while collaborating with the Strategy Office. The Board on Council Operations shall approve on behalf of the Council, matters of procedures and personnel, and shall advise the Council on operational matters, including honors, information services, legal considerations, continuous improvement, and planning. The Board on Hearings and Appeals shall be a forum for appeals resulting from grievances related to procedural due process in codes, standards, accreditation, registration, and certification activities.

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**Deleted:** The Board on Strategic Initiatives shall advise the Council on trends, implications, strategic issues and planning.

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

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**Deleted:** The Energy and Environmental Standards Advisory Board shall consist of a Chair, a Vice Chair, and a membership, as determined by the Council on Standards and Certification.

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**Deleted:** The Board on Strategic Initiatives shall consist of the Vice Chair, Strategic Initiatives of the Council on Standards and Certification as Chair, a Vice Chair, and a membership, as determined by the Council on Standards and Certification.

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

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**Date Submitted: May 17, 2023**  
**BOG Meeting Date: June 4, 2023**

**To: Board of Governors**  
**From: Committee on Organization and Rules**  
**Presented by: Emily Boyd**  
**Agenda Title: Proposed Appointments**

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**Agenda Item Executive Summary:**

Proposed appointments reviewed by the COR on May 10, 2023.

**Proposed motion for BOG Action:**

To approve the attached appointments.

**Attachments:** Document attached.

**JUNE 2023 PROPOSED APPOINTMENTS TO ASME UNITS**

<b>Internal Unit</b>	<b>Nominee</b>	<b>Appointment Position/Title</b>	<b>Appointment Term/Category</b>	<b>Appointment Type</b>	<b>History</b>
Committee on Honors	Victoria Rockwell	Member-at-Large	July 2023 – June 2026	Initial	Past President, Gleason and Roe Award Committees
Committee on Honors	Lori Setton	Member-at-Large	July 2023 – June 2026	Initial	Lissner and Mow Medal Committees
Diversity, Equity and Inclusion Strategy Committee	Alma Martinez-Fallon	Member-at-Large	July 2023 – June 2027	Initial	Past Governor, VOLT Executive Committee
Diversity, Equity and Inclusion Strategy Committee	Jennifer Atchison	Member-at-Large	July 2023 – June 2026	Initial	Past Chair, Philadelphia Section, Student Section Advisor, Drexel University
VOLT Executive Committee	Richard Marboe	Member-at-Large	July 2023 – June 2026	Initial	Current Governor, Senior Vice President TEC
VOLT Executive Committee	Simon Pun	Member-at-Large	July 2023 – June 2026	Initial	Past Chair, Orange County Section. ECLIPSE Intern
VOLT Executive Committee	Khosro Shirvani	Member-at-Large	July 2023 – June 2026	Initial	Early Career Engineers Programming Committee, ECLIPSE Intern

Richard Marboe has already been approved to serve on the Committee on Organization and Rules for 2023-26. In order to satisfy Section III.B.1.d of Society Policy P-4.4, there is no conflict of interest with his serving on the VOLT Executive Committee and COR.



## Board of Governors Meeting Agenda Item Cover Memo

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Date Submitted:	May 9, 2023
BOG Meeting Date:	June 4, 2023
To:	Board of Governors
From:	ASME Philanthropy Committee
Presented by:	Stephanie Viola, Managing Director of ASME Philanthropy & Executive Director of ASME Foundation
Agenda Title:	Donation to ASME Foundation Campaign for Next Generation Engineers

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

On October 14, 2021, the ASME Board of Governors resolved that a grant in the amount of five million dollars (\$5,000,000.00) shall be awarded to the ASME Foundation in support of the Campaign for Next Generation Engineers. A donation of \$1,000,000 of the \$5,000,000 commitment is requested to be executed in June 2023.

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

Whereas the Board of Governors in support of its five-million-dollar (\$5,000,000.00) commitment to the ASME Foundation Campaign for Next Generation Engineers, approves the donation of one million dollar (\$1,000,000.00) to the ASME Foundation Campaign for Next Generation Engineers in June 2023.

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

None

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

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**Date Submitted: May 10, 2023**  
**BOG Meeting Date: June 4, 2023**

**To: Board of Governors**  
**From: Committee on Organization and Rules**  
**Presented by: Emily Boyd**  
**Agenda Title: Selection of Senior Vice Presidents**

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**Agenda Item Executive Summary:**

The proposed changes to B5.3, B5.4, B5.5, B5.6, and B5.7 bring uniformity to how Senior Vice Presidents are selected.

**Proposed motion for BOG Action:**

To adopt changes to By-Laws B5.3, B5.4, B5.5, B5.6 and B5.7.

**Attachments:** Document attached.

By-Laws Related to the Selection of Senior Vice Presidents

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.

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B5.4.1.3 The incoming Senior Vice President of Standards and Certification shall be nominated by the Standards and Certification Sector Council for appointment by the Board of Governors for a term of three years.

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B5.5.1.3 The incoming Senior Vice President of the Technical and Engineering Communities Sector shall be nominated by the Technical and Engineering Communities Sector Council for appointment by the Board of Governors to a term of three years.

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B5.6.1.3 The incoming Senior Vice President, Member Development and Engagement shall be nominated by the Member Development and Engagement Sector Council for appointment by the Board of Governors for a term of three years.

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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.

**Deleted:** In the event that a past or present Board ¶ Chair or member-at-large is not available from the Council on Standards and ¶

Certification, then the Council shall defer to the Board of Governors for the Senior ¶ Vice President selection. Board Chairs who have been elected to a term that ¶ extends more than one year into a new term of the Senior Vice President of ¶ Standards and Certification are not eligible to become the Senior Vice President.

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**Deleted:** In the event that a past TEC Sector ¶ Council member is not available, then the Sector Council will make a ¶ recommendation for a qualified candidate to the Board of Governors for ¶ consideration.

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**Deleted:** In the event that a past or present volunteer member is not available ¶ from the Member Development and Engagement Council, then the Council shall defer ¶ to the Board of Governors for the selection.

**Deleted:** from among its ¶ past or present volunteer members

**Deleted:** In the event that a past or present volunteer member is not available ¶ from the Student and Early Career Development Council, then the Council shall defer ¶ to the Board of Governors for the selection. Chairs who have been elected to a term ¶



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

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**Date Submitted: May 10, 2023**  
**BOG Meeting Date: June 4, 2023**

**To: Board of Governors**  
**From: Committee on Organization and Rules**  
**Presented by: Emily Boyd**  
**Agenda Title: History and Heritage Committee, Old Guard Committee and  
Scholarship Committee**

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**Agenda Item Executive Summary:**

The proposed changes to B5.2 and B5.6 have the History and Heritage Committee reporting directly to the Board of Governors, the Old Guard reporting to the Executive Committee rather than the MDE Sector, and to define the Scholarship Committee.

**Proposed motion for BOG Action:**

To adopt changes to By-Law B5.2 and By-Law B5.6.

**Attachments:** Document attached.

## B5.2 SECTORS AND COMMITTEES REPORTING TO THE BOARD OF GOVERNORS

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

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

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

B5.2.2 The following Standing Committees shall report to the Board of Governors and shall be appointed by the Board as determined in the By-Laws: Executive Committee, Committee on Organization and Rules, Committee on Finance, Audit Committee, Committee on Executive Director/CEO Evaluation and Staff Compensation, Committee on Honors, Committee of Past Presidents, Philanthropy Committee, Diversity, Equity and Inclusion Strategy Committee, Industry Advisory Board, Volunteer Orientation and Leadership Training Academy, and the History and Heritage Committee. Each Standing Committee shall maintain its own operation guide as prescribed by Society Policy. If a Standing Committee includes individuals who are not Governors, it is not a committee of the Board and may not bind the Board.

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B5.2.3.1 The Executive Committee shall act on behalf of the Board of Governors between Board of Governors meetings, its authority limited to those matters specifically provided for in these By-Laws and specifically delegated to it, consistent with applicable law, by the Board of Governors from time to time. All such actions shall be ratified by the Board of Governors at its next scheduled meeting. The Executive Committee shall have responsibility to accept grants, gifts or bequests in accordance with By-Law B4.4.4. The Executive Committee shall meet from time to time as deemed necessary by the Committee. The Executive Committee shall have responsibility for overseeing, the Scholarship Committee, and the Old Guard Committee.

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B5.2.3.2 The President will serve as Chair of the Executive Committee. One Elected Governor from each class, who is selected by closed written ballot by the Board of Governors at the Board's first meeting of the fiscal year, shall constitute the remaining voting members of the Executive Committee. If a round of closed written balloting shall fail to produce a majority vote of those present and constituting a quorum in support of a Governor, the lowest vote-getter shall be removed from the ballot for one or more subsequent rounds of closed written balloting until a single candidate shall receive a majority vote of those present and constituting a quorum. If a round of closed written balloting shall produce a tie, the tie shall be broken by a drawing of straws by the tied candidates, and the

candidate who draws the shorter or shortest straw shall be removed from the ballot for one or more subsequent rounds of closed written balloting until a single candidate shall receive a majority vote of those present and constituting a quorum. The Executive Director/CEO is a non-voting member of the Executive Committee.

B5.2.3.3 The Scholarship Committee, under the direction of the Executive Committee, shall have responsibility for selecting recipients of ASME scholarships, approving the establishment of new scholarships, and other activities related to ASME scholarships.

The Scholarship Committee shall consist of a Chair, a Vice Chair and a membership as determined by the Executive Committee.

B5.2.3.4 The Old Guard Committee, under the direction of the Executive Committee, shall have responsibility for administration of its competitions and awards.

The Old Guard Committee shall consist of a Chair, a Vice Chair and a membership as determined by the Executive Committee.

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B5.2.4.1 The Committee on Organization and Rules, under the direction of the Board of Governors, shall have responsibility for ensuring that the Society is organized and supplied with qualified leadership to serve the current and anticipated future needs of the membership, and shall reexamine regularly the Constitution, By-Laws and Policies of the Society.

B5.2.4.2 The Committee on Organization and Rules shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.

B5.2.5.1 The Committee on Finance, under the direction of the Board of Governors, shall have responsibility for supervising the financial affairs of the Society and supporting the Board and its committees by conducting an annual review of the Society's budgets.

B5.2.5.2 The Committee on Finance shall consist of four members-at-large (serving staggered terms on the Committee), the Treasurer, the Chief Financial Officer and the Assistant Treasurer, if any. At least one but not more than two at-large members shall have previously served on the Board of Governors. At the first meeting of the fiscal year, the Committee shall select its Chair from among its members-at-large.

The Treasurer shall be an ex officio member of the Committee with vote and shall serve as Vice Chair. The Chief Financial Officer and the Assistant Treasurer, if any, shall be ex officio members of the Committee without vote. The Committee shall nominate candidates for the member-at-large positions for appointment by the Board of Governors. The term of the members-at-large shall be three years. A member-at-large can serve no more than two consecutive terms (or a total of six years) without a break of at least two years. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.

B5.2.6.1 The Committee on Executive Director/CEO Evaluation and Staff Compensation, under the direction of the Board of Governors, shall have responsibility for making recommendations to the Board regarding the Executive Director/CEO's performance planning and evaluation and for making recommendations to the Board regarding the Executive Director/CEO's compensation, including salary and bonus recommendations.

The Committee shall also have the responsibility to advise the Board of Governors on activities of the Society's staff regarding: staff compensation, including bonus programs; and staff and

retiree benefit programs. The Committee will also be responsible for staff related Society Policies P-7.1, (Recognition of Staff Members - 5 Years or More of Service) and P-7.2, (Staff Employment Guidelines).

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

B5.2.6.2 The Committee on Executive Director/CEO Evaluation and Staff Compensation shall consist of the President, and three current Elected Governors (serving staggered terms on the Board). The President shall nominate an incoming first year Elected Governor for appointment by the Board. The President shall serve as an ex officio member of the Committee with vote. The Chair shall be the senior Governor and the Vice Chair shall be the second-most senior Governor. The Elected Governors shall serve a three year term unless their term on the Board of Governors expires earlier than three years.

B5.2.6.3 The Retirement Plan Committee, under the direction of the Committee on Executive Director/CEO Evaluation and Staff Compensation, shall have responsibility, as specified in the ASME Thrift Plan, the ASME Defined Contribution (DC) Plan, the ASME 457(b) Plan, and the ASME 401(k) Plan documents, including to act as Plan Administrator and Named Fiduciary for such plans and assume such responsibilities as developing investment policy statements, selecting and monitoring investment choices, benchmarking Plan administration expenses and investment plan administrators performance and selecting, appointing and retaining plan investment, governance and plan administration compliance advisors, as well as having the power to make ministerial and technically required plan amendments.

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

The ASME Staff members of the Committee may be members with vote for as long as they hold the positions described in this By-Law B5.2.6.3.

B5.2.7.1 The Committee on Honors, under the direction of the Board of Governors, shall have responsibility for recommending properly selected candidates for honors, medals, Honorary Members, and awards, and as required shall recommend recipients of joint awards, all subject to approval by the Board of Governors. However, the Board may delegate to the Committee on Honors the power to approve candidates for any honor, medal or award other than Honorary Member or ASME Medalist.

B5.2.7.2 The Committee on Honors shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The Chair of the General Awards Committee shall be an ex officio member with vote. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.

B5.2.7.3 The General Awards Committee, under the direction of the Committee on Honors, shall seek candidates for all honors and awards except Honorary Members, the ASME Medal, and group-level awards, and shall screen nominations and make recommendations to the Committee on Honors.

The General Awards Committee shall consist of a Chair, a Vice Chair and a membership as determined by the Committee on Honors.

B5.2.7.4 Other Society award committees, including special award committees, shall in accordance

with the policies and procedures administered by the Committee on Honors, seek nominees for honors in their several areas of interest, shall screen nominations, and make recommendations to the Committee on Honors.

B5.2.8.1 The Committee of Past Presidents, under the direction of the Board of Governors, shall have responsibility for electing Fellows, overseeing the ethical practice of engineering, and providing guidance on matters where its experience may be useful, upon request by the President, Board of Governors, and other units of the Society.

B5.2.8.2 The Committee of Past Presidents shall select its own Chair and Vice Chair. Its membership shall consist of all living Past Presidents, unless the Board of Governors, Executive Committee or Ethics Committee makes a finding that results in the censure, expulsion, suspension or other disciplinary action of a Past President involving the following conduct:

(a) violation or attempted violation of the Society Policies with respect to Ethics, Code of Conduct or Discrimination and Discriminatory Harassment, knowingly assisting or inducing another to violate or attempt to violate the Society Policies with respect to Ethics, Code of Conduct, or Discrimination and Discriminatory Harassment, or doing so through the acts of another;

(b) illegal conduct that adversely reflects on the Past President's honesty, trustworthiness or fitness to serve ASME in a position of trust;

(c) conduct involving breach of fiduciary duty, dishonesty, fraud, deceit or misrepresentation; or

(d) other conduct that is or reasonably could be harmful to the reputation and administration of the Society.

Disciplinary action for conduct described in B5.2.8.2 (a) through (d) shall render a Past President ineligible for membership on the Committee of Past Presidents and shall result in the expulsion from the Committee of any current member of the Committee of Past Presidents.

B5.2.9.1 The Audit Committee, under the direction of the Board of Governors, shall have responsibility for overseeing the accounting and financial reporting process of the Society and the audit of its financial statements and report its activities to the Board. The Committee will be responsible for overseeing the adoption and implementation of, and compliance with, the Society Policies on whistleblowers and conflicts of interest. The Committee will annually consider the performance and independence of the independent auditor and recommend retaining or renewing the retention of the independent auditor to the Board. The Committee will liaise with the independent auditor prior to the commencement of the audit and upon completion of the audit, review and discuss the audit results and any related management letter with the auditor, including:

(a) any material risks and weaknesses in internal controls identified by the auditor;

(b) any restrictions on the scope of the auditor's activities or access to requested information;

(c) any significant disagreements between the auditor and management; and

(d) the adequacy of the Corporation's accounting and financial reporting processes.

B5.2.9.2 The Audit Committee shall consist of three current Elected Governors- (serving staggered terms on the Board) who serve as voting members. The Committee membership is determined by the Board of Governors and consists solely of "independent" members of the

Board as defined under Section 102(a) (21) of the New York Not-for-Profit Corporation Law. The Chair shall be the senior Governor and the Vice Chair shall be the second-most senior Governor.

The Treasurer shall be an ex officio member of the Committee without vote. The Chief Financial Officer and the Assistant Treasurer shall be ex officio members of the Committee without vote. The President shall nominate an incoming first-year Elected Governor for appointment by the Board. The Governors shall serve a three year term unless their term on the Board of Governors expires earlier than three years.

- B5.2.10.1 The Philanthropy Committee, under the direction of the Board of Governors, shall have responsibility for advising the Board of Governors and assisting the Society in connection with fundraising activities and philanthropic programs carried out using the Society's name or other resources.
- B5.2.10.2 The Philanthropy Committee shall select its own Chair and Vice Chair. The ASME Executive Director/CEO, the ASME Managing Director of Philanthropy and the ASME Managing Director of Programs shall be ex officio members of the Committee without vote. Other members shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.
- B5.2.11.1 The Diversity, Equity and Inclusion Strategy Committee, under the direction of the Board of Governors, shall have responsibility for providing insight and advice into promoting diversity, equity and inclusion within ASME and mechanical engineering.
- B5.2.11.2 The Diversity, Equity and Inclusion Strategy Committee shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.
- B5.2.12.1 The Industry Advisory Board, under the direction of the Board of Governors, shall have responsibility for providing a voice for industry within ASME through the communication of the needs of engineers that are engaged in industry.
- B5.2.12.2 The Industry Advisory Board shall select its own Chair and Vice Chair. Its membership shall be determined annually by the Board of Governors. The President may select a Governor to serve as Liaison to the Board during their Presidential term.
- B5.2.13.1 The Volunteer Orientation and Leadership Training Academy, under the direction of the Board of Governors, shall have responsibility for developing ASME's volunteer leadership. VOLT's programmatic offerings extend to volunteers serving throughout the Society at all levels.
- B5.2.13.2 The Volunteer Orientation and Leadership Training Academy shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Academy during their Presidential term.

B5.2.14.1 The History and Heritage Committee, under the direction of the Board of Governors, shall have responsibility for the Historic Mechanical Engineering Landmark Program, maintaining records of notable mechanical engineering achievements and personalities, and other history and heritage activities within ASME and mechanical engineering.

B5.2.14.2 The History and Heritage Committee shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.

#### **B5.6 MEMBER DEVELOPMENT AND ENGAGEMENT SECTOR**

B5.6.1.1 The Member Development and Engagement Sector, under the direction of the Board of Governors, is responsible for providing governance for professional sections, student sections, **and** membership development. ~~The Member Development and Engagement Sector will maintain a current Sector Operation Guide that will contain operational details of the Member Development and Engagement Sector that are not in these By-Laws.~~

Deleted: , and the Old Guard Committee

B5.6.1.2 The Member Development and Engagement Sector shall be led by a Council that consists of the following voting membership: a Senior Vice President as Chair; Chair, North American Regions; Chair, International Regions; Chair, Student Sections; Communications and Tools Coordinator; Membership Development Coordinator; Finance Coordinator; and up to two members-at-large. The Director, Section Support is a non-voting member of the Council.

Deleted: Chair, Old Guard Committee;

B5.6.1.3 The incoming Senior Vice President, Member Development and Engagement shall be nominated by the Member Development and Engagement Council from among its past or present volunteer members for appointment by the Board of Governors for a term of three years. In the event that a past or present volunteer member is not available from the Member Development and Engagement Council, then the Council shall defer to the Board of Governors for the selection.

B5.6.2.1 The following Committees will report directly to the Member Development and Engagement Council: the North America Regions Committee, the International Regions Committee, and the Student Sections/Early Career Engagement Committee.

B5.6.2.2 The North American Regions Committee, under the direction of the Member Development and Engagement Council, is responsible for the activities of the North American Sections. The Committee shall consist of the Chair, North American Regions, appointed by the Senior Vice President to a term of three years and the Northeast, Southeast, Midwest, Northwest, and Southwest Region Leaders.

B5.6.2.3 The International Regions Committee, under the direction of the Member Development and Engagement Council, is responsible for the activities of the Sections outside North America. The Committee shall consist of the Chair, International Regions, appointed by the Senior Vice President to a term of three years and the Asia-Pacific; Europe; Latin America and Caribbean; and Middle East and Africa Region Leaders.

B5.6.2.4 The Student Sections/Early Career Committee, under the direction of the Member Development and Engagement Council, is responsible for coordinating the Sector's activity with the Student and Early Career Development Sector. The Committee shall consist of the Chair, Student Sections, appointed by the Senior Vice President to a term of three years, and the Student Section Advisory Committee Chair, the Student Leader Training Chair, and the Early Career Programs Chair.

B5.6.2.5 The members-at-large shall be appointed by the Board of Governors as recommended by the Member Development and Engagement Sector Council. The term of the members-at-large shall be up to three years.

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

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**Date Submitted: May 10, 2023**  
**BOG Meeting Date: June 4, 2023**

**To: Board of Governors**  
**From: Committee on Organization and Rules**  
**Presented by: Emily Boyd**  
**Agenda Title: Establishment of the Committee on Sustainability**

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**Agenda Item Executive Summary:**

The proposed change to B5.2 establishes the Committee on Sustainability.

**Proposed motion for BOG Action:**

To adopt changes to By-Law B5.2.

**Attachments:** Document attached.

## B5.2 SECTORS AND COMMITTEES REPORTING TO THE BOARD OF GOVERNORS

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

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

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

B5.2.2 The following Standing Committees shall report to the Board of Governors and shall be appointed by the Board as determined in the By-Laws: Executive Committee, Committee on Organization and Rules, Committee on Finance, Audit Committee, Committee on Executive Director/CEO Evaluation and Staff Compensation, Committee on Honors, Committee of Past Presidents, Philanthropy Committee, Diversity, Equity and Inclusion Strategy Committee, Industry Advisory Board, ~~Volunteer Orientation and Leadership Training Academy~~ ~~and Committee on Sustainability~~. Each Standing Committee shall maintain its own operation guide as prescribed by Society Policy. If a Standing Committee includes individuals who are not Governors, it is not a committee of the Board and may not bind the Board.

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B5.2.3.1 The Executive Committee shall act on behalf of the Board of Governors between Board of Governors meetings, its authority limited to those matters specifically provided for in these By-Laws and specifically delegated to it, consistent with applicable law, by the Board of Governors from time to time. All such actions shall be ratified by the Board of Governors at its next scheduled meeting. The Executive Committee shall have responsibility to accept grants, gifts or bequests in accordance with By-Law B4.4.4. The Executive Committee shall meet from time to time as deemed necessary by the Committee. The Executive Committee shall have responsibility for overseeing ASME's scholarship program and history and heritage program.

B5.2.3.2 The President will serve as Chair of the Executive Committee. One Elected Governor from each class, who is selected by closed written ballot by the Board of Governors at the Board's first meeting of the fiscal year, shall constitute the remaining voting members of the Executive Committee. If a round of closed written balloting shall fail to produce a majority vote of those present and constituting a quorum in support of a Governor, the lowest vote-getter shall be removed from the ballot for one or more subsequent rounds of closed written balloting until a single candidate shall receive a majority vote of those present and constituting a quorum. If a round of closed written balloting shall produce a tie, the tie shall be broken by a drawing of straws by the tied candidates, and the

candidate who draws the shorter or shortest straw shall be removed from the ballot for one or more subsequent rounds of closed written balloting until a single candidate shall receive a majority vote of those present and constituting a quorum. The Executive Director/CEO is a non-voting member of the Executive Committee.

- B5.2.4.1 The Committee on Organization and Rules, under the direction of the Board of Governors, shall have responsibility for ensuring that the Society is organized and supplied with qualified leadership to serve the current and anticipated future needs of the membership, and shall reexamine regularly the Constitution, By-Laws and Policies of the Society.
- B5.2.4.2 The Committee on Organization and Rules shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.
- B5.2.5.1 The Committee on Finance, under the direction of the Board of Governors, shall have responsibility for supervising the financial affairs of the Society and supporting the Board and its committees by conducting an annual review of the Society's budgets.
- B5.2.5.2 The Committee on Finance shall consist of four members-at-large (serving staggered terms on the Committee), the Treasurer, the Chief Financial Officer and the Assistant Treasurer, if any. At least one but not more than two at-large members shall have previously served on the Board of Governors. At the first meeting of the fiscal year, the Committee shall select its Chair from among its members-at-large.

The Treasurer shall be an ex officio member of the Committee with vote and shall serve as Vice Chair. The Chief Financial Officer and the Assistant Treasurer, if any, shall be ex officio members of the Committee without vote. The Committee shall nominate candidates for the member-at-large positions for appointment by the Board of Governors. The term of the members-at-large shall be three years. A member-at-large can serve no more than two consecutive terms (or a total of six years) without a break of at least two years. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.

- B5.2.6.1 The Committee on Executive Director/CEO Evaluation and Staff Compensation, under the direction of the Board of Governors, shall have responsibility for making recommendations to the Board regarding the Executive Director/CEO's performance planning and evaluation and for making recommendations to the Board regarding the Executive Director/CEO's compensation, including salary and bonus recommendations.

The Committee shall also have the responsibility to advise the Board of Governors on activities of the Society's staff regarding: staff compensation, including bonus programs; and staff and retiree benefit programs. The Committee will also be responsible for staff related Society Policies P-7.1, (Recognition of Staff Members - 5 Years or More of Service) and P-7.2, (Staff Employment Guidelines).

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

- B5.2.6.2 The Committee on Executive Director/CEO Evaluation and Staff Compensation shall consist of the President, and three current Elected Governors (serving staggered terms on the Board). The President shall nominate an incoming first year Elected Governor for appointment by the Board. The President shall serve as an ex officio member of the Committee with vote. The Chair shall be the senior Governor and the Vice Chair shall be the second-most senior Governor. The Elected Governors shall serve a three year term

unless their term on the Board of Governors expires earlier than three years.

- B5.2.6.3 The Retirement Plan Committee, under the direction of the Committee on Executive Director/CEO Evaluation and Staff Compensation, shall have responsibility, as specified in the ASME Thrift Plan, the ASME Defined Contribution (DC) Plan, the ASME 457(b) Plan, and the ASME 401(k) Plan documents, including to act as Plan Administrator and Named Fiduciary for such plans and assume such responsibilities as developing investment policy statements, selecting and monitoring investment choices, benchmarking Plan administration expenses and investment plan administrators performance and selecting, appointing and retaining plan investment, governance and plan administration compliance advisors, as well as having the power to make ministerial and technically required plan amendments.

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

The ASME Staff members of the Committee may be members with vote for as long as they hold the positions described in this By-Law B5.2.6.3.

- B5.2.7.1 The Committee on Honors, under the direction of the Board of Governors, shall have responsibility for recommending properly selected candidates for honors, medals, Honorary Members, and awards, and as required shall recommend recipients of joint awards, all subject to approval by the Board of Governors. However, the Board may delegate to the Committee on Honors the power to approve candidates for any honor, medal or award other than Honorary Member or ASME Medalist.
- B5.2.7.2 The Committee on Honors shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The Chair of the General Awards Committee shall be an ex officio member with vote. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.
- B5.2.7.3 The General Awards Committee, under the direction of the Committee on Honors, shall seek candidates for all honors and awards except Honorary Members, the ASME Medal, and group-level awards, and shall screen nominations and make recommendations to the Committee on Honors.
- The General Awards Committee shall consist of a Chair, a Vice Chair and a membership as determined by the Committee on Honors.
- B5.2.7.4 Other Society award committees, including special award committees, shall in accordance with the policies and procedures administered by the Committee on Honors, seek nominees for honors in their several areas of interest, shall screen nominations, and make recommendations to the Committee on Honors.
- B5.2.8.1 The Committee of Past Presidents, under the direction of the Board of Governors, shall have responsibility for electing Fellows, overseeing the ethical practice of engineering, and providing guidance on matters where its experience may be useful, upon request by the President, Board of Governors, and other units of the Society.
- B5.2.8.2 The Committee of Past Presidents shall select its own Chair and Vice Chair. Its membership shall consist of all living Past Presidents, unless the Board of Governors, Executive Committee or Ethics Committee makes a finding that results in the censure, expulsion, suspension or other

disciplinary action of a Past President involving the following conduct:

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

Disciplinary action for conduct described in B5.2.8.2 (a) through (d) shall render a Past President ineligible for membership on the Committee of Past Presidents and shall result in the expulsion from the Committee of any current member of the Committee of Past Presidents.

B5.2.9.1 The Audit Committee, under the direction of the Board of Governors, shall have responsibility for overseeing the accounting and financial reporting process of the Society and the audit of its financial statements and report its activities to the Board. The Committee will be responsible for overseeing the adoption and implementation of, and compliance with, the Society Policies on whistleblowers and conflicts of interest. The Committee will annually consider the performance and independence of the independent auditor and recommend retaining or renewing the retention of the independent auditor to the Board. The Committee will liaise with the independent auditor prior to the commencement of the audit and upon completion of the audit, review and discuss the audit results and any related management letter with the auditor, including:

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

B5.2.9.2 The Audit Committee shall consist of three current Elected Governors- (serving staggered terms on the Board) who serve as voting members. The Committee membership is determined by the Board of Governors and consists solely of "independent" members of the Board as defined under Section 102(a) (21) of the New York Not-for-Profit Corporation Law. The Chair shall be the senior Governor and the Vice Chair shall be the second-most senior Governor.

The Treasurer shall be an ex officio member of the Committee without vote. The Chief Financial Officer and the Assistant Treasurer shall be ex officio members of the Committee without vote. The President shall nominate an incoming first-year Elected Governor for appointment by the Board. The Governors shall serve a three year term unless their term on the Board of Governors expires earlier than three years.

B5.2.10.1 The Philanthropy Committee, under the direction of the Board of Governors, shall have responsibility for advising the Board of Governors and assisting the Society in connection with fundraising activities and philanthropic programs carried out using the Society's name or other resources.

- B5.2.10.2 The Philanthropy Committee shall select its own Chair and Vice Chair. The ASME Executive Director/CEO, the ASME Managing Director of Philanthropy and the ASME Managing Director of Programs shall be ex officio members of the Committee without vote. Other members shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.
- B5.2.11.1 The Diversity, Equity and Inclusion Strategy Committee, under the direction of the Board of Governors, shall have responsibility for providing insight and advice into promoting diversity, equity and inclusion within ASME and mechanical engineering.
- B5.2.11.2 The Diversity, Equity and Inclusion Strategy Committee shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.
- B5.2.12.1 The Industry Advisory Board, under the direction of the Board of Governors, shall have responsibility for providing a voice for industry within ASME through the communication of the needs of engineers that are engaged in industry.
- B5.2.12.2 The Industry Advisory Board shall select its own Chair and Vice Chair. Its membership shall be determined annually by the Board of Governors. The President may select a Governor to serve as Liaison to the Board during their Presidential term.
- B5.2.13.1 The Volunteer Orientation and Leadership Training Academy, under the direction of the Board of Governors, shall have responsibility for developing ASME's volunteer leadership. VOLT's programmatic offerings extend to volunteers serving throughout the Society at all levels.
- B5.2.13.2 The Volunteer Orientation and Leadership Training Academy shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Academy during their Presidential term.
- B5.2.14.1 The Committee on Sustainability, under the direction of the Board of Governors, shall have responsibility for recommending to the Board of Governors a climate and sustainability strategy for the Society.
- B5.2.14.2 The Committee on Sustainability shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.



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

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Date Submitted:	May 10, 2023
BOG Meeting Date:	June 4, 2023
To:	Board of Governors
From:	William Garofalo, Chief Financial Officer
Presented by:	William Garofalo
Agenda Title:	YTD Financial Report

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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

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Date Submitted:	May 10, 2023
BOG Meeting Date:	June 4, 2023
To:	Board of Governors
From:	Anand Sethupathy and Iana Aranda
Presented by:	Anand Sethupathy and Iana Aranda
Agenda Title:	Committee on Sustainability

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### Agenda Item Executive Summary:

A discussion item on the next steps with the formation of the Committee of Sustainability.

Proposed motion for BOG Action: **None**

Attachment(s): PowerPoint

# ASME & Climate Change: Transition Strategy & Response

CoS Overview and Status report  
June 2023

# Committee on Sustainability: Structure

Robust governance is key to establishing and guiding the climate strategy in the long term, both internally and externally. Structural elements are excerpted from proposed CoS Operations Guide.

## Mandate

Responsibility for ensuring that the Society has a **robust sustainability strategy** informed by evidence and supported by qualified leadership, **empowering, and mobilizing ASME to accelerate its response to climate change.**

## Activities

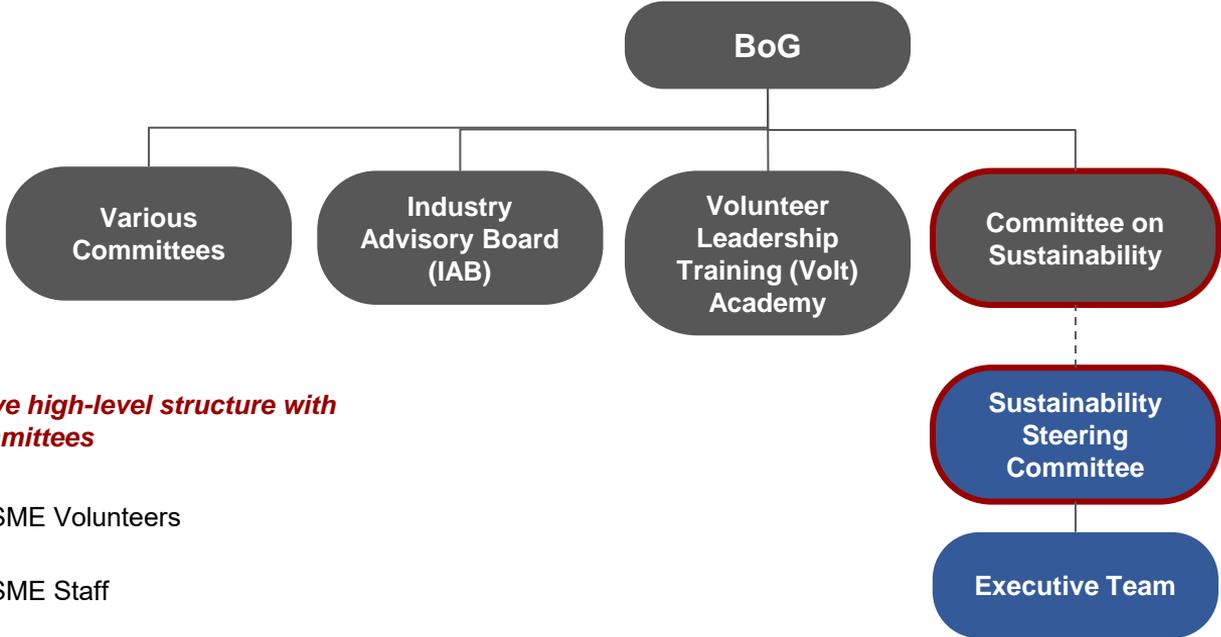
- Defining and guiding the vision and aligned implementation plan for the ASME climate and sustainability strategy;
- Developing impact reporting and pilot evaluation frameworks;
- Collaborating and empowering ASME sectors and volunteer leaders.
- Providing insights and data driven recommendations on Sustainability to the BoG.

## Membership

- Consists of not more than **11 voting members** appointed by the BOG.
- Terms of all members shall be **3 years.**
- Representation from **all ASME sectors**, selecting **members with ample sustainability knowledge and ensuring diversity across key factors** are key to ensuring that the CoS can successfully guide the ASME climate strategy.

# Committee on Sustainability: Operation

The approach is anchored in a volunteer-staff partnership and aligned enterprise goals.  
A senior staff person from the SSC will provide for COS advisory, administrative, and arrangements support.



- Focus on Climate Vision, Strategy, piloting & impact reporting
- Galvanizes ASME for all members and non-members
- *Targeted to launch FY24 pending BoG confirmation*

- Support initiatives across Workforce, Policy & Innovation / Technology
- Coordinates & collaborates with ASME volunteers & staff to execute vision
- *Established FY23 (Nov. 2022)*

**Illustrative high-level structure with new committees**

- ASME Volunteers
- ASME Staff

# CoS Members at Large: Key Considerations

Finding the right CoS members is vital to ensuring the ability of the committee to effectively steer & guide ASME's sustainability efforts.

## Important elements for selecting CoS members

### Sustainability Knowledge

- Members should know about **major sustainability trends** and their impact on the organization
- Members' sustainability knowledge should enable them to **critically assess information presented**, to “know what they don't know” and “know who to ask”

### Geographical Coverage

- Ensuring that there is **representation from various geographical locations** covered by the organization is key to ensure the applicability of the climate strategy to sustainability issues across operation locations

### Sector/Functional Representation

- It is important to have a **wide representation from various sectors & functions** within the organization, as sustainability affects all aspects of the organization
- Include ample representation from **private sector, academia, and governmental teams**

### Diversity

- Research shows that **diversity across a range of factors** such as gender and age increases sustainability performance
- Positive correlation between diversity and sustainability performance is seen in cases where there is **more than one person** from a given group

# CoS Member at Large: Nominations

Identifying individuals that pair key considerations with partnership opportunities to tie ASME's climate work into that of other organizations in the future

## Key Considerations

**Sustainability Knowledge**  
Awareness and experience

**Geographical Coverage**  
Access to different markets

**Sector/Functional Representation**  
Presence of necessary ASME focus areas

**Diversity**  
Inclusion as a strength of the group

## Possible Partner Organizations

Including individuals from partnered organizations or potential partners can **increase the relevance and reach** of the CoS, and create opportunities for future collaborations



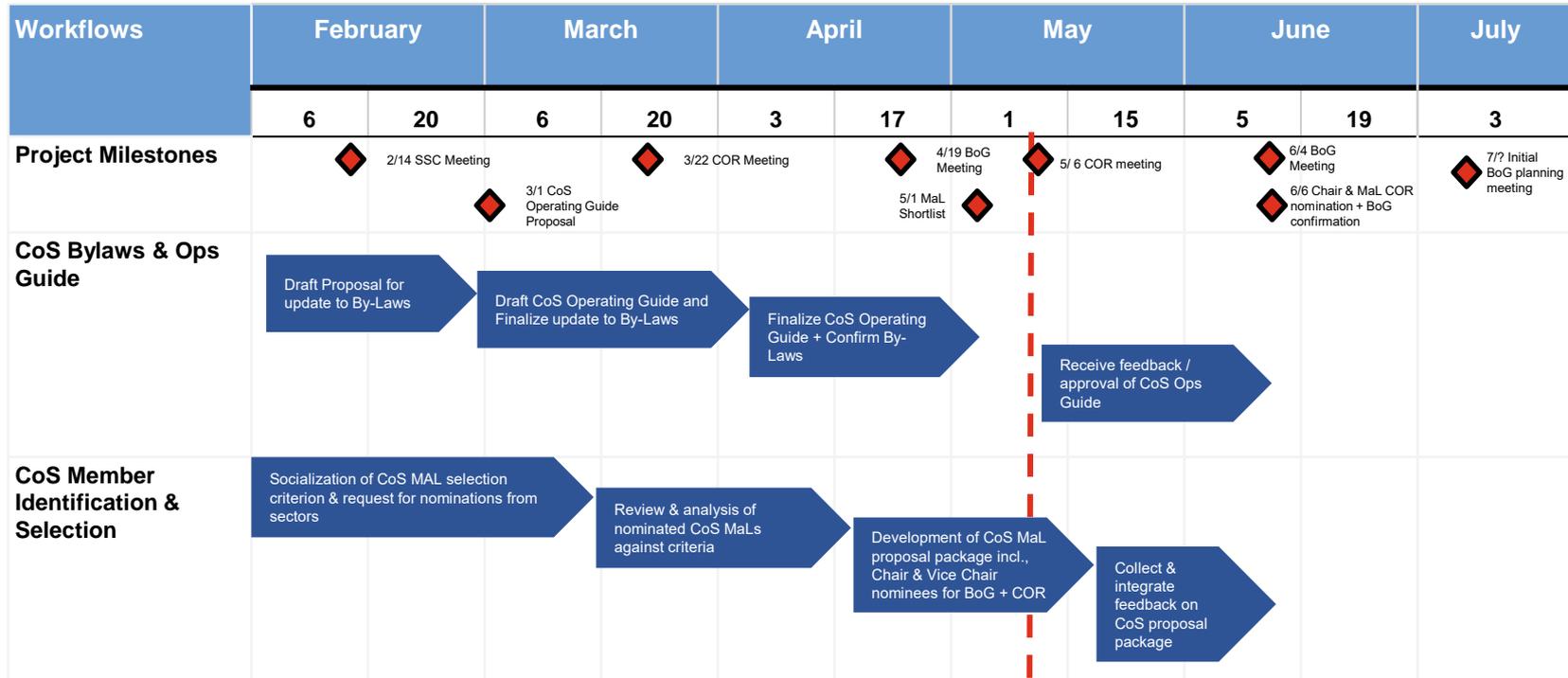
## Recommendations

**Suggestions submitted through [Google form](#).**

**~40 candidates nominated by Volunteers & Staff Representatives.**

# Committee on Sustainability: Setup Process

**Proposal for update to By-Laws, CoS Operating Guide & member selection process developed and socialized with relevant ASME stakeholders to ensure alignment and approval** \*Targets to be adjusted pending approval



# Best Practices to Inform CoS Setup

Through in-depth research within and beyond ASME, OPF and the ASME SSC identified a set of best practices around sustainability governance models that informed the proposed CoS setup to ensure its effectiveness

## Desktop Research

**~60 internal references** related to ASME & climate change

**~30 external documents and references** related to climate change position and approaches

## Stakeholder Interviews

**17 internal staff & volunteers** across all functions to understand perspectives and current initiatives

**6 leaders at 4 orgs** to understand leading organizational practices & insights





## Board of Governors Meeting Agenda Item Cover Memo

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Date Submitted:	May 10, 2023
BOG Meeting Date:	June 4, 2023
To:	Board of Governors
From:	Susan Ipri Brown, Andy Bicos and Wolf Yeigh
Presented by:	Susan Ipri Brown, Andy Bicos and Wolf Yeigh
Agenda Title:	Membership and Engagement

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### Agenda Item Executive Summary:

Governors Ipri Brown, Bicos and Yeigh will provide information on current conversations about membership and engagement.

Proposed motion for BOG Action: **None**

Attachment(s): **PowerPoint**

# Membership and Engagement Update

June 4, 2023

# Lapsed Member Survey

## Membership-focused data deep dive

- Reinforces value of multiyear process established for implementing and rigorously analyzing membership initiatives
- Positive directional change through third quarter
  - Active student membership up 22%
  - Win-backs (returning members after 1+ year lapse) increased 84%

# Directional Trends

Initial survey results point to focus on

- Improved communication regarding renewals and accessing membership benefits
- Effective on-boarding of new members
- Expectation of personalized marketing

# Volunteer Satisfaction Survey

- Stronger engagement focus – reaching members, volunteers, committee members – all key contributors to the society
- Rich insight into constituent experience
- Parallel with ECLIPSE intern volunteer pathway study



## Board of Governors Meeting Agenda Item Cover Memo

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Date Submitted:	May 16, 2023
BOG Meeting Date:	June 4, 2023
To:	Board of Governors
From:	Susan Ipri Brown, BOG Liaison to the DEI Strategy Committee
Presented by:	Susan Ipri Brown
Agenda Title:	Report of the BOG Liaison to the DEI Strategy Committee

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### Agenda Item Executive Summary:

At every Board meeting, a mini report will be provided from a committee that reports to the Board. The report is provided by the Board Liaison to that committee.

This 10-minute presentation will offer a high-level update/overview of the committee's work.

Proposed motion for BOG Action: None

Attachment(s): PowerPoint

# DEI Strategy Committee BOG Liaison Report

Susan Ipri Brown

June 4, 2023

# DEI Toolkit

ASME's DEI Toolkit is a collection of resources for volunteers, staff, members, and the public.

[About ASME](#) > [Diversity, Equity, and Inclusion](#) > DEI Toolkit

- ASME LGBTQ+ Pride Group
- DEI News & Media
- ASME's DEI Statement
- DEI Toolkit**
- Women in Standards & Certification

## ASME Diversity, Equity and Inclusion Toolkit

### A Message from the Diversity, Equity, and Inclusion Strategy Committee

ASME Colleagues,

Your efforts as volunteers are what makes the ASME community so vibrant. ASME respects and celebrates the diversity of our members, and those differences form the backbone of our organization.

ASME seeks to ensure all members feel welcomed and included in the ASME community, to include ASME members of all backgrounds in all volunteer roles, and to provide a culture of respect and courtesy. We encourage ongoing dialogue that will inspire all members to bring these values to their personal and professional interactions.

In the Diversity, Equity, and Inclusion Toolkit, we have assembled a collection of resources to enhance DEI. Along with your collaborations with professional staff at ASME, we hope the DEI Toolkit will support your amazing work!

Jennifer Cooper, P.E.  
Chair, DEI Strategy Committee



### How to Be an Ally Tip Sheet

This tip sheet will help you understand what allyship is and how you can be an ally.

[Download](#)



### Guide for Reducing Bias in Language

A resource to help ASME members communicate more effectively to a wide variety of audiences.

[Download](#)



### Social Media Guide

This guide will help you use social media to spread a message of diversity, equity, and inclusion, and interact with others talking about these topics in our field.

[Download](#)

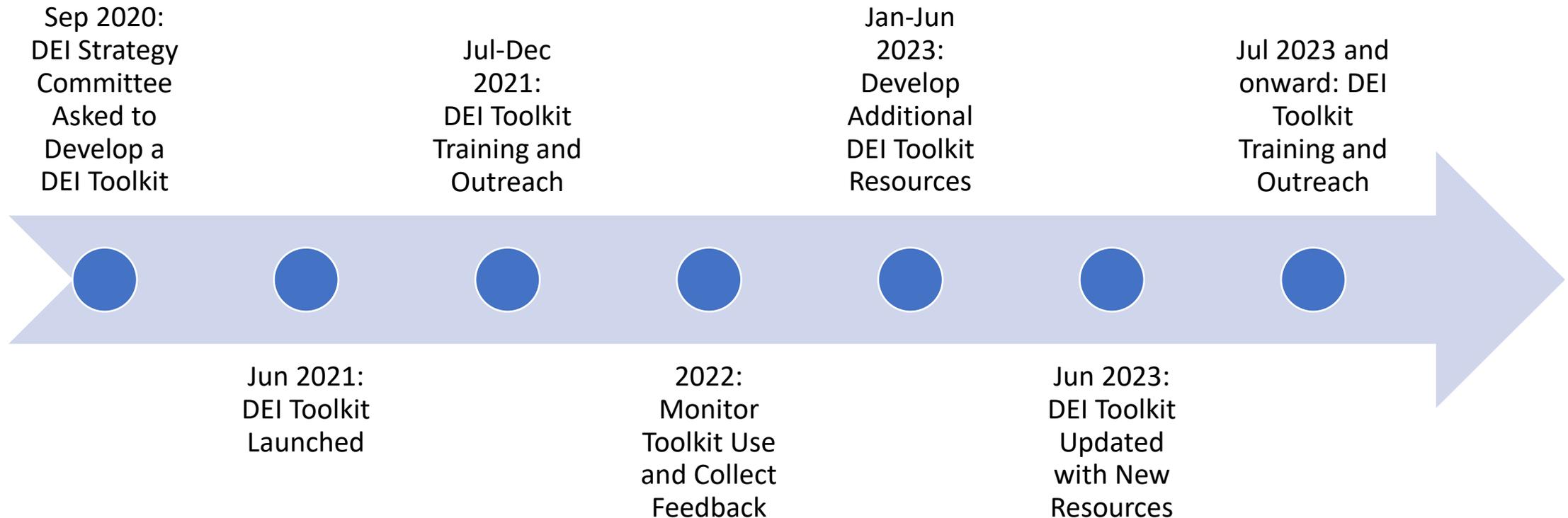


### Rules of Engagement for Meetings

This slide suggests some ground rules for inclusive meetings.

[Download](#)

# DEI Toolkit Timeline



# DEI Toolkit Contents

## Current

- Guide to Reducing Bias in Language
- How to Be an Ally Tip Sheet
- Social Media Guide
- Rules of Engagement for Meetings
- 6 DEI Moments

## Coming in June 2023

- Succession Management Plan
- Tips for Inclusive Meetings
- Guide for Creating and Using a Rubric
- 10 New DEI Moments

## Coming Later in 2023

- Video on How to Use the DEI Toolkit

# Key DEI Aspirations



Increase diversity among **professional members** and **student members**



Increase diversity among **volunteers** and **volunteer leaders**



Increase diversity among **Honors & Awards recipients** and those elevated to **Fellow grade of membership**



Increase diversity among **keynotes, panelists, presenters, and speakers** at ASME events



**Showcase ASME's commitment to diversity, equity, and inclusion** internally and externally

# Strategies to Move the Needle

Starting from the aspirational DEI goals, the committee identified strategies to move the needle in these key areas.

Looking ahead, the DEI Strategy Committee will be developing resources to implement these strategies, which will be added to the DEI Toolkit.

# New DEI Strategy Committee Chair-Elect

Alma Martinez Fallon has been selected as the new Chair-Elect of the DEI Strategy Committee with a term as Chair beginning July 1, 2024.

Fallon previously served on the ASME Board of Governors and as President of the Society of Women Engineers, and is a Fellow with both organizations. She is retired from Huntington Ingalls Industries where she last served as Corporate Director, Strategic Planning.



Thank you!



## Board of Governors Meeting Agenda Item Cover Memo

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Date Submitted:	May 18, 2023
BOG Meeting Date:	June 4, 2023
To:	Board of Governors
From:	Keith Roe and Stephanie Viola
Presented by:	Keith Roe and Stephanie Viola
Agenda Title:	ASME Foundation Campaign

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Agenda Item Executive Summary:

An update will be provided on the ASME Foundation Campaign.

Proposed motion for BOG Action:

**None**

Attachment(s):

PowerPoint Presentation

*The American Society of  
Mechanical Engineers*®  
ASME®

ASME  
FOUNDATION

# *Empowering Next Generation Engineers*

Equity in Engineering. Sustainability for the World.

Presentation to the Board of Governors

Sunday, June 4, 2023

2023 ASME Annual Meeting, St. Louis

# *Empowering* Next Generation Engineers

*Who Transform The World*

## **ASME's Mission**

Advance engineering for the benefit of humanity.

## **The Work of the ASME Foundation**

Through its 5-year, \$50 million *Campaign For Next Generation Engineers*, the ASME Foundation is funding scalable and sustainable initiatives focused on advancing sustainability and enhancing equity in engineering through STEM education, career engagement, and global development.

*Equity in*  
**Engineering**

# In Focus

*Equity and Sustainability*

CAMPAIGN FOR  
NEXT  
GENERATION  
ENGINEERS  
WHO TRANSFORM THE WORLD

CAMPAIGN FOR  
NEXT  
GENERATION  
ENGINEERS

ASME  
FOUNDATION

# \$50 MILLION. 5 YEARS.

*THE PROMISE OF A NEXT GENERATION OF DIVERSE  
ENGINEERS WHO WILL HELP TRANSFORM THE WORLD.*

## Equity in Engineering Sustainability for the World



# Equity in Engineering

*Double the number of women and minorities in engineering by 2030*

# Sustainability for the World

*Mobilize a global ecosystem of engineers to innovate a sustainable world*

# REINVENTING THE FUTURE

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*Equity in Engineering.*

*Sustainability for the World.*

April 27, 2023

The Willard InterContinental | Washington, DC

# Reinventing the Future

April 27<sup>th</sup> 2023, Washington, D.C.



# Reinventing the Future

April 27<sup>th</sup> 2023, Washington, D.C.

ASME  
FOUNDATION



# Reinventing the Future

April 27<sup>th</sup> 2023, Washington, D.C.



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# Reinventing the Future

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ASME  
FOUNDATION



# Reinventing the Future

April 27<sup>th</sup> 2023, Washington, D.C.



# Reinventing the Future

April 27<sup>th</sup> 2023, Washington, D.C.



*Secured for FY23-24*

# Accelerating Engineering Pathways for CTE and Community College Students in a COVID-Changed World

**ECMC**  
Foundation

**ASME**  
FOUNDATION

*Secured for FY23-24*

# Accelerating Engineering Pathways for CTE and Community College Students in a COVID-Changed World



*Secured for FY23-24*

# Accelerating Engineering Pathways for CTE and Community College Students in a COVID-Changed World



*Expanding ASME Foundation's Leadership*

# New Philanthropy Committee Members Appointed



**Dr. Ying Feng Pang**

Intel Corporation  
Principal Engineer  
ASME Fellow



**Anita Rebarchak**

Pratt & Whitney  
Deputy Program Manager, Commercial  
Derivatives, Military Engines

*A Holistic Approach to Successful Cultivation*

# Framework for Strategic Philanthropy



*A Calculated Approach to Successful Cultivation*

# The Science & Art of Philanthropy





# Ways to Engage

*as a member of ASME's Leadership*

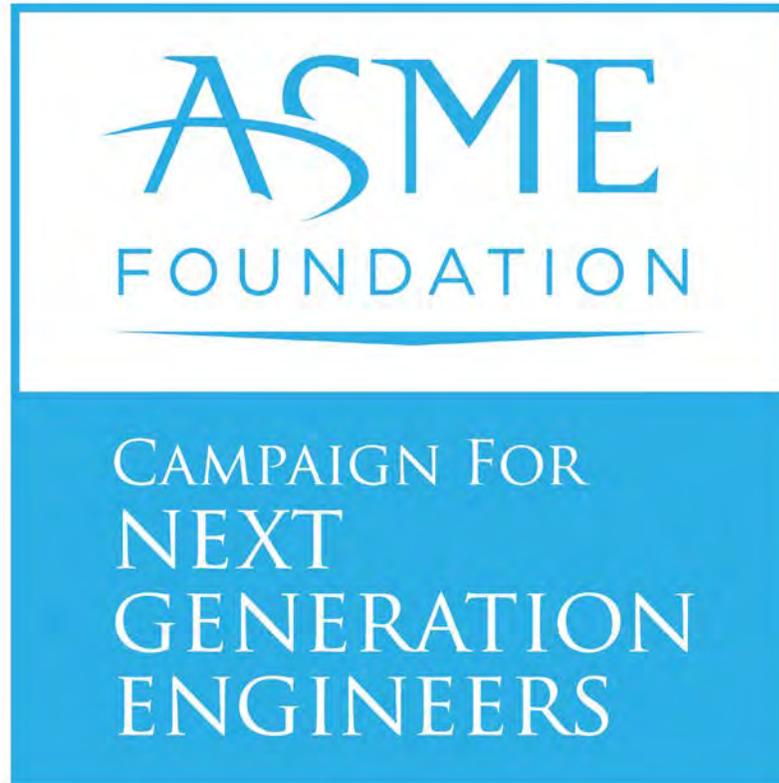


- Time, Talent, Treasure, and Testimony
- Participate/speak at an event
- Share ASME impact stories with your network
- Attend an ASME event and invite your networks to attend
- Author an article (ME Magazine)
- Facilitate introductions to potential stakeholders in your circle
- Be a champion and advocate for ASME's philanthropic initiatives
- Stay connected with us: share, comment, and like our posts on social media to show your leadership & support



*Our Bold Vision for ASME's Campaign for Next Generation Engineers*

Equity in Engineering. Sustainability for the World.



Thank you for your *leadership*.



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

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Date Submitted:	May 17, 2023
BOG Meeting Date:	June 4, 2023
To:	Board of Governors
From:	Clare Bruff, Senior Manager, Volunteer Leadership Development & Diversity
Presented by:	ECLIPSE Class of 2022-2023
Agenda Title:	ECLIPSE Presentation

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Agenda Item Executive Summary:

The ECLIPSE interns will deliver a presentation on their group project from the 2022-2023 program year. The topic is “Capturing the volunteer landscape at ASME to lower barriers to volunteerism.”

Proposed motion for BOG Action:  
None.

Attachment(s):  
PowerPoint

# Capturing the volunteer landscape at ASME to lower barriers to volunteerism

ECLIPSE Class of 2023

# Agenda

- Introduction
- Motivation
- Project Outcomes
- Methodology
- Insights
- Volunteer Maps & Experiences
- Conclusion

# 2022-2023 ECLIPSE Team



**Joshua Brooks**  
Member Development & Engagement



**Ayse Gul**  
Standards and Certification



**Hind Hajjar**  
Board of Governors



**Lingnan Lin**  
Technical & Engineering Communities



**Guha Manogharan**  
Public Affairs and Outreach



**Michael Zhou**  
Petroleum Division

# Project Motivation

ASME relies on volunteers to share their expertise in the service of:

- ✓ Development of standards
- ✓ Dissemination of technical knowledge
- ✓ Improvement of safety and quality of life

Challenges to volunteerism:

- Identification of opportunities for prospective volunteers
- Engaging new volunteers
- Retaining existing volunteers
- Replacing retiring volunteers



***How can we engage new volunteers and retain existing volunteers in order to advance engineering for the benefit of humanity?***

# Project Outcomes

- Gather feedback on volunteer experience
- Map different volunteer pathways
- Share findings and opportunities for ASME volunteerism



# Methodology

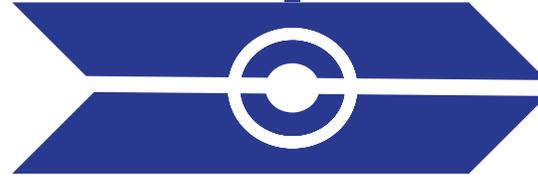
## Data Collection

- Survey
- Interview



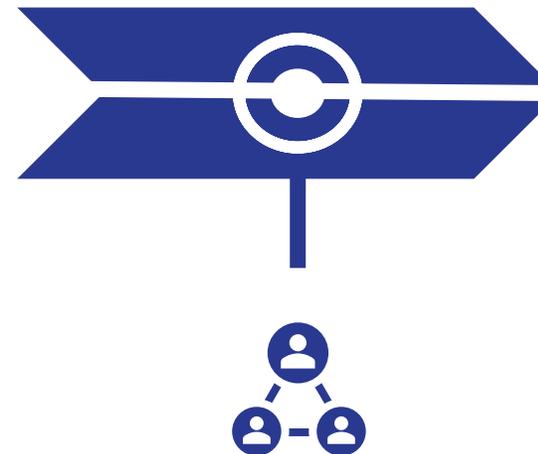
## Identify Participants

- Different questions for different stakeholder types
- Determine potential interviewees



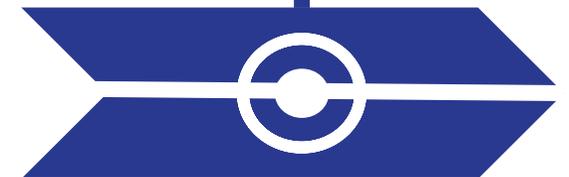
## Outreach

- Conduct interviews
- Distribute survey



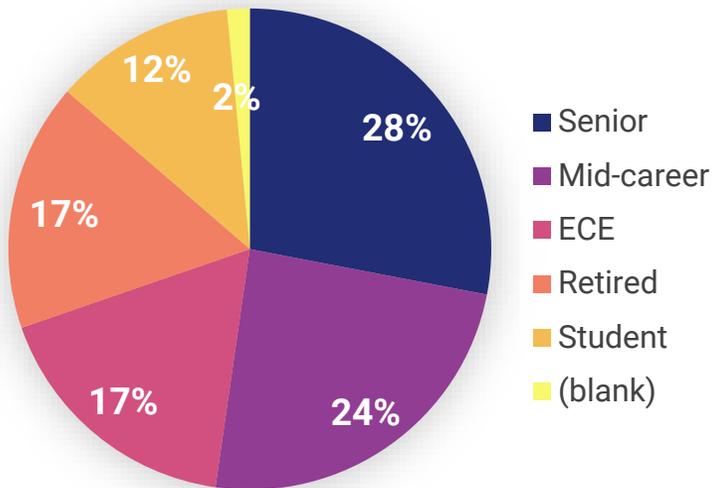
## Analysis

- Volunteer Journey Map
- Interview Highlights

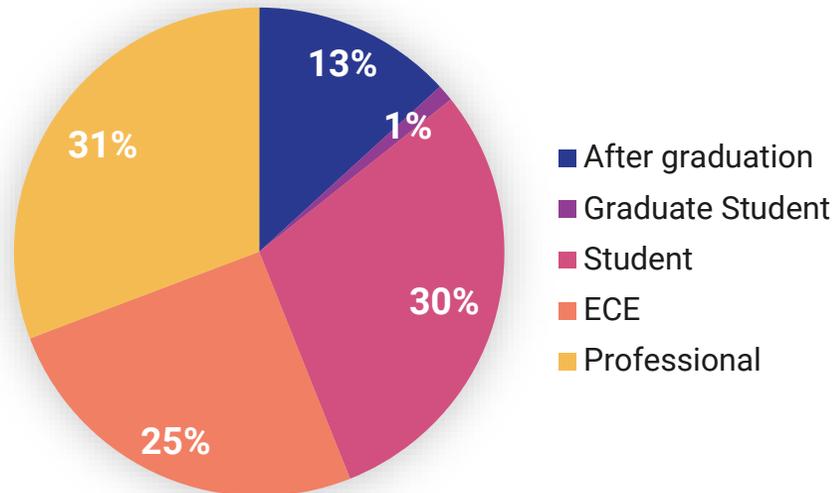


# Population Background

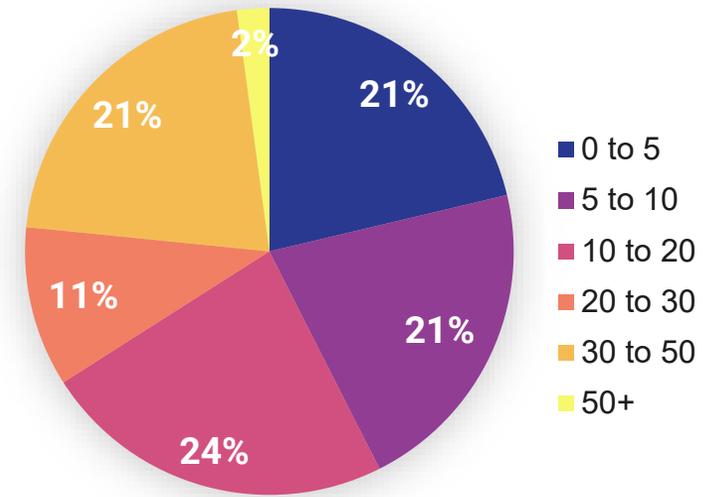
Current Career Level



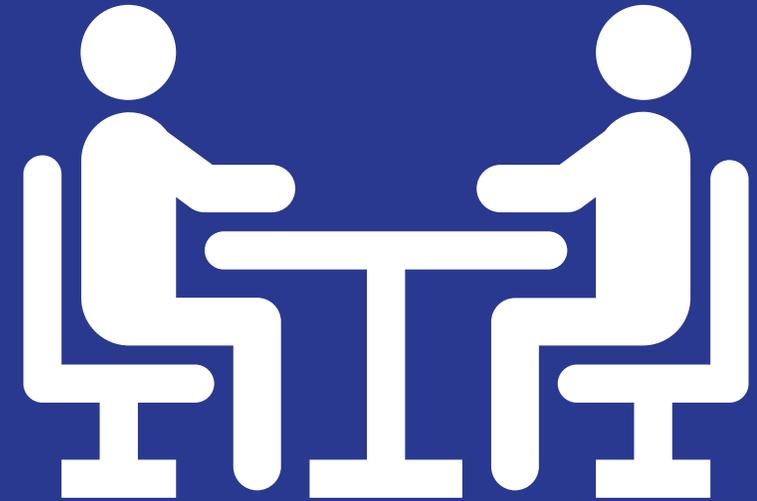
Started Volunteering



Years as a Volunteer

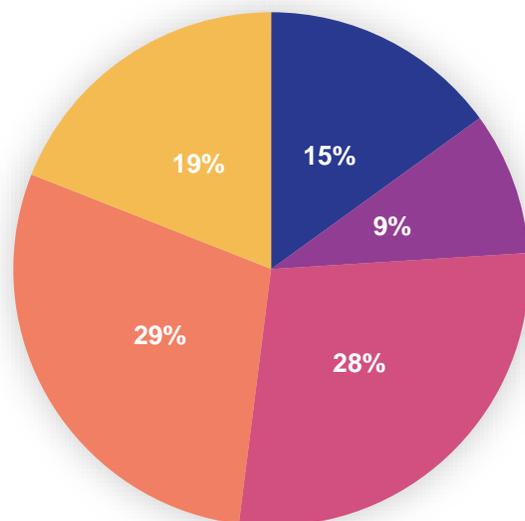


# Interview Insights

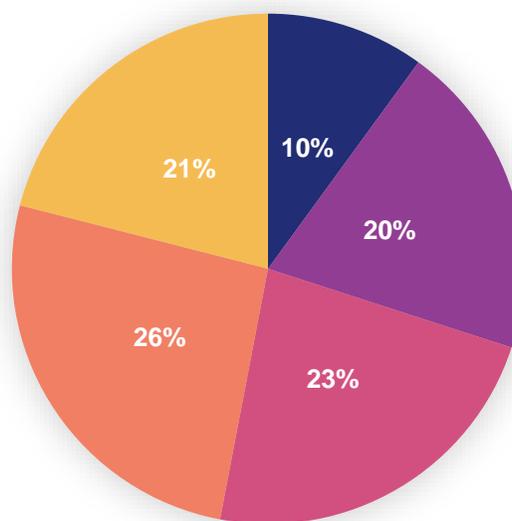


# Survey Insights

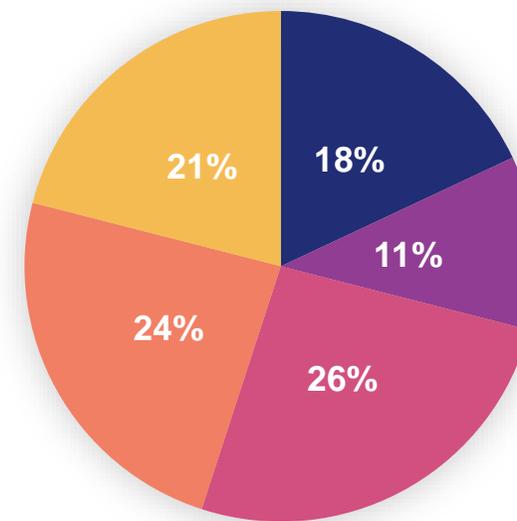
It is easy to find new ASME volunteer opportunities.



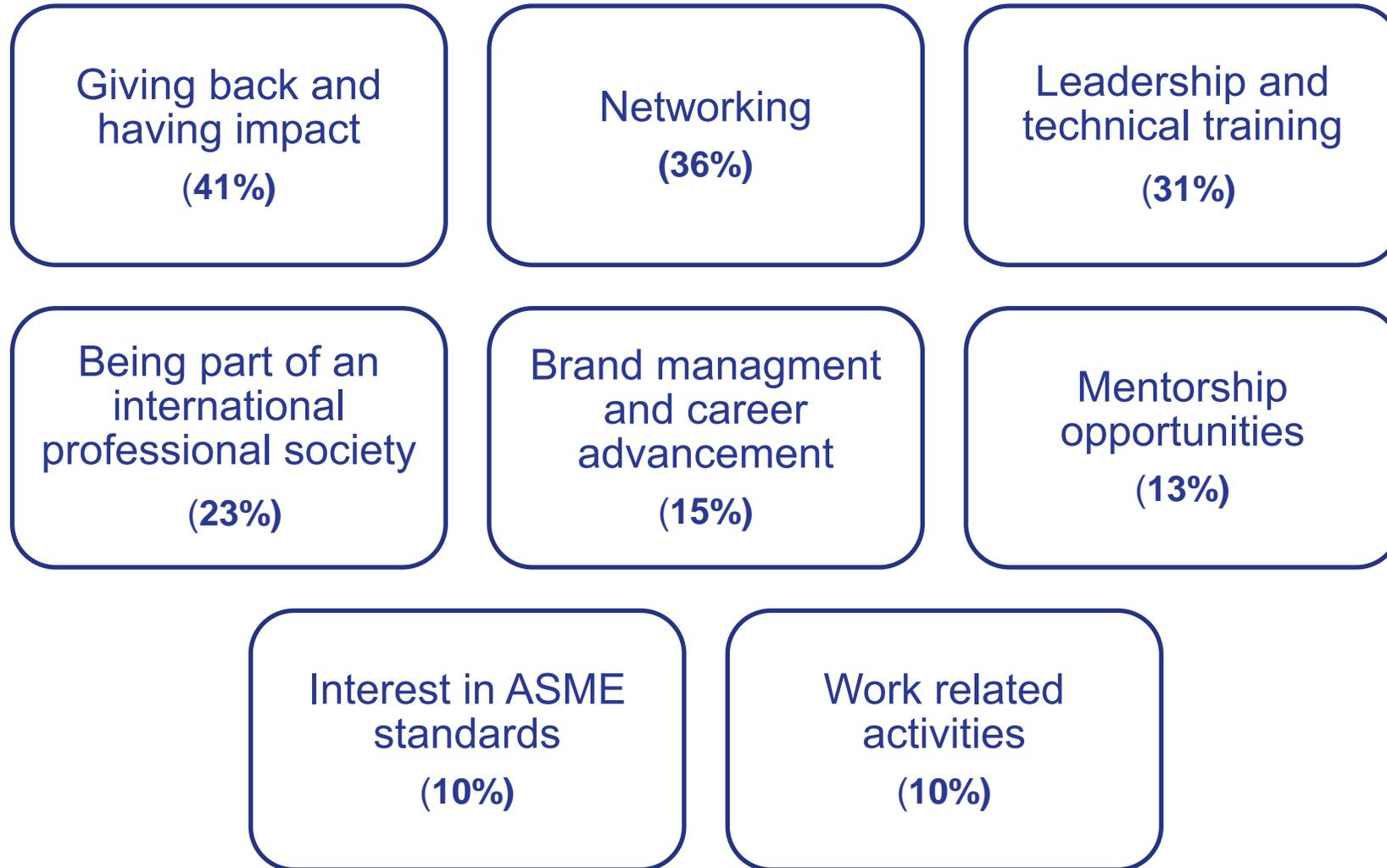
It is easy to engage with other ASME members



My employer/university supports my ASME volunteer activities

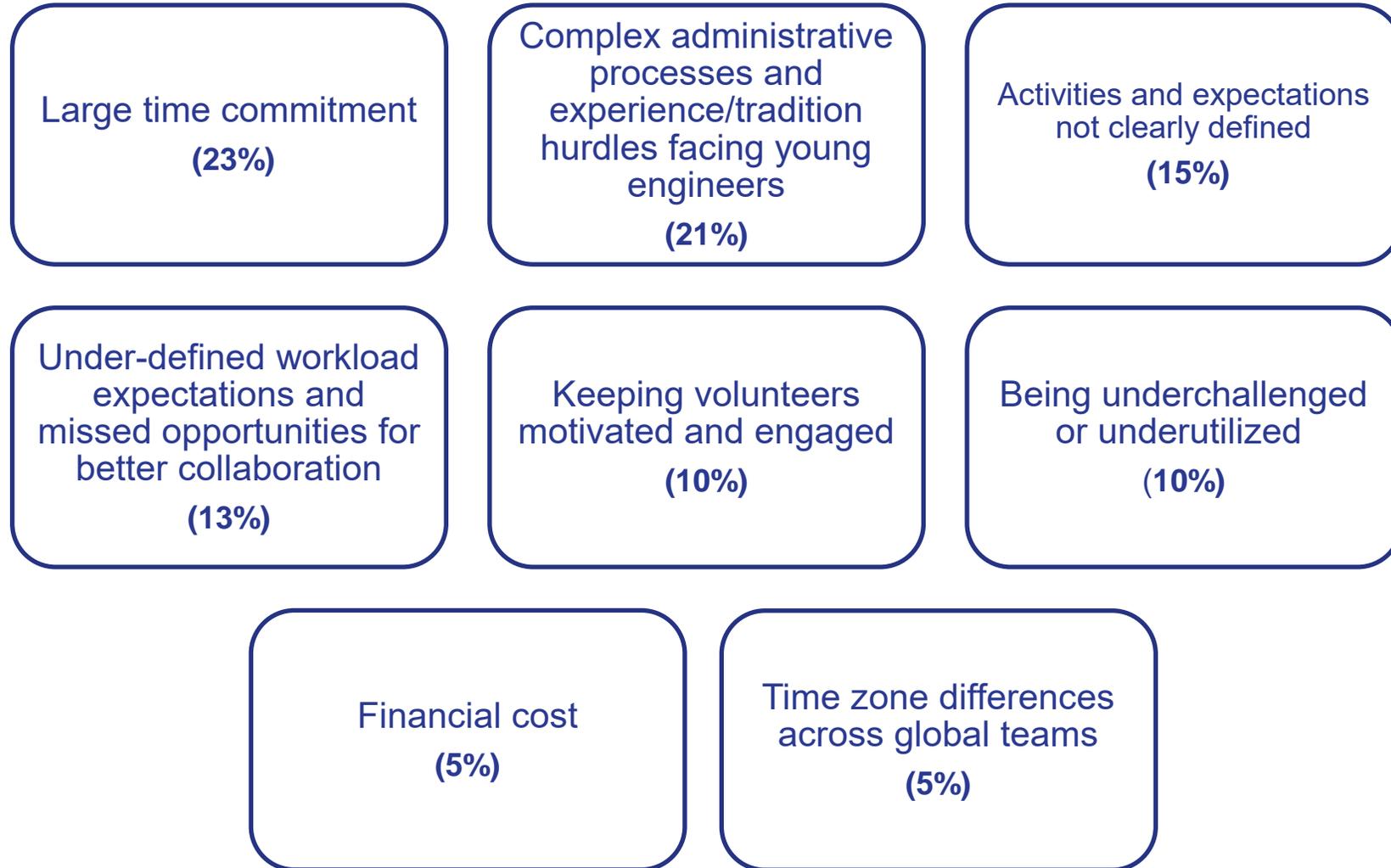


# Interview Insights: *What motivates you as a volunteer?*



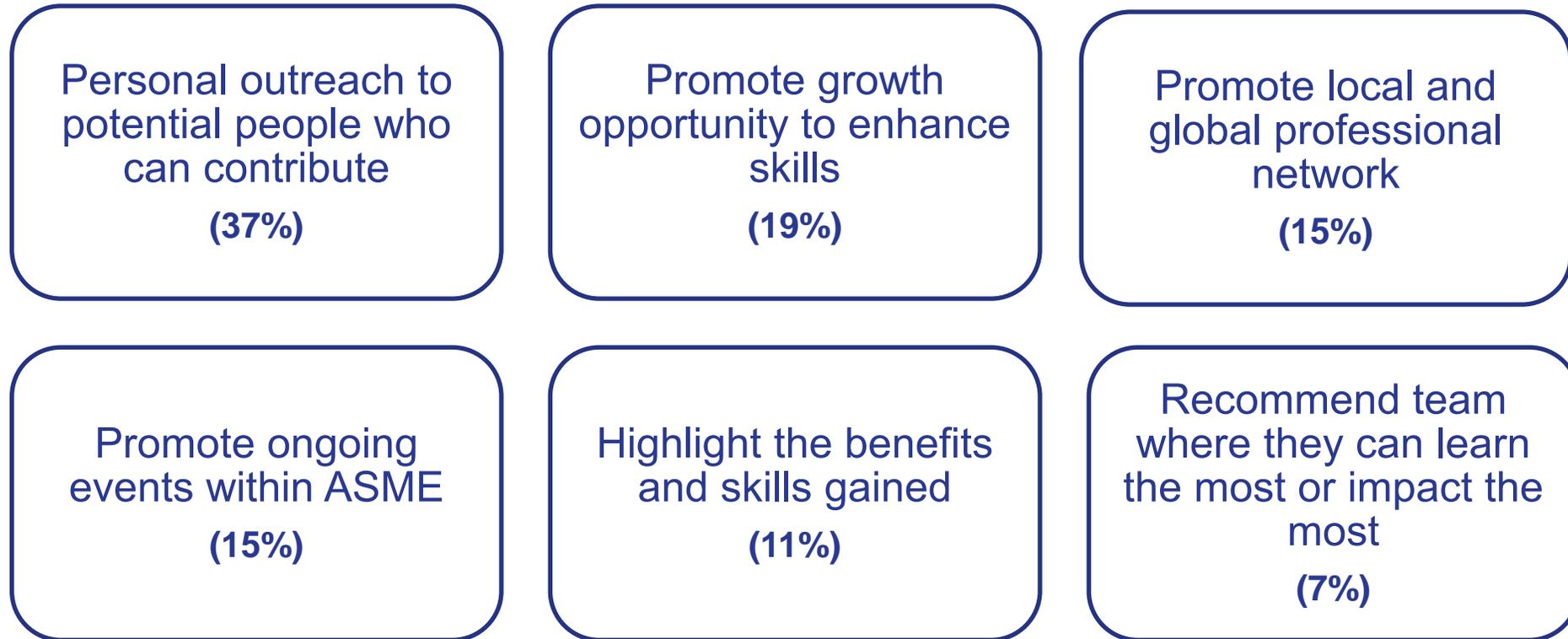
39 respondents

# Interview Insights: *What challenges have you faced while volunteering?*



39 respondents

# Interview Insights: *How do you encourage potential volunteers to get involved?*



27 respondents

# Interview Insights: *What would encourage more volunteer engagement?*

## Opportunities for early career engagement (41%)

- Strategize to recruit and retain ECEs
- Dedicated opportunities for ECEs to build future leader pipeline

## Communications (41%)

- Publicize volunteer journeys and benefits of ASME involvement
- Emphasize to volunteers their work's society/community impact
- Communicate open roles using a dedicated portal or LinkedIn
- Sponsor volunteer visits to universities, conferences, or other gatherings to share their experiences

## Improve clarity (27%)

- Articulate responsibilities and expectations for all volunteer roles
- Improve communication between ASME committees to align overall goals, timeline, and expectations to minimize confusion for volunteers
- Communicate changes to volunteer structure with transparency and in a timely manner.

## Promote networking (22%)

- Increase networking opportunities for active volunteers
- Facilitate mentorship opportunities across ASME

## Increase flexibility (19%)

- Offer diversity in volunteer role formats and terms, example: gig style and project-based opportunities
- Continue to offer virtual meetings
- Implement best-practices across Standards

## Diversity (16%)

- Focus on hubs outside of India and the US
- Increase age/experience diversity in professional section committees
- Promote volunteer meeting time zone inclusiveness

## Increase recognition (16%)

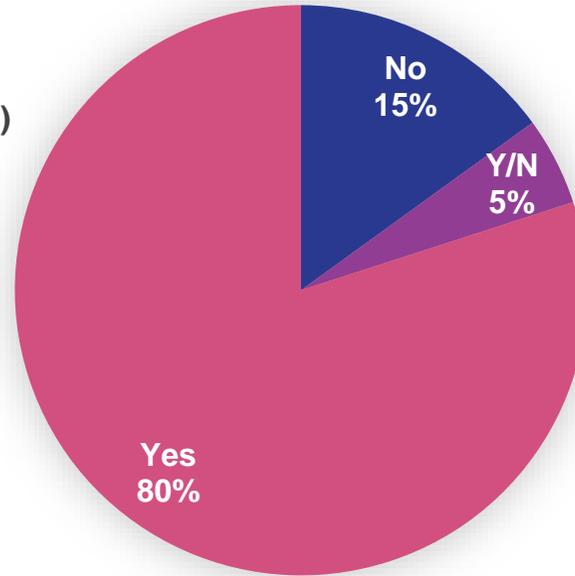
- Recognize active volunteers beyond a few selective awards
- Develop regional newsletter to recognize the work of sections and promote upcoming events

39 respondents

# Interview Insights: *Have you found it easy to find your “next” role?*

## Yes

- Supported or approached by volunteer leaders (41%)
- Took active initiative to seek out roles (13%)
- Staff responsive and supportive (3%)
- Company engagement and financial support (3%)



## No

- Need to know people (13%)
- Lack of communication on open roles, takes persistence (13%)
- Experienced members chosen first (10%)
- Process is unclear (8%)
- Not aware of opportunities after graduating (3%)
- Role scope not clear (3%)

## Yes and No

- Long wait to be considered for role after adding name to waiting list (3%)
- Easy as a student, difficult as ECE and mid-career (3%)

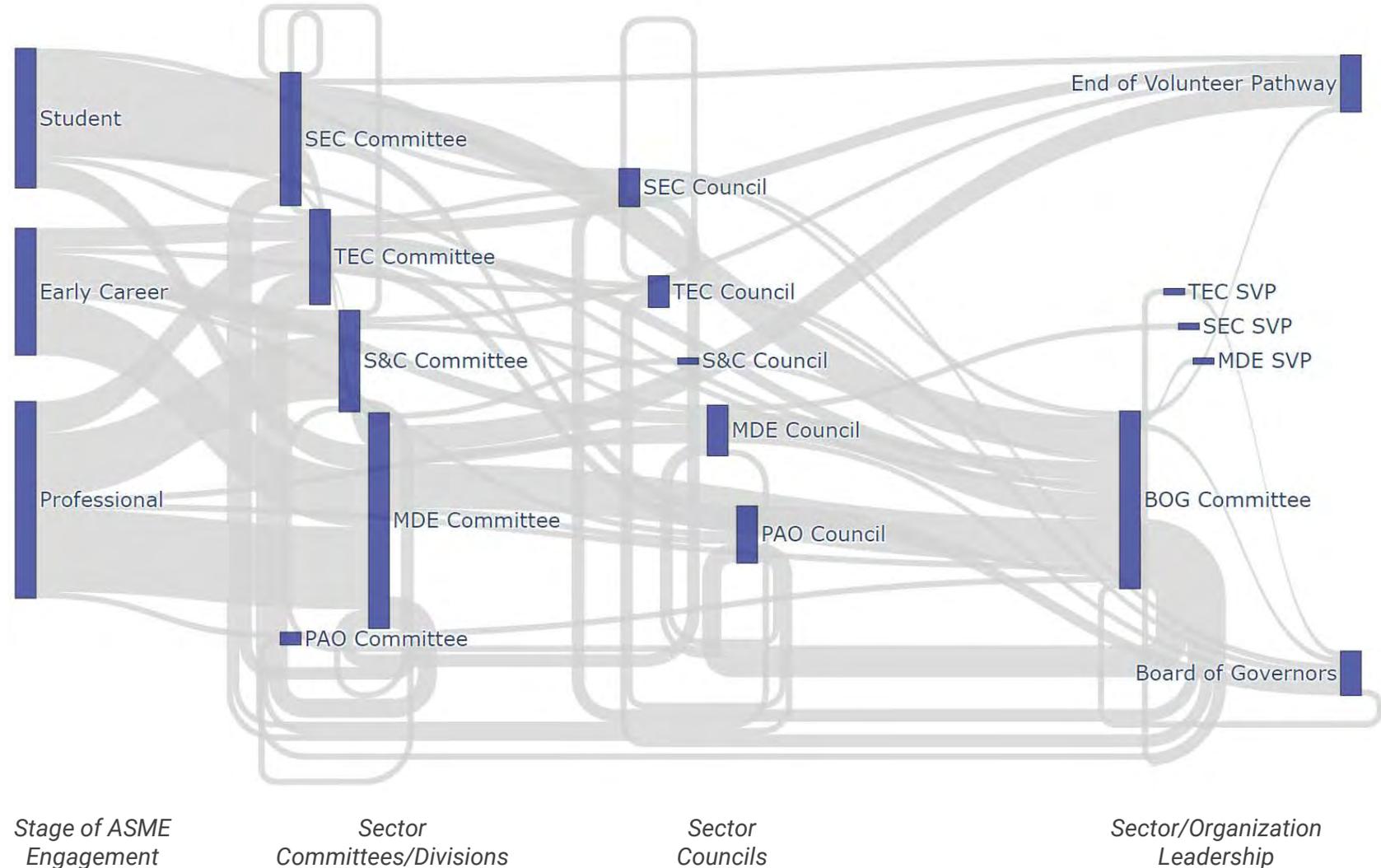
# Visualizing Volunteer Pathways



# Volunteer Pathways

ASME relies on volunteers

- Individual pathways:
  - Diverse
  - Non-linear
  - Sector cross-cutting
  - Opportunity dense
- Sankey diagram visualization
  - Volunteers surveyed
  - 74 pathways included

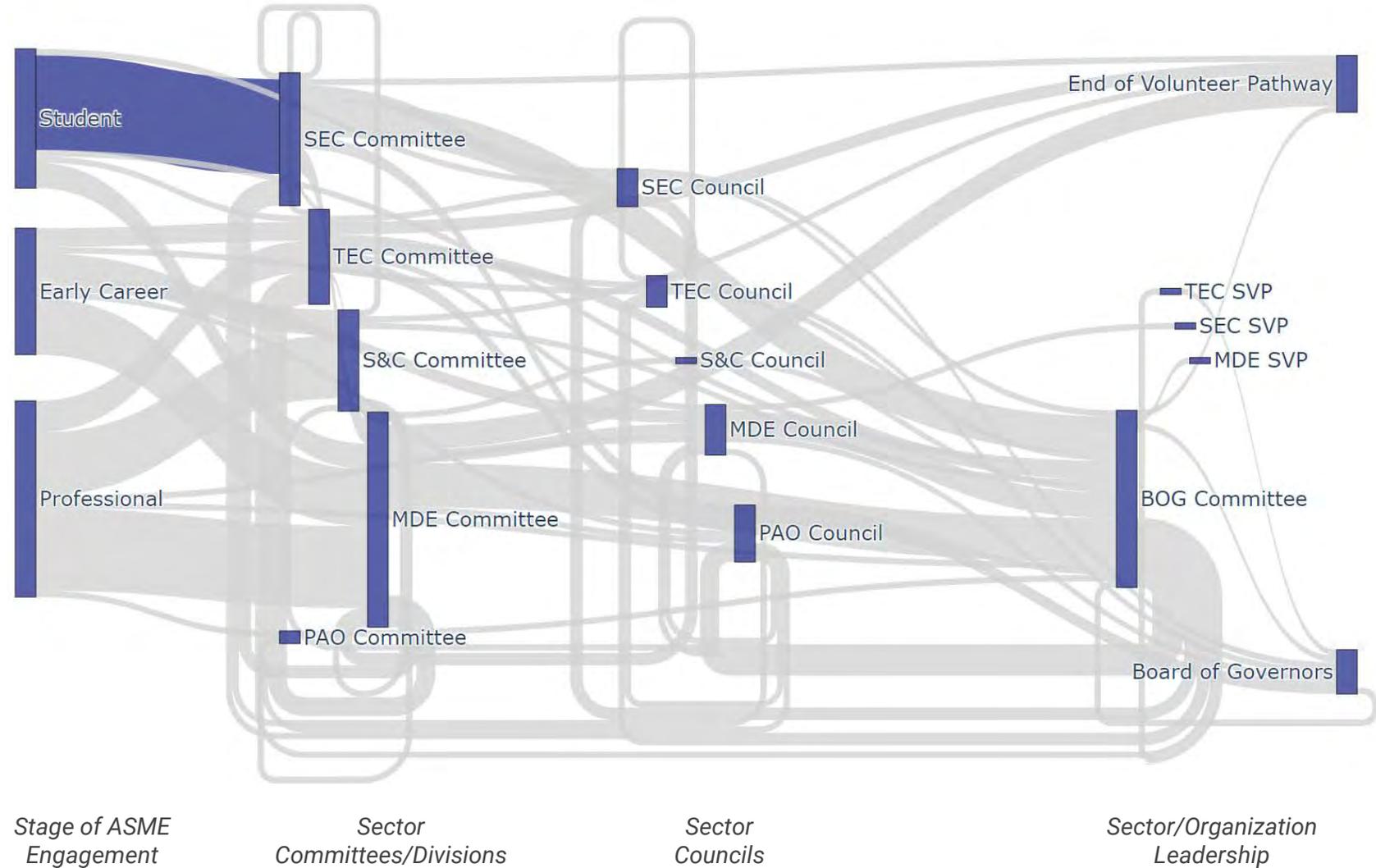


# Volunteer Pathways



**Ramisa Ahmed**  
Student Section Chair

*"I volunteer with ASME because I wanted to find a sense of community and to provide a sense of community amongst and for my fellow students and faculty."*

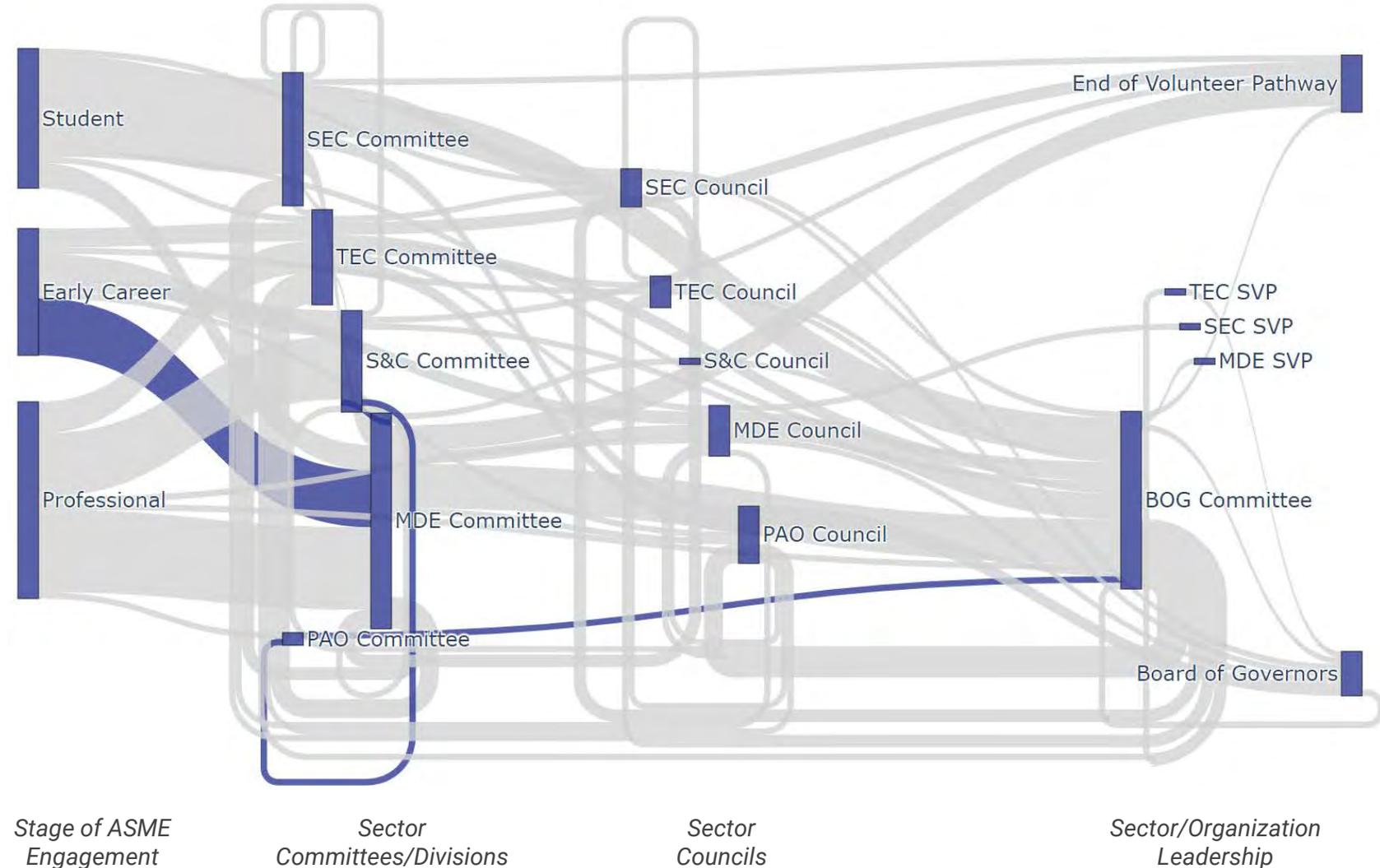


# Volunteer Pathways



**Steven Unikewicz**  
ASME Fellow

*"My experience as a volunteer has been absolutely fantastic. I have had the opportunity to serve alongside some of the World's most phenomenal and brilliant people, I get to help develop Codes and standards that guide government and industry, and I've built lifelong friendships."*

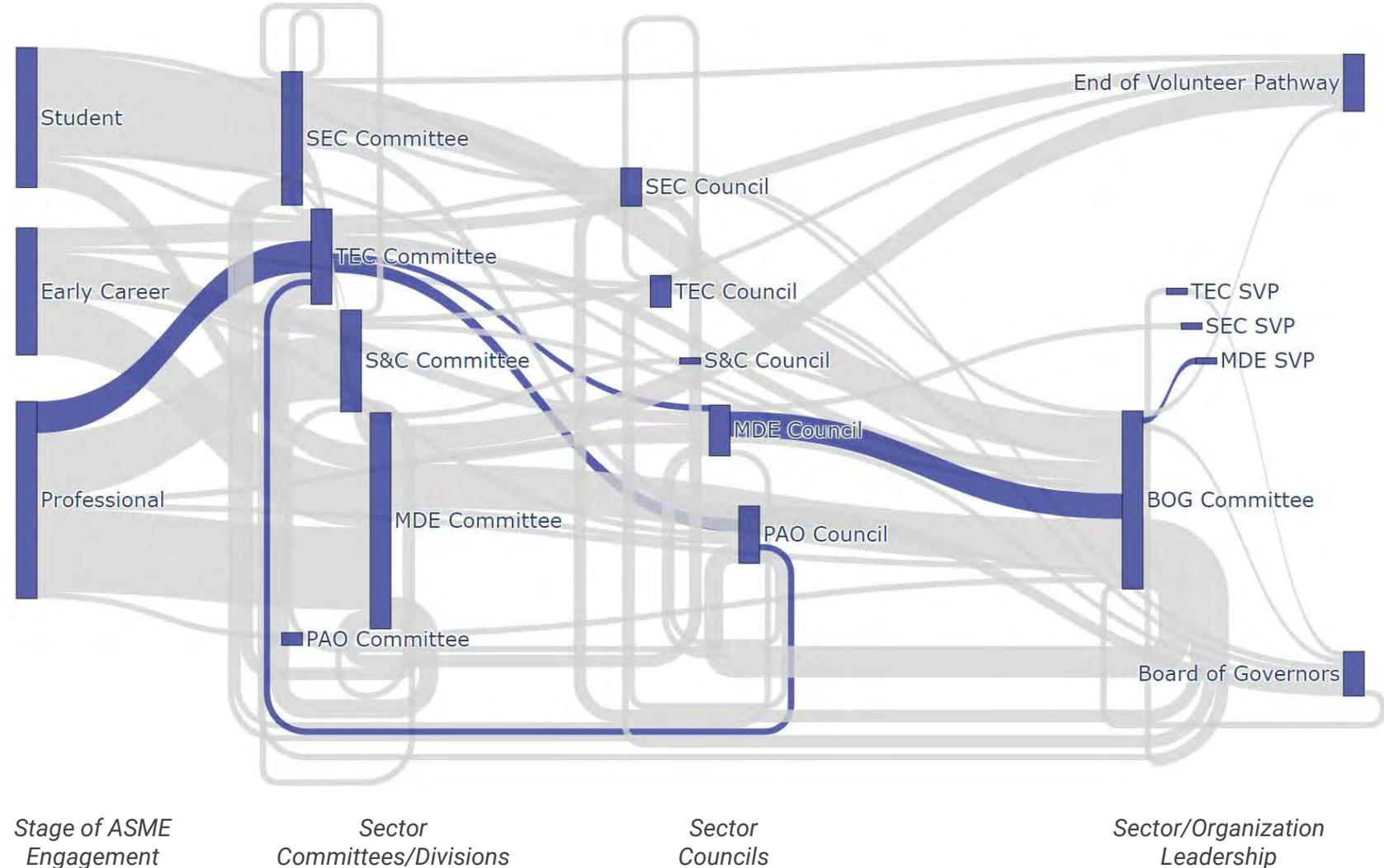


# Volunteer Pathways



**Rick Cowan**  
Senior Vice President-Elect  
(MDE)

*"ASME's mission is to advance engineering for the benefit of humanity. I am motivated to volunteer by just that: what can we do for humanity together through ASME"*



# Conclusions

- ASME volunteers are enthusiastic about volunteering with ASME and they do so for a variety of reasons
- Expanding opportunities for Early Career volunteerism across the organization would build the pipeline of future volunteer leaders
- There are many ways to get involved, and diverse non-linear volunteer pathways available to anyone across ASME



**Thank you!**

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

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**Date Submitted:** May 15, 2023  
**BOG Meeting Date:** June 4, 2023  
**To:** Board of Governors  
**From:** Committee on Honors (COH)  
**Presented by:** Terry Shoup, COH Chair  
**Agenda Title:** Approved Society Awards Listing

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

Attached for information is the listing of COH approved awards for FY2023.

**Proposed motion for BOG Action:** None

**Attachment:** Yes

**RECIPIENTS OF ASME HONORS AND AWARDS - 2023**

**ACHIEVEMENT AWARDS**

**ASME MEDAL**

<p><u>Huajian Gao</u>, Ph.D., Fellow Nanyang Technological University 22 Nanyang Circle 639773 Singapore Singapore</p>		<p>For contributions to fundamental solid mechanics and the emerging research field of mechanomaterials at the interface of solid mechanics, structure mechanics, mechanics of materials, materials science, biology, and data science</p>
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**HONORARY MEMBERS**

<p><u>Dereje Agonafer</u>, Ph.D., Fellow University of Texas at Arlington 500 West First St. Room 211A Woolf Hall Arlington, TX 76019</p>		<p>For contributions to thermal design and reliability of microelectronics systems; for leadership in thermal management of data centers, both air and liquid; and for the mentorship of over 250 graduate students in this area</p>
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<p><u>Joseph J. Beaman</u>, Ph.D., Fellow University of Texas at Austin Cockrell School of Engineering 1 University Station C2200 Austin, TX 78712-0292</p>		<p>For pioneering advancements in additive manufacturing through groundbreaking research and service, including work in the transfer of leading additive manufacturing technology to industry and society</p>
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<p><u>Ali Erdemir</u>, Ph.D., Fellow 1011 Muirfield Village College Station, TX 77845</p>		<p>For pioneering innovations and multidisciplinary research in materials science, with significant impact on energy conservation and sustainability; and for connecting research to industrial applications</p>
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<p><u>Azad M. Madni</u>, Ph.D. Viterbi School of Engineering University of Southern California 854 Downey Way, RRB 224 Los Angeles, CA 90089-1192</p>		<p>For pioneering contributions to adaptive cyber-physical-human systems engineering through a multi-disciplinary systems approach that incorporates model-based systems engineering, digital twin technology, and AI and machine learning</p>
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<p><u>Judith A Todd</u>, Ph.D., Fellow 515 Balmoral Circle State College, PA 16801-7000</p>		<p>For visionary, interdisciplinary, and interprofessional leadership and mentoring; for a lifetime of service in advancing the mechanical arts and sciences in academia and professional societies; and for fostering the inclusive vision and mission of ASME and the engineering profession</p>
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**ADAPTIVE STRUCTURES AND MATERIAL SYSTEMS AWARD**

<p><u>Aditi Chattopadhyay</u>, Ph.D., Member Mechanical and Aerospace Engineering Dept. Arizona State University 1141 N. Fir Street Chandler, AZ 85226</p>		<p>For consistent and significant contributions to multifunctional materials, computational mechanics, material characterization with a focus on adaptive structures and materials, and practical application in adaptive structures, health monitoring and composites</p>
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**AVRAM BAR-COHEN MEMORIAL MEDAL**

<p><u>Sreekant Narumanchi</u>, Ph.D., Fellow 11301 W. Tanforan Circle Littleton, CO 80127</p>		<p>For technical contributions and leadership in thermal management, power electronics, and electric machines</p>
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**BARNETT-UZGIRIS PRODUCT SAFETY DESIGN AWARD**

<p><u>Costin Untaroiu</u>, Ph.D., Fellow Dept. of Biomedical Engineering and Mechanics Virginia Tech Collegiate Square Innovation Place 460 Turner St. NW, Suite 304 Blacksburg, VA 24060-3325</p>		<p>For extensive contributions to the field of impact biomechanics, including the development of computational human and dummy models for improving safe design of new vehicles, airplanes, space shuttles, and military vehicles</p>
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**BERGLES-ROHSENOW YOUNG INVESTIGATOR AWARD IN HEAT TRANSFER**

<p><u>Rohini Bala Chandran</u> Department of Mechanical Engineering University of Michigan 2350 Hayward Street Ann Arbor, MI 48109-2125</p>		<p>For outstanding early-career contributions to the application of radiative heat transfer science to solar thermal and thermochemical technologies</p>
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**PER BRUEL GOLD MEDAL FOR NOISE CONTROL AND ACOUSTICS**

<p><u>Xin Zhang</u>, Ph.D. Department of Mechanical Engineering Boston University 110 Cummington Mall Boston, MA 02215-2407</p>		<p>For unique innovations to the application of metamaterials that enable highly efficient air-permeable sound silencing and noise reduction at desired frequencies, addressing long-standing noise issues in a wide range of mechanical systems</p>
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**EDWIN F. CHURCH MEDAL**

<p><u>Volker Sick</u>, Ph.D., Member Department of Mechanical Engineering University of Michigan 2350 Hayward Street Ann Arbor, MI 48109</p>		<p>For pioneering contributions to mechanical engineering education through high-impact experiential learning programs that broaden students' disciplinary, cultural, and moral understanding</p>
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**HENRY LAURENCE GANTT MEDAL**

<p><u>Guru Madhavan</u>, Ph.D., Fellow Norman R. Augustine Senior Scholar and Senior Director of Programs National Academy of Engineering 500 Fifth Street, NW Keck 1043 Washington, DC 20001</p>		<p>For exemplary international leadership in advancing engineering professionalism at the nexus of business, government, academia, and civic society</p>
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**GEORGE WESTINGHOUSE GOLD MEDAL**

<p><u>George Tsatsaronis</u>, Ph.D., Fellow Technical University of Berlin Institute for Energy Engineering Marchstrasse 18 10587 Berlin, Germany</p>		<p>For outstanding and innovative contributions to the development of novel methods for the production of electricity and the optimization of power plants</p>
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**GEORGE WESTINGHOUSE SILVER MEDAL**

<p><u>Stephen Lynch</u>, Ph.D., Fellow Department of Mechanical Engineering The Pennsylvania State University 127 Reber Building University Park, PA 16802</p>		<p>For leadership in research and education in the application of additive manufacturing relevant to gas turbine cooling and heat exchange</p>
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**EDWARD GROOD INTERDISCIPLINARY TEAM SCIENCE MEDAL IN BIOENGINEERING**

<p><u>Dawn M. Elliott</u>, Ph.D., Fellow Health Sciences Complex Room 201K 540 S. College Ave Newark, Delaware 19713</p> <p><u>Robert L. Mauck</u>, Ph.D., Member University of Pennsylvania Bioengineering Department 308A Stemmler Hall 3450 Hamilton Walk Philadelphia, PA 19104</p>		<p>For advancements in basic and translational research in structure-function and degeneration, tissue-engineered replacements, and injectable therapies</p>
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**THOMAS K. CAUGHEY DYNAMICS MEDAL**

<p><u>Haiyan Hu</u>, Ph.D. School of Aerospace Engineering Beijing Institute of Technology Beijing, 100081 China</p>		<p>For outstanding achievements in nonlinear dynamics and controlled mechanical systems that revealed the essential roles of delayed feedback and hysteretic memory and improved the design of nonlinear vibration control, active flutter suppression, and deployable space structures</p>
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**J.P. DEN HARTOG AWARD**

<p><u>Steven Shaw</u>, Ph.D., Member Department Mechanical Engineering Texas A&amp;M University College Station, Texas 77843-3133</p>		<p>For lifetime contributions to the teaching and practice of vibration engineering, especially in the modeling and analysis of mechanical system vibrations, ranging from fundamental research to practical engineering with industry partners</p>
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**DANIEL C. DRUCKER MEDAL**

<p><u>Arun Shukla</u>, Ph.D., Fellow Dept. of Mechanical, Industrial and Systems Engineering University of Rhode Island 45 Upper College Road Kingston, RI 02881</p>		<p>For outstanding and fundamental contributions to dynamic fracture mechanics, wave propagation in granular media, and underwater implosion phenomena</p>
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**THOMAS A. EDISON PATENT AWARD**

<p><u>Phillip C. Chesser</u> 2350 Cherahala Blvd. Knoxville, TN 37932</p> <p><u>Brian K. Post, Ph.D.</u> 2350 Cherahala Blvd. Knoxville, TN 37932</p> <p><u>Randall F. Lind</u> 2350 Cherahala Blvd. Knoxville, TN 37932</p> <p><u>Alex C. Roschli</u> 2350 Cherahala Blvd. Knoxville, TN 37932</p> <p><u>Lonnie J. Love, Ph.D., Fellow</u> 2350 Cherahala Blvd. Knoxville, TN 37932</p>		<p>For the Cable Driven Additive Manufacturing System patent (US 11230032 B2)</p>
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**DEVOR-KAPOOR MANUFACTURING MEDAL**

<p><u>Jian Cao, Ph.D., Fellow</u> Department Mechanical Engineering Northwestern University 2145 Sheridan Road Evanston, IL 60208</p>		<p>For pioneering research, collaboration, and publication in hybrid, physics-based, and data-inspired approaches for designing and executing flexible manufacturing processes; and for inspirational mentorship to women and underrepresented minorities in manufacturing</p>
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**WILLIAM T. ENNOR MANUFACTURING TECHNOLOGY AWARD**

<p><u>William P. King, Fellow</u> University of Illinois Mechanical Science &amp; Engineering Dept. 1206 W. Green St Urbana, IL 61801-2906</p>		<p>For contributions to digital manufacturing and additive manufacturing through the development of new technologies, translation of these technologies for impactful applications, and industry leadership leading to widespread implementation</p>
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**NANCY DELOYE FITZROY AND ROLAND V. FITZROY MEDAL**

<p><u>Gwendolyn E. Boyd, P.D.</u> 7713 Stratfield Lane Laurel, MD 20707</p>		<p>For groundbreaking contributions to U.S. national security in submarine acoustic navigation systems analysis of the Polaris, Poseidon, and Trident Strategic Weapon Systems; missile guidance and performance evaluation; and defense-related software development and implementation</p>
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**FLUIDS ENGINEERING AWARD**

<p><u>Fotis Sotiropoulos, Ph.D., P.E., Fellow</u> Virginia Commonwealth University 901 West Franklin Street Box 842527 Richmond, VA 23284-2527</p>		<p>For outstanding contributions to fluids engineering in the areas of turbulence, vortex dynamics, flow-structure interactions, and chaotic dynamics, impacting the fields of mechanical, biological, biomedical, and civil engineering</p>
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**Y.C. FUNG EARLY CAREER AWARD**

<p><u>Jessica M. Oakes</u>, Ph.D., Member Department of Bioengineering Northeastern University 360 Huntington Avenue Boston, MA 02492</p>		<p>For outstanding work in respiratory mechanics that has significantly advanced the understanding of asthma, smoking, and inhalable drug delivery, and for strong advocacy in diversity, equity, and inclusion efforts</p>
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**KATE GLEASON AWARD**

<p><u>Jayathi Y. Murthy</u>, Ph.D. Office of the President Oregon State University 600 Kerr Administration Building Corvallis, OR 97333</p>		<p>For leadership in engineering higher education and contributions to diversity, equity, and inclusion of underrepresented minorities in engineering</p>
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**MELVIN R. GREEN CODES AND STANDARDS MEDAL**

<p><u>Ralph S. Hill III</u>, Fellow Hill Engineering Solutions 2276 W. Wapoot Dr. Meridian, ID 83646-4781</p>		<p>For dedication to the development of safety codes and standards, particularly in ASME, and their distribution and use at an international level; and for contributions to the development and expansion of nuclear power to the benefit of all</p>
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**HEAT TRANSFER MEMORIAL AWARD**

**GENERAL**

<p><u>D.Y. (Robert) Tzou</u>, Ph.D. University of New Mexico Department of Mechanical Engineering Albuquerque, NM 87131-0001</p>		<p>For international leadership and seminal contributions to microscale heat transfer by establishing the dual-phase-lag model for ultrafast phenomena, publishing the first book in this area, and founding a major international conference on microscale and nanoscale heat and mass transfer</p>
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**SCIENCE**

<p><u>Gautam Biswas</u>, Ph.D., Member Indian Institute of Technology Kanpur Department of Mechanical Engineering Kanpur 208106 781039 India</p>		<p>For sustained and outstanding scholarly contributions to thermal science and engineering, including heat transfer enhancement, phase change heat transfer with and without electrohydrodynamic forces, and dynamics of liquid jet and droplet impingement</p>
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**ART**

<p><u>Jane H. Davidson</u>, Ph.D., Fellow University of Minnesota 111 Church St. SE Minneapolis, MN 55455-0150</p>		<p>For significant contributions of heat transfer engineering to the design, demonstration and characterization of efficient concentrating solar thermochemical reactors and components, including heat recovery systems and materials for efficient production of renewable fuels</p>
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**HOLLEY MEDAL**

<p><u>Robert B. Hauck</u>, Member 1507 Central Avenue Wilmette, IL 60091</p>		<p>For exemplary leadership in the design, manufacture, and commercialization of transformational healthcare technologies, resulting in revolutionary improvements to biomedical imaging and diagnostic capabilities</p>
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**MAYO D. HERSEY AWARD**

<p><u>Luis San Andres</u>, Ph.D., Fellow Department of Mechanic Engineering Texas A&amp;M University College Station, TX 77843</p>	<p>For sustained and innovative research that has significantly enhanced the rotordynamic performance of gas bearings and their application to oil-free turbomachinery</p>
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**PATRICK J. HIGGINS MEDAL**

<p><u>Peter DeMarco</u>, Member 66 Liberty Drive Dayton, NJ 08810-1614</p>	<p>For contributions to standardization through the development and promotion of ASME codes, standards, and conformity assessment programs over the last 30 years</p>
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**SOICHIRO HONDA MEDAL**

<p><u>Mrs. Hueichun Peng</u> 3206 Featherstone Ct. Ann Arbor, MI 48105</p>	<p>For contributions to the design, verification, and validation methodologies for automated vehicles</p>
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**INTERNAL COMBUSTION ENGINE AWARD**

<p><u>Jeffrey D. Naber</u>, Ph.D., Member MEEM, Michigan Theological University 1400 Townsend Dr. Houghton, MI 49931</p>	<p>For 35 years of dedicated work to the education about and the study, research, and development of internal combustion engines through studies and work across industry and academia</p>
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**JOHNSON & JOHNSON CONSUMER COMPANIES, INC. MEDAL**

<p><u>Mahesh C Aggarwal</u>, Ph.D., Fellow Department of Mechanical Engineering Gannon University 109 University Square Erie, PA 16541</p>	<p>For service to and leadership of the ASME Diversity, Equity and Inclusion Strategy Committee and active advocacy for LGBTQ+ communities through service to ASEE</p>
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**WARNER T. KOITER MEDAL**

<p><u>Yiu-Wing Mai</u>, Ph.D. Fellow School of Aerospace, Mechanical and Mechatronic Engineering The University of Sydney Camperdown, NSW 2006 Australia</p>	<p>For pioneering research on fracture mechanics, including crack-bridging of fiber cements, coarse-grained ceramics, and stitched composites; composite interface characterization; and methods for determining plane stress toughness of ductile polymers</p>
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**ROBERT E. KOSKI MEDAL**

<p><u>Perry Y. Lj</u>, Ph.D., Fellow Department of Mechanical Engineering University of Minnesota 111 Church Street, SE Minneapolis, MN 55455</p>	<p>For leadership in the establishment of fluid power curricula and innovative research on efficient hydraulic components and systems, safe and intuitive human interactive control of fluid power systems, and the open accumulator for isothermal compressed energy storage</p>
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**ALLAN KRAUS THERMAL MANAGEMENT MEDAL**

<p><u>Evelyn Wang</u>, Ph.D., Fellow 52 Grozier Rd. Cambridge, MA 02138</p>	<p>For contributions to understanding and enhancing heat and mass transport processes via nanoengineered materials and metrology and contributions to the development of high-performance thermal management solutions</p>
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**JAMES L. LANDIS MEDAL**

<p><u>Frank Michell</u>, Fellow 5785 Medallion Dr. East Westerville, OH 43082</p>	<p>For personal dedication and performance in the engineering, pre-operation, operations, and management of major fossil fuel steam-electric stations for over 50 years; for leadership in ASME committees; and for creating a lasting positive influence on many young engineers</p>
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**BERNARD F. LANGER NUCLEAR CODES AND STANDARDS AWARD**

<p><u>Helen Mearns</u>, Member 500 Piperton Ct. Aberdeen, MD 21001-3133</p>	<p>For over 28 years of dedicated service to the Committee on Nuclear Air and Gas Treatment as a technical expert, providing significant contributions to the expansion and improvement of AG-1, and for continued leadership as Chair of the Standards Committee</p>
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**WILFRED C. LAROCHELLE CONFORMITY ASSESSMENT AWARD**

<p><u>Michael L. Turnbow</u>, Member 7790 Sawyer Pike Signal Mountain, TN 37377</p>	<p>For instrumental work in the establishment of the ANDE-1 Standard for personnel certification</p>
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**GUSTUS L. LARSON MEMORIAL AWARD**

<p><u>Devesh Ranjan</u>, Ph.D. Georgia Institute of Technology Peterson Regents Prof. &amp; President Emeritus 771 Ferst Drive NW Atlanta, GA 30032</p>	<p>For outstanding achievements in mechanical engineering within 10 to 20 years following graduation</p>
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**H.R. LISSNER MEDAL**

<p><u>Boris Rubinsky</u>, Ph.D., Fellow Department of Mechanical Engineering University of California Berkeley 6124 Etcheverry Hall Berkeley, CA 94720</p>	<p>For the development and invention of numerous medical technologies and devices used to treat tens of thousands of patients world-wide, including imaging-monitored multiprobe cryosurgery, MEMS-based micro-electroporation, non-thermal irreversible electroporation, and non-contact detection of internal bleeding with electromagnetic fields</p>
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**MACHINE DESIGN AWARD**

<p><u>Shapour Azarm</u>, Ph.D., Fellow University of Maryland College Park Department of Mechanical Engineering 2155 Glenn L. Martin HI Bldg 088 College Park, MD 20742</p>	<p>For contributions to research and applications in design optimization of engineered systems with multiple objectives, subsystems, uncertainties, and market implications; for education of next generation of mechanical design engineers; and for leadership and service in design engineering</p>
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**CHARLES T. MAIN STUDENT LEADERSHIP AWARD**

**GOLD**

<p><u>Sajon Seaberg</u>, Member 6410 W. 145<sup>th</sup> St. Overland Park, KS 66223</p>	<p>For outstanding contributions to the development and expansion of Purdue's ASME Student Section through the creation of five design teams, Computer-Aided Design and Finite Element Analysis Training, and to the Fundamentals of Engineering Exam Preparation Program and impactful leadership throughout the Purdue community</p>
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**SILVER**

<p><u>Samuel Gibson</u>, Member 47414 Cardinal Pl. Harrisburg, SD 57032</p>	<p>For promoting the growth of the University of Nebraska – Lincoln ASME Student Section from four to two hundred members and aligning countless students with internships, research, and invaluable community partners, resulting in professional growth for all demographics</p>
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**MCDONALD MENTORING AWARD**

<p><u>Mary Frecker</u>, Ph.D., Fellow Pennsylvania State University Department of Mechanical Engineering 137 Reber Building University Park, PA 16802</p>	<p>For tailored mentoring of diverse groups of students, young academics, and industry professionals by being able to see unique qualities in others that they are not aware of, and guiding them in developing those qualities into career strengths</p>
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**M. EUGENE MERCHANT MANUFACTURING MEDAL OF ASME/SME**

<p><u>Dawn R. White</u>, Ph.D., Member Oak Ridge National Laboratory 1 Bethel Valley Road Oak Ridge, TN 37830</p>	<p>For innovation and commercialization of ultrasonic consolidation and for pioneering work in using novel sensor data to gain insight into manufacturing processes</p>
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**VAN C. MOW MEDAL**

<p><u>Alison L. Marsden</u>, Ph.D., Member Stanford University Clark Center E1.3 Stanford, CA 94305-5428</p>	<p>For outstanding and impactful scholarly work in pediatric cardiology, advancements in surgical care of children with heart defects, exemplary leadership within ASME and more broadly; and for serving as a role model for women in STEM</p>
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**NADAI MEDAL**

<p><u>Nancy Sottos</u>, Ph.D. Materials Science and Engineering University of Illinois-Urbana Materials Science &amp; Engineering Building 1304 W. Green St. Urbana, IL 61801</p>	<p>For pioneering contributions to the development of self-healing polymers and composites</p>
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**SIA NEMAT-NASSER EARLY CAREER AWARD**

<p><u>Lihua Jin</u>, Ph.D., Member Department of Mechanical and Aerospace Engineering University of California, Los Angeles Engineering Building IV 37-134 420 Westwood Plaza Los Angeles, CA 90095</p>	<p>For unraveling coupled non-equilibrium processes in stimuli-responsive soft materials to achieve programmable shape morphing and actuation, developing novel mechanical metamaterials for reusable energy absorption and reversible shape transformation and furthering understanding of the stretchability of electronic materials and devices</p>
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**BURT L. NEWKIRK WARD**

<p><u>Melih Eriten</u>, Ph.D., Member University of Wisconsin-Madison Mechanical Engineering Bldg. Room 2039 1513 University Avenue Madison, WI 53706</p>	<p>For experimental and modeling contributions of friction, adhesion, wear, and fracture in hard and soft material interfaces, including the understanding of cartilage interfaces; and for implementing interfacial processes to nonlinear structural dynamics</p>
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**RUFUS OLDENBURGER MEDAL**

<p><u>Davorin Hrovat</u>, Ph.D., Fellow Dept. of Mechanical &amp; Aerospace Engineering University of California San Diego 9500 Gillman Drive La Jolla, CA 92093</p>	<p>For outstanding contributions and leadership in applying modeling and control systems principles to the practice of automotive and aerospace engineering, resulting in the improved safety and performance of millions of vehicles and thousands of commercial aircraft worldwide</p>
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**DUANE P. JORDAN EARLY CAREER AWARD**

<p><u>Richard Clayton</u>, Member 8031 Sand Springs, Rd NW Albuquerque, NM 87114</p>	<p>For continued service to the ASME New Mexico section board and ASME nationally and continued volunteer work to his community commitment to K-12 STEM education</p>
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**OUTSTANDING STUDENT SECTION ADVISOR MEDAL**

<p><u>Parisa Saboori</u>, Ph.D., Fellow Dept. of Mechanical Engineering Manhattan College Riverdale, NY 10471</p>	<p>For major contributions to building strong connections between students and ASME through teaching, research, and as an ASME faculty advisor, serving as an enthusiastic role model to young engineers</p>
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**PERFORMANCE TEST CODES MEDAL**

<p><u>Joseph A. Silvaggio, Jr.</u>, Member Turbomachinery, Inc. 840 Nottingham Way Trenton, NJ 08638</p>	<p>For outstanding leadership, achievements, and contributions to ASME Performance Test Codes and related work for over 30 years, notably in the areas of pressure measurement, centrifugal pump testing, and compressor and exhaust testing</p>
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**PI TAU SIGMA GOLD MEDAL**

<p><u>Akanksha Menon</u>, Ph.D. Georgia Institute of Technology 771 Ferst Dr. NW Atlanta, GA 30332</p>	<p>For outstanding achievements in mechanical engineering within ten years of graduation</p>
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**CHARLES RUSS RICHARDS MEMORIAL AWARD**

<p><u>Robert O. Ambrose</u>, Ph.D. Texas A&amp;M University Mechanical Engineering Department 3123 TAMU College Station, TX 77843</p>	<p>For outstanding achievements in mechanical engineering for 20 years or more following graduation</p>
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**RALPH COATS ROE MEDAL**

<p><u>Winston Oluwole Soboyejo</u>, Ph.D., Fellow Interim President Worcester Polytechnic Institute 10 Blueberry Lane Northborough, MA 0153</p>	<p>For the development of fracture mechanics approaches to the prediction of fatigue and fracture in advanced structural alloys and composites; and for outstanding contributions to biomaterials and bio-inspired structures, materials for water filtration, and sustainable housing</p>
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**ROBERT M. NEREM EDUCATION AND MENTORSHIP MEDAL**

<p><u>Victor H. Barocas</u>, Member Department of Biomedical Engineering University of Minnesota 7-15 Nils Hasselmo Hall 312 Church St SE Minneapolis, MN 55455</p>	<p>For exceptional commitment to undergraduate and graduate education as a teacher, mentor, administrator, editor, and advocate for community and diversity in bioengineering</p>
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**SAFETY CODES AND STANDARDS MEDAL**

<p><u>Henry E. Peelle</u>, Member 5380 Gulf of Mexico Dr., Suite 105 Longboat Key, FL 34228-2048</p>	<p>For 25 years of leadership in the development and application of ASME elevator and escalator safety standards</p>
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**R. TOM SAWYER AWARD**

<p><u>Karen A. Thole</u>, Ph.D., Fellow Department of Mechanical Engineering The Pennsylvania State University START Lab, Room 148 3127 Research Drive State College, PA 16801</p>	<p>For expertise and sustained research, education, service, and leadership in the advancement of gas turbine technologies leading to improved aerodynamics and thermal efficiency</p>
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**MILTON C. SHAW MANUFACTURING RESEARCH MEDAL**

<p><u>Robert X. Gao</u>, Ph.D., Fellow Case Western Reserve University Dept. of Mechanical and Aerospace Engineering 10900 Euclid Avenue Cleveland, OH 44106</p>	<p>For significant contributions to the understanding of manufacturing process dynamics through multi-physics sensing and AI-driven data analytics</p>
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**RUTH & JOEL SPIRA OUTSTANDING DESIGN EDUCATOR AWARD**

<p><u>Shorya Awtar</u>, Ph.D., Fellow Precision Systems Design Lab University of Michigan 2350 Hayward Street GG Brown 1630 Ann Arbor, MI 48109</p>	<p>For inspiring hundreds of university students, industry engineers, and K-12 children to pursue mechanical engineering, design, and mechatronics; for the transformation of design and manufacturing curricula at the University of Michigan; and for mentoring university students and industry engineers in design, innovation, product development, and entrepreneurship</p>
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**SPIRIT OF ST. LOUIS MEDAL**

<p><u>Wayne Johnson</u>, Ph.D., Fellow NASA Ames Research Center Aeromechanics Office Mail Stop 243-12 Moffett Field, CA 94035-0001</p>	<p>For landmark advancements and contributions to vertical flight aeronautics, helicopter theory, and rotorcraft aeromechanics, and for developing computational codes that enabled the design of the first tiltrotor aircraft, eVTOL aircraft, and the Mars Helicopter Ingenuity</p>
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**J. HALL TAYLOR MEDAL**

<p><u>Steven Roberts</u>, Fellow Shell Corp. 3333 Highway 6 South Houston, TX 77082-3101</p>	<p>For significant and forward-thinking contributions to the development of Section VIII pressure vessel codes</p>
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**ROBERT HENRY THURSTON LECTURE AWARD**

<p><u>Ramamoorthy Ramesh</u>, Ph.D. University of California Berkeley 366 Physics North MC 7300 Berkeley, CA 94720-7300</p>	<p>For pioneering contributions to materials engineering and technological translation of functional materials within the energy framework; and for enthusiasm and leadership in conveying the importance of such work to a broad audience</p>
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**TIMOSHENKO MEDAL**

<p><u>Guruswami Ravichandran</u>, Ph.D., Fellow Dept. of Aerospace and Mechanical Engineering California Institute of Technology Mail Code 155-44 Pasadena, CA 91125</p>		<p>For pioneering contributions to the mechanics of engineering materials and biological systems, especially in extreme mechanical environments</p>
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**SAVIO L-Y. WOO TRANSLATIONAL BIOMECHANICS MEDAL**

<p><u>Tamara Reid Bush</u>, Ph.D. 428 S. Shaw Lane, Room 2555 Michigan State University E. Lansing, MI 48224</p>		<p>For innovative work in a range of biomechanical areas, including thumb biomechanics, tissue pressure, and shear stress in wheelchair seating positions, that have direct clinical application in improving patient outcomes</p>
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**HENRY R. WORTHINGTON MEDAL**

<p><u>Mehrdad Zangeneh</u>, Ph.D., Fellow University College London Dept. of Mechanical Engineering Torrington Place London, WC1E 7JE United Kingdom</p>		<p>For influential accomplishments in research and development of advanced numerical design and optimization methodologies for pumps, compressors, and other pumping machinery, and outstanding contributions in design technologies through worldwide industry-academy collaborations and technology transfer activities</p>
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**S.Y. ZAMRIK PRESSURE VESSEL AND PIPING MEDAL**

<p><u>Douglas A. Scarth</u>, Ph.D., Fellow Kinectrics, Inc. 800 Kipling Avenue Toronto, ON M8Z 5GS Canada</p>		<p>For pioneering work in development of flaw evaluation methods to support the structural integrity of nuclear plant piping, support of codes and standards development in these areas, and exemplary service to the ASME Pressure Vessels &amp; Piping Division</p>
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**LITERATURE AWARDS**

**BLACKALL MACHINE TOOL & GAGE AWARD**

<p><u>Xiao-Ming Zhang</u>, Ph.D. Huazhong University of Science and Technology Luoyu Road 1037 Wuhan, 430074, China</p> <p><u>Dong Zhang</u>, Ph.D. Huazhong University of Science and Technology Luoyu Road 1037 Wuhan, 430074, China</p> <p><u>Markus Meurer</u> Aachen University Steinbachstr. 19 Aachen 52074, Germany</p> <p><u>Thomas Bergs</u>, Ph.D. Aachen University Steinbachstr. 19 Aachen 52074, Germany</p> <p><u>Han Ding</u>, Ph.D. Huazhong University of Science and Technology Luoyu Road 1037 Wuhan, 430074, China</p>	<p>For the paper titled "Understanding Kinematics of the Orthogonal Cutting Using Digital Image Correlation—Measurement and Analysis"</p>
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**FREEMAN SCHOLAR AWARD**

<p><u>Theodore J. Heindel</u>, Ph.D., Fellow Iowa State University 2644 Howe Hall 537 Bissell Road Iowa State University Ames, IA 50011-1096</p>	<p>For the paper titled "X-raying Multiphase Flows"</p>
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**GAS TURBINE AWARD**

<p><u>Jinwook Lee</u> Ph.D., Fellow 5211 Pacific Concourse Dr. Apt 1226 Los Angeles, CA 90045</p> <p><u>Zoltán S. Spakovszky</u>, Ph.D., Fellow Gas Turbine Laboratory Department of Aeronautics and Astronautics Massachusetts Institute of Technology Cambridge, MA 02139</p> <p><u>Edward M. Greitzer</u>, Ph.D., Fellow Gas Turbine Laboratory Department of Aeronautics and Astronautics Massachusetts Institute of Technology Cambridge, MA 02139</p>	<p>For the paper titled "Effects of Surface Waviness on Fan Blade Boundary Layer Transition and Profile Loss-Part 1: Methodology and Computational Results"</p>
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<p><u>Mark Drela</u>, Ph.D. Gas Turbine Laboratory Department of Aeronautics and Astronautics Massachusetts Institute of Technology Cambridge, MA 02139</p> <p><u>Jérôme Talbotec</u> Safran Aircraft Engines Etablissement de Villaroche sud Rond-point Rene Ravaud-Reau 77550 Moissy-Cramayel CEDEX France</p>		
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**EDWARD F. OBERT AWARD**

<p><u>Phillip Dyer</u> Dynerics, Inc. 1002 Explorer Blvd Huntsville, AL 35806</p> <p><u>Griffin Smith</u> University of Alabama-Huntsville 320 Sparkman Drive Olin B King Technology Hall, Rm N262 Huntsville, AL 35899</p> <p><u>George Nelson</u>, Ph.D. Dynerics, Inc. 1002 Explorer Blvd Huntsville, AL 35806</p>		<p>For the paper titled “Exergy Analysis of Photovoltaics Coupled with Electrochemical Energy Storage for Lunar Power Applications”</p>
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**MELVILLE MEDAL**

<p><u>Xue Feng</u>, Ph.D., Member Center for Flexible Electronics Tech. of THU Tsinghua University Beijing 100084, China</p> <p><u>Yinji Ma</u>, Ph.D. Center for Flexible Electronics Tech. of THU Tsinghua University Beijing 100084, China</p> <p><u>Heling Wang</u>, Ph.D. Center for Flexible Electronics Tech. of THU Tsinghua University Beijing 100084, China</p> <p><u>Ying Chen</u>, Ph.D. Institute of Flexible Electronics Tech. of THU Jiaxing, Zhejiang 31 4000, China</p> <p><u>Hairui Wang</u>, Ph.D. Center for Flexible Electronics Tech. of THU Tsinghua University Beijing 100084, China</p> <p><u>Chen Wei</u> Dept. of Mechanical and Aerospace Engineering University of California Los Angeles Los Angeles, CA 90095</p>		<p>For the paper titled “Tunable Three-Dimensional Vibrational Structures for Concurrent Determination of Thin Film Modulus and Density”</p>
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<p><u>Yao Zhang</u> Center for Flexible Electronics Tech. of THU Tsinghua University Beijing 100084, China</p>		
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**WORCESTER REED WARNER MEDAL**

<p><u>David L. McDowell, Ph.D., Fellow</u> Georgia Institute of Technology Paden Distinguished Chair in Metals Processing 4511 MRDC Atlanta, GA 30332-0405</p>		<p>For over 30 years of foundational contributions to the permanent literature of engineering in development of multiscale metal plasticity theory and modeling that supports the design of structures and materials in engineering applications</p>
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**ASME Board of Governors**  
**Agenda Item**  
**Cover Memo**

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**Date Submitted:** May 15, 2023  
**BOG Meeting Date:** June 4, 2023  
**To:** Board of Governors  
**From:** Committee of Past Presidents  
**Presented by:** Leila Persaud, Manager Honors & Fellows  
**Agenda Title:** CY 2022 Fellows Listing

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Attached for information is the listing of ASME Fellows elected in CY 2022.

**Proposed motion for BOG Action:** None

**Attachment:** Yes

**2022 ASME Fellows**

Subramanyaravi Annapragada	Yaguo Lei	Bruce Tai
Daniel Armanios	Lin Li	Callie Tourigny
Roberto Ballarini	Zong-Ming Li	S. Vengadesan
Michael Barringer	Jun Li	José C. C. Veiga
Amy Betz	Feng Liu	Lawrence Virgin
Onur Bilgen	Peter Loutzenhiser	Damian Vogt
Alan Bowling	Kevin Lowe	Melissa Wadkinson
Emily Boyd	Mark Lower	Lulu Wang
Francesco Bullo	Nanshu Lu	Ya Wang
Markus Bussmann	Jianfeng Ma	Charla Wise
Brendan Chan	Guru Madhavan	Andrew Wojtanowic
James Chen	Amy Marconnet	Keith Woodbury
Sanjay Chopra	Michael J. Martin	Yunjun Xu
John Clark	Ashlie Martini	Pablo Zavattieri
Carlos Coimbra	Raju Mattikalli	Lijie Grace Zhang
Manuel Collet	Jimmy Meyer	K. Max Zhang
Juan Carlos Jauregui Correa	Atef Mohany	Song Zhang
Peter Cummings	Monica Moman-Saunders	Sulin Zhang
Peter De Bock	Ala Moradian	Bradley Zigler
Chip Eskridge	Michael Mueller	
Kenneth Fischer	Michael Murphy	
Eric Freeman	Goldie Nejat	
Umesh Gandhi	Chetan Nikhare	
David Gross	Scott Nokleby	
John Grubb	Thao Nguyen	
Rasim Guldiken	Farzan Parsinejad	
Richard Hallman	Jorge Penso	
Guangbo Hao	Patrick Phelan	
Marwan Hassan	Dawn Phillips	
Harish Hirani	Kishore Pochiraju	
Marc Horner	Vicki Risinger	
Keith Hottle	Giorgio Rizzoni	
Qiang Huang	Carlos Romero	
Parsaoran Hutapea	Melanie Sarzynski	
Susan Ipri Brown	Dirk Schaefer	
Ankur Jain	Fabio Semperlotti	
Y. Sungtaek Ju	Lian Shen	
Jim Kaculi	Ralph Smith	
Robert Keating	Sibendu Som	
Bart Kemper	Paul Sturgill	
Yashashree Kulkarni	Philippe Sucusky	
Subha Kumpaty	Dong Sun	

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

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**Date Submitted: May 15, 2023**  
**BOG Meeting Date: June 4, 2023**  
**To: Board of Governors**  
**From: Various Units/Sectors**  
**Agenda Title: Unit/Committee Reports to the Board**

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**Agenda Item Executive Summary:**

Attached are the following reports to the Board, highlighting the top accomplishments and other pertinent information:

- Auxiliary
- Committee on Honors (COH)
- Committee on Organization and Rules (COR)
- Committee of Past President's (CPP)
- Diversity, Equity and Inclusion Strategy Committee (DEISC)
- History & Heritage Committee (H&H)
- Industry Advisory Board (IAB)
- Member Development and Engagement Sector (MDE)
- Philanthropy Committee
- Public Affairs and Outreach Sector (PA&O)
- Scholarship Committee
- Standards and Engineering Services (SES) – Engineering Operations
- Standards and Engineering Services (SES) – Standards Operations
- Student and Early Career Development Sector (SECD)
- Technical and Engineering Communities Sector (TEC)
- VOLT Academy

**Proposed motion for BOG Action:** For information only.

**Attachments:** Reports attached.

**Report to the Board**  
ASME Auxiliary  
November 2022 - June 2023

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The Auxiliary will award \$200,000.00 in scholarships for the 2024 academic school year. The Scholarship Committees were provided the Diversity, Equity and Inclusion Toolkit. We had the ability to select an even distribution of females and males.

- a. Ten (10) High School Scholarships
  - i. One (1) Prefers not to self-describe
  - ii. Seven (7) Females / Two (2) Males
- b. Eleven (11) Undergraduate Scholarships
  - i. Four (4) Females / Seven (7) Males
  - ii. Four (4) First Generation Students
  - iii. Two (2) Student Section Chairs
  - iv. One (1) Student Section Treasurer
  - v. Two (2) Students active members for two plus years
- c. Five (5) Graduate Scholarships
  - i. One (1) Female / Four (4) Males
  - ii. Two (2) First Generation Students
- d. Four (4) International Scholarships
  - i. Two (2) Females / Two (2) Males

The Auxiliary's loan program awarded one (1) \$10,000.00 loan in January 2023.

Discussions regarding the future of the Auxiliary have been initiated.

**Other information:**

The Auxiliary will be celebrating their 100<sup>th</sup> Anniversary during the opening reception at the Annual Meeting in St. Louis, MO.

The C-A-M Ohio Section will be closing down its chapter at the end of FY 2023.

**Report to the Board**  
Honors & Awards  
October 2022 – June 2023

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**Top Key Accomplishments**

Executive Summary

**1. Program Effectiveness**

Awardees

The Committee on Honors (COH) effectively approved 79 awards in FY23. The listing of awards are referenced in a separate report to the BOG.

Award Funding

COH continues to monitor the award funds and identify those awards that have excess income over expenses to determine a method of enhancing the awards and raising the award profile.

New Society-Level Award Establishment

COH approved the establishment of the Zdeněk P. Bažant Medal as submitted to the BOG.

Rules of Award

COH continued its triennial review of the rules of award to ensure that the procedures outlined in the document reflect those of the award committees. This ongoing activity helps to identify areas of concern to be addressed, as well as to provide the Committee and special award committees the opportunity to provide relevant feedback.

Best Practices

A set of best practices was developed to help the Special Awards Committees streamline their nomination process to present to COH.

Staff Support

The Committee was very satisfied with the staff support.

**2. Diversity, Equity and Inclusion (DEI)**

Awards Committees Membership

COH continues to promote ASME's DEI Mission; 47% of the COH and the General Award Committee membership is from underrepresented groups.

COH requested that all the Special Awards Committees document their efforts to actively seek nominations of qualified underrepresented candidates for the various Society Awards.

Award Recipients

In COH's continuing efforts to increase diversity, this year 26% of the 79 awardees are female, or from an underrepresented group.

**Report to the Board**  
Committee on Organization and Rules  
October 2022 – June 2023

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In support of ASME's DEI initiative, COR now looks at the composition of the ASME units that results from new appointments that the Committee recommends to the Board of Governors.

COR also approved the Model Statement for a Diverse, Equitable, and Inclusive ASME Leadership that appears as an appendix to all unit operation guides.

COR reviewed By-Laws on the Standards and Certification Sector, Member Development and Engagement Sector, History and Heritage Committee, Nominating Committee, Old Guard Committee, Scholarship Committee, and the proposed Committee on Sustainability.

The Committee reviewed Society Policies on Scholarships, Senior Vice Presidents, Student Membership and Student Sections, and Volunteer Appointments to Non-Elected Positions.

The Committee did a complete review of the Nominating Committee, Technical and Engineering Communities, and its own Operation Guides.

The Committee reviewed fifteen appointments and reappointments and made recommendations to the Board of Governors.

It needed to invoke for the first time the recently approved change to Society Policy P-4.4 when a recommendation came to appoint an individual to a second Committee Reporting to the Board of Governors who was already serving on a Board Committee.

**Priorities for 2023-2024:**

COR will be asking all of the units in FY24 to review their Society Policies that have not been updated in the past six years, as required by Society Policy P-1.1.

COR will be considering a change to Society Policy in FY24 to provide more detail to Society Policy P-1.5 on how By-Law amendments flow up to COR.

COR will be finalizing its guidance to the Sectors in FY24 on how procedures for their nominations for alternates to the ASME Nominating Committee and their own Senior Vice Presidents, Members-at-Large and, if applicable, Vice Chairs are documented in their operation guides.

COR will be creating an onboarding process and orientation materials for new COR members.

**Other information:**

Robert Camp was thanked for his six years of service on COR.

Richard Marboe and Richard Swayne will join COR in July.

Emily Boyd will serve another term as the COR Chair for FY24.

**Report to the Board**  
Committee of Past Presidents (CPP)  
November 2022 - June 2023

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In Calendar Year 2022 and in support of ASME's DEI activities, 19 of the 103 new Fellows were women, or 18 percent. This is a significant improvement over the former all-time high of 11 percent in Calendar Years 2020 and 2021. Prior to that, less than 10 percent of new Fellows were women.

Based on the metrics above, the CPP will continue to address positive steps that can be taken to improve the diversity of the Fellows program.

Many past presidents are engaged with other ASME committees.

- Terry Shoup has completed his term on the Committee on Honors. Victoria Rockwell will be joining the Committee on Honors in July as a member.
- Said Jahanmir continues the Committee on Organization and Rules.
- In June, Bob Sims is completing his term as Chair on the Fellows Review Committee and Victoria Rockwell will start a three-year term as a member.
- Keith Roe is the Chair of the Philanthropy Committee and Terry Shoup is a member.
- Sue Skemp, Charla Wise and Rich Laudenat are on the Ethics Committee. Sue Skemp will be completing her term as Chair in June. Charla Wise will be the new Chair and Rich Laudenat will be the Vice Chair.

Charla Wise will be completing her term as the Committee of Past President's Chair in June and Said Jahanmir will be the next Chair.

**Challenges:**

1. Finding ways to improve the diversity of Fellows recognition program is a challenge.
2. Discussions continue on tasks that the CPP can lead and/or take on to ensure the knowledge and the experiences of the past Presidents continues to be acknowledged and value-added throughout the Society.

**Other information:**

The Ethics Committee reports to the CPP. CPP is reviewing future directions for ethics education within ASME.

## **Report to the Board**

Diversity, Equity, and Inclusion Strategy Committee  
October 2022 – June 2023

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The DEI Strategy Committee has been working on refreshing and updating the DEI Toolkit on asme.org. During the year after the DEI Toolkit launch, the committee focused on informing volunteer groups about the Toolkit; this year, the committee is focused on enhancing it.

Three new resources have been developed and will be added to the Toolkit by the end of the current fiscal year:

- Succession Management Plan with a DEI Component
- Tips for Inclusive and Accessible Meetings
- Using Rubrics to Create Fair Assessment Processes

The committee has also created several new DEI Moments this year, and more are still in development. The new DEI moments include “evergreen” moments on Disability and Generational Bias, as well as DEI Moments that are tied into DEI observations, including Black History Month, Women’s History Month, and LGBTQ+ History Month.

The committee plans to begin outreach and promotion around the DEI Toolkit this summer, once the new resources have been added, and to develop a video guide on how to use the DEI Toolkit.

Additional Information:

At its April meeting, the committee selected Alma Martinez Fallon as the new Chair-Elect, with a 3-year term as Chair beginning in FY25.

**Report to the Board**  
History and Heritage Committee  
October 2022 – June 2023

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The History and Heritage Committee, chaired by Virginia Ross, has been engaged in a review of its operations and objectives with the H&H review team lead by: President Karen Ohland, Tom Costabile, Tom Kurfess, Nicole Kauffman Dyess, Allian Pratt and the new staff support for the committee, Karen Russo.

A first reading of the new Bylaws was submitted to the FY23 BoG to have the committee report to the Board of Governors. After the final approval of the Bylaw change, the Board will begin the review of the Operating Guide to include the membership of the committee.

The review team worked with the H&H committee on a few key items in the interim:

- An FY24 budget and identified several potential landmarks for recognition.
- The committee recognized that the ASME community must prioritize diversity, equity, and inclusion initiatives, and are working to identify other significant achievements and inventions that align with this goal of recognizing and celebrating the contributions of engineers from all backgrounds and fields.
- The Lensometer designation was held at the Optical Heritage Museum in Southbridge, Massachusetts. Martin Ross, representing the Connecticut section, presented the landmark plaque to Dick Whitney, the Executive Director of the Optical Heritage Museum.
- Banner ads are being created for the Engineering and Technology History Wiki (ETHW), a collaborative effort between ASME and IEEE to showcase ASME's work and engineering achievements. Expansion of these banner ads by linking them to other areas of the organization including ASME's Sustainability and DEI pages is being researched. These banner ads are intended to raise awareness around engineering.
- A crocodile landmark video was produced for the H&H Landmark page of ASME.org, which aims to promote ASME's Landmark program and attract more engineers to join its ranks.
- Work will begin to revamp the H&H social media pages so that they align with the H&H goals and objectives.

**Report to the Board**  
Industry Advisory Board  
October 2022 – June 2023

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The Industry Advisory Board (IAB) is continuing to hold a series of meetings on sustainability in the engineering industry to help ASME shape and refine its sustainability strategy and goals. The November 15-16, 2022 meeting, held in Jacksonville, Florida, discussed recent updates of evolving technology around sustainability in various key industries, and helped ASME gain insights into our IAB members' sustainability goals and challenges for their respective industries and organizations. The April 24-25, 2023 meeting, held in Washington, D.C., focused on the role of hydrogen in clean energy. Representatives from the U.S. Department of Energy (DOE) Hydrogen and Fuel Cells Technologies Office keynoted the event and outlined the Biden Administration's goals for a hydrogen economy, as well as asked for ASME's feedback on hydrogen-related standards. ASME is in the process of following up with DOE. Corporate travel restrictions affected a few IAB companies' attendance at each in-person meeting.

Dr. Mark Palmer, formerly of Medtronic, has joined Ansys as the Chief Technology Officer for Healthcare. He will replace Dr. Marc Horner as the Ansys IAB representative. The IAB Executive Committee is also seeking to add 1-2 companies over the next year.

The date and location of the IAB fall 2023 meeting is being discussed and will be announced soon.

**Report to the Board**  
Section Operations  
October 2022 – June 2023

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The Section Operations team strives to find solutions to challenges our section volunteers face, especially in this post-pandemic environment. A major challenge for sections is the disconnect of students with local professional sections and ASME. In November, we introduced a new pilot, Student Leader Weekends (SLW), four regional, in-person meetings for student leaders from multiple universities in the local area surrounding the event. Over 150 students and 7 advisors from 43 universities attended the four meetings. As a result, participating schools saw student activities and reporting increase 200%, multiple students volunteered to be Ambassadors for new program, several have begun relationships with their local professional section, and we note that student membership numbers in states included in the pilot have stabilized. We introduced a new interactive Discord platform at the events and now have over 300 students actively participating. Recently, a young man who attended our Dallas event joined us for a meeting to launch the new DFW professional section and stepped up to be a leader of the new group. The success of the pilot is so encouraging that 10 new events are being planned for 2024 and the team has committed to raising \$50,000 to supplement the budget.

At the sector event, SLNE, volunteers' primary concern was planning events, especially new more appealing activities, as they rebuild post pandemic. In response to their concern, the team developed nine Events in a Box for volunteers. The kits give a step by step, month by month outline for each new event with a checklist for section volunteers to follow. Events include, a headshot night, trivia night, food bank partnership, beach/park clean up, end of year celebration and more. Of particular interest was feedback we got from both early career and student members that they wanted more casual social activities, and they wanted community involvement activities to make their local areas "better" because we are there. Recently, a group of members hosted a headshot event (both students and professionals attended) and as a result they have established a new leadership team and are planning their next event for September with the local student section.

The sector is excited that the team's efforts are now reflected in the TEC KPI report for the Board, and it clearly shows improved touchpoints and expanded reach with volunteers. Of particular interest is the continued use of the section website with nearly 25,000 page views and over 3600 new users since October.

Finally, the team has been visiting local sections to reestablish connections and to support their local events. Since October, we have made over 30 face-to-face visits to meet with, discuss issues and attend events in support of the local leaders. Additionally, the team has hosted 7 events with ASME members to explore establishing new leadership teams in key markets including Dallas/Fort Worth, San Diego, Denver, and several others. Each of these dinners/luncheons has resulted in fledgling leadership teams deciding to establish a section with plans to launch their new events in September of 2023. The success of the team's efforts can be summarized by a local volunteer in San Diego. *"I have been a member for over 20 years and in all my time in my role, no one has come to us from 'National' and talked with us, listened to us and really made us feel supported. Thank you for this kind of attention."*

**Report to the Board**  
Philanthropy Committee  
October 2022 – June 2023

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- **DEI/Fundraising:** Hosted an April 27 gala in Washington, D.C., for more than 230 educators, next generation engineers, and STEM leaders—largely from the African American professional community—significantly expanding a largely untapped pool of annual and major giving potential donors/stakeholders. The event generated 25 first-time African American donors to the new Dr. Gwendolyn E. Boyd Endowed Scholarship Fund for Equity in Engineering; 65 prospective donors added to the Foundation pipeline; 7 new major gift prospects.
- **Government Grants:** (Past several months)
  - Three (3) Federal Grant proposals submitted: one National Science Foundation for LGBTQ Inclusivity in Engineering; and two U.S. Department of State, Consulate in Mumbai, India, for Efx and E4c Fellows, all still pending
  - Supported Grant Proposals from other ASME business units: two (2) SES/standards engineering research—NIST (Grit Blasting and Plant Probabilistic/ Standards)
  - Submitted seven (7) one-page concept notes (NFS/NIST), Efx potential grant application; (2) National Science Foundation ITEST and DR K-12 AI
  - Developed and presented government grant business case to Operations Team (May 2023)
- **Scholarships:** Launched the establishment of the Dr. Gwendolyn E. Boyd Endowed Scholarship Fund for Equity in Engineering, raising approximately \$40,000 toward our \$50,000 endowment goal earmarked for students of color, women, and others from underserved groups
- **India:** Participated in India Innovation Week through corporate engagement and sponsorships, and supported groundwork for Philanthropy infrastructure in India.
- **Significant Gifts:** Secured \$800,000 grant from ECMC Foundation to advance ASME’s community college workforce development initiatives. Dramatically increased donations from Autodesk and ComEd and deepened engagement in our engineering education, workforce development and sustainable innovation programs
- **Corporate Donor Engagement:** Made significant progress toward securing major gifts from industry leading companies, including GE Healthcare and Westinghouse, all in the process of being cultivated to make a leadership investment in years four and five of the Campaign for Next Generation Engineers

**Opportunities**

- Continue to improve our data collection and management systems seeking increased excellence and efficiency, including greater use of Salesforce and integration of the Airtable platform for operations management. Restructured Philanthropy staff team and structure to further accelerate operational efficiencies and data stewardship.
- Completed an end-to-end inventory of our “customer” experience for our different constituencies; identified opportunities for improved functionality and communications.
- Continuously update, improve, and aggressively leverage digital platforms, such as the Foundation website, while utilizing extensive personal communications in our donor cultivation.
- Enrich our storytelling with new marketing assets including short videos for use on all our owned platforms.
- Continue to cultivate a department culture that works seamlessly across ASME business units to share information, resources, and connections.

**Report to the Board**  
Public Affairs & Outreach (PAO) Council  
October 2022 – June 2023

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The PAO Council met in-person in March 2023, for the first time since the start of the pandemic, in conjunction with the Mechanical Engineering Education (MEEEd) conference in Puerto Rico and had the opportunity to review unit achievements within the Sector. In summation, ASME's outreach programs enjoyed continued and sustained success. Under the Committee on Government Relations (CGR), ASME influenced policymakers within Congress, the White House Office of Science and Technology Policy (OSTP), and Departments of Commerce, Defense, Energy, and State—through briefings, op-eds, and private meetings. ASME placed three 2022-2023 Congressional Fellows, one Advanced Manufacturing-NIST Fellow, and created a new "Engineering and Diplomacy Fellowship" with the State Department. Other achievements appear in the *Capitol Update* newsletter and *ASME Gov Relations* Twitter account, including coverage on the recent *Policy Impact* program, which reached 130+ attendees and facilitated meetings with 50+ Congressional offices.

Within ASME's Committee on Engineering Education (CEE) and Pre-College Education (K-12 STEM) Education Committee, ASME continues to engage university and K-12 faculty/student stakeholders. ASME's INSPIRE program, providing free engineering content for K-12 schools (most of them low-income/Title 1), has reached 335K+ students. MEEEd in Puerto Rico attracted 110 faculty who highly rated the summit's focus on workforce development, emerging technologies, alternative curricula, and other post-COVID transformations. Another MEEEd, in Bangalore, India, was co-located with ASME's Innovation Showcase (ISHOW) and Efx, and attracted 420+ attendees, including the chair of the Indian Space Research Organisation (ISRO).

Finally, ASME's Engineering Global Development (EGD) Committee expanded the caliber of the organization's premier hardware accelerator, workforce development programs, and sustainable development thought leadership. The ISHOW, now in its ninth year, hosted a regional event in Bangalore and selected three impactful social ventures to join the ASME ISHOW 2023 cohort. Each venture was awarded a \$10,000 seed grant and will be invited to participate in the ASME ISHOW Bootcamp later this year. This process will apply to applicants in Kenya and the U.S. in the coming weeks. Workforce development programming advances were also made via the Engineering for Change (E4C) Fellowship program. E4C welcomed 65 Fellows from 25 countries to the mid-year cohort, to work on 44 projects with partners worldwide. The EGD Committee continued advocacy efforts by building on the successful EGD Stakeholder Summit with the publication of the complementary academic paper in the *Sustainability* journal ("Advancing Sustainable Development: Emerging Factors and Futures for the Engineering Field"), as well as an E4C policy brief supporting the UN's Multistakeholder Forum on Science, Technology, and Innovation (STI) Forum for the Sustainable Development Goals.

With these programmatic successes as a backdrop, the PAO Council will continue to seek qualified volunteer leaders, ideally with insight into the workings of industry, academia, and/or government. Having onboarded a key Member-at-Large (who previously served in Virginia's Cabinet as the Secretary of Administration), PAO will look for two new Members-at-Large and a Senior Vice President-Elect for FY2024 with preference for interdisciplinary experience.

**Report to the Board**  
ASME Scholarship Committee  
October 2022 – June 2023

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**Evaluator Feedback:** Independent evaluators are a critical part of the Scholarship application down-selection process. Nearly 60 evaluators joined the rounds 1 & 2 review process this year. We held a 2-day focus-group discussion with scholarship evaluators to review the process and made several adjustments to better calibrate scoring and improve overall selection outcomes.

**Strategic Roadmap:** The committee conducted a strategic planning session in Q3 to prioritize and roadmap (near and long-term) goals for Alumni Engagement, Fundraising, DEI and Community College programs. Dr. Davis, from Valencia College joined the committee as an MAL to help better inform the Community College strategy.

**New Collaborations:** An agreement with SHPE was established to collaborate (providing more awareness among their membership about the ASME/SHPE scholarships) as well as provide \$5,000 per year over the next three years (2022-2025) to award the ASME/SHPE scholarships to both undergraduate and graduate students. Additionally, MOU's were established with oSTEM and Out-to-Innovate to increase our reach to LGBTQ+ scholarship applicants interested in pursuing mechanical engineering.

**Challenges:**

1. **Growing the Active Volunteer Base:** Now that we have identified near and long-term goals, we need to prioritize and determine how to approach the implementation process over a 6-month, 12-month period and beyond. Recruiting and effectively enabling active volunteers to serve on subcommittees continues to be a challenge.
2. **Completed Application Conversion rate:** Although our total applications submitted are increasing each year, the conversion rate of student applicants completing the ASME scholarship application has not changed much, around 24%. We plan to further investigate this matter so we may improve the completion rate.

**Other information:**

We are seeking to engage other affinity groups like SWE and NSBE to further expand our reach to diverse communities and continue to diversify our applicant pool.

## Report to the Board

Engineering Operations (Standards & Engineering Services)  
October 2022 – June 2023

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### Retention

Certification and Accreditation are trending at a higher retention rate for its Certificate Holders this fiscal year compared to previous years. We are currently at an 84.1% retention rate which is 4.6% better than last year. This is attributed to many factors, including working with marketing operations to automate renewal emails and allowing staff to spend more time with Certificate Holders experiencing complications with renewal applications. Additional information can be found on the KPI Slides.

### Update on Products and Programs

- *Quality Program for Suppliers (QPS)* – The QPS Standard and its Certification program have been developed as a supplement to technical standards that do not have a dedicated section that addresses quality and their requirements. Applying QPS to these standards will enhance the quality of items supplied to the general industry. The first QPS audit is being conducted in Italy.
- *Bioprocessing Equipment (BPE) Certification* - Products manufactured under the ASME BPE Certification Program have been created in adherence to the ASME BPE standard, "Bioprocessing Equipment." This standard provides the requirements for the design of equipment used in the bioprocessing, pharmaceutical, and personal-care products industries, as well as for other applications with relatively high hygienic requirements. When the program was first launched, it only covered tubing and fittings. Since the recent publications, the components have been expanded to include seals and gaskets.
- *Nuclear Component Certification* – The program has been expanded to include two new nuclear certifications,
  - G – Design of Graphite or Composite Core Components and Assemblies
  - GC – Construction of Graphite or Composite Core Components and Assemblies
- *Conformity Assessment Requirements (CA-1)* – A new edition was published in February. This Standard specifies the requirements for certification and accreditation of organizations supplying products and/or services that are intended to conform to ASME codes and standards, when the organization's quality management system is required to be audited by ASME. The major update in this edition was the revision to include BPV Section XIII Overpressure Protection.

### Personnel Certification

The Geometric Dimensioning and Tolerancing Professional Certification (GDTP) website was recently (March 20) redone as part of the Credential workstream of the Customer Experience initiative. Early indications of traffic hitting the page and analysis being completed are promising, as there was an overall increase in sessions, page views, users, new users, and time on the page. We will continue to monitor this activity and provide an update in the next report.

## Report to the Board of Governors

Standards Operations (SES)

October 24, 2022 – June 3, 2023

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- Portfolio Assessment – Supporting ASME’s Wfx “Portfolio Rationalization and Sunsetting (“PRS”) initiative, Standards Operations refined its process for uniform evaluation of its products and assessed 59 standards products in terms of market and mission value and impact, with respect to resources invested.
- 18 New and Revised Standards – Prominent examples of new and revised standards released 10/24/22 – 6/3/23 include: • B31.1 Power Piping, • B31.3 Process Piping, • OM-2022, Operation and Maintenance of Nuclear Power Plants, • VVUQ 1-2022, Verification, Validation, and Uncertainty Quantification Terminology in Computational Modeling and Simulation (New), and • BPE Bioprocessing Equipment (Portuguese translation) (New)
- ANSI approved the reaccreditation of ASME under our recently revised Standards Operating Procedures (Revision 19) effective February 7, 2023. This milestone reflects the substantial work by our internal team to incorporate procedure enhancements identified through years of staff and volunteer consideration. All standards development committees will have until August 7, 2023 (6 months from the ANSI approval) to come into compliance with the new Operating Procedures.
- Standards sales packages developed to address climate change and sustainability, including packages for Small Modular Reactors, and Hydrogen for a green economy, and Energy Assessment
- SES Gender Inclusive Language Guidance Plan and corresponding addition of “Personal Pronouns Guidance” to the ASME Writing Style Guide; both issued in November 2023.
- Final-stage production work to issue the 2023 edition of the Boiler and Pressure Vessel Code, which includes a new standard: Section III, Div. 4 for Fusion Energy Devices.

### ASME Outreach

- New B31.12 (Hydrogen Piping and Pipelines) Europe-wide International Working Group launched Feb. 2023 with 26 members based in Belgium, France, Germany, Italy, Ireland, Norway, Spain and U.K.
- International Energy Agency’s HyNE (Hydrogen from Nuclear Energy) Task 44 Group -Standards Operations staff was accepted as a participant; ASME is the only SDO represented.
- Standards Operations participation and staff speaking roles at stakeholder events:
  - Hyvolution Conference for hydrogen for mobility, energy and manufacturing (Paris, France)
  - MechE’s Pressure Systems in Nuclear New Build seminar (Bristol, U.K.)
  - (Nuclear) SDO Convergence Board meeting (Paris, France)
  - ANSI – European Standards Organization meeting (Brussels, Belgium)

### Challenges:

- Mitigation of initiative by the European Commission to remove normative references to ASME and other non-European standards from EN standards. Standards Operations collaborated with ANSI, US-DOC and our ASME European staff liaison to register our concerns regarding the initiative’s consequences for safety and commerce.

### For information:

- ASME SES Research has submitted several proposals intended to secure grant funding and net revenue to ASME for the delivery of significant technical content supporting ASME standards. If approved, these 4 grants would fund between \$2.1M and \$2.4M in research at no cost to ASME, at least 4 new products, and between \$288K and \$338K in net revenue to ST-LLC to offset future ASME research expenses.

**Report to the Board**  
**Student & Early Career Development Sector (SECD)**  
Oct 2022 – June 2023

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**Student Programs: Continuing to build digital brand for student programs (E-Fests) while re-engaging students on in-person programs (EFx) around the world**

E-Fest Careers (Q2) had a 34% show rate (vs our prior avg 19%) and was comprised of 23% females (vs 19%) with over 1,000 attendees participating (our highest attendance). E-Fest Digital (Q3) had softer attendance likely due to competing in-person events, however, our four 100% digital competitions continue to grow with over 200 student participants and continue to pilot metaverse-like delivery models.

EFx events officially re-launched as in-person events beginning in December 2022. ASME hosted a total of nine events in five countries with nearly 1,800 student attendees. EFx events are executed in a highly federated manner with the ASME Student Sections taking on most of the local organizing and ASME International supporting with event stipend and competition prize money. EFx's are helping to revitalize student sections around the world and concurrently build a pipeline of student members.

**Early Career Programs: Continue to build digital programs and communities for Early Career Engineers (ECE's) globally**

- FutureME social media following has increased by almost 3000 members
- A beta version of the FutureME Platform launched in Q2, during E-Fest Careers
- ECE volunteer leadership met in Q4 to consider the impact of ChatGPT, Bard, and comparable tools and consider how ASME should position ECE oriented programs in a generative AI world
- FutureME will be pivoting from web-based tools to a personalized chatbot AI oriented approach to meet demands of rapidly evolving technology

**Fundraising and Sponsorship Summary** - The E-Fest brand continues to attract global sponsors such as Boeing and Altair and the EFx brand is attracting the interest of local sponsors who have a specific interest in geographic markets (ex. Autodesk for Bengaluru). Student programs are also supported through registration revenues and fundraising support.

**Challenges:**

1. The FutureME platform will begin to pivot to meet the reality of a new technological landscape driven by generative AI solutions. To be effective in this space, the platform will need to identify how it can add unique value to the student and early career experience that is not otherwise met through general purpose AI solutions.
2. ECE retention and engagement remains a challenge overall. Engagement with professional sections and technical divisions represents a significant opportunity to increase conversion and retention.

**Other information:**

E-Fest Careers will take place on September 23, 2023 as a global digital event. It will take place during Climate Week and will emphasize ASME's new Climate Strategy. The event will focus on how to build pathways to careers in Sustainability.

## **Report to the Board**

Technical & Engineering Communities (TEC) Sector  
October 2022 – June 2023

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The TEC Council held a strategic planning meeting at IMECE. Core values were discussed, and strategic objectives and goals were adopted. The Council has begun executing some of their top-level goals to improve communication and improve tools and resources offered to the groups under TEC. To save funds, the Council held the remainder of this fiscal year's meetings via Zoom.

With TEC's strategy complete, the Divisions and Research Committees were pushed to review their strategic planning, measures for defining their success, and conference best practices. Each has begun developing their own strategic plans with deliverables due by end of fiscal year 2023. The TEC Industry Engagement Task Force has been chartered to ensure we meet the needs of all our stakeholders by ensuring best practices throughout our conferences. A new conference planning guide for TEC is scheduled for FY24.

TEC conferences continue to make strides to ensure inclusiveness among committee members, keynote speakers, panelists, and other presenters in the conference programs. Staff and Division volunteers work together to intentionally recruit conference committee members and speakers from underrepresented groups. In addition, TEC conferences offer family support services by providing options such as reimbursement for childcare to conference attendees, mothers nursing rooms, and avoiding scheduling conferences over religious holidays.

### **Challenges:**

Competition for dollars in the company budgets of our attendees continues to be a challenge. We are working to ensure our attendees see ASME's technical conferences as their conferences of choice to motivate potential attendees to earmark their company budget funds for conference registration and travel.

Issues with wait times for visas, in both China and India, continue to be a challenge for authors from those countries.

### **Other information:**

Two members of the TEC Sector Council, serving partial terms, were renewed for full terms: Tom Lavertu, TEC Sector Vice Chair, and Damian Vogt, TEC Sector Member at Large.

**Report to the Board**  
VOLT Executive Committee  
October 2022 – June 2023

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**Volunteer Leadership Pathway**

The Volunteer Leadership Pathway (VLP) pilot is in year two. The VLP guides volunteers through a leveled progression for training, experience, and leadership development to enhance their preparedness as volunteers and professionals. The focus in the first two years of the pilot has been on mentoring, with 16 Mentee and 13 Mentor participants across the two years. In FY24, we will move into phase 2 of the pilot, which will take advantage of the new capabilities offered by the Community Engagement Center. The full program launch is dependent on Salesforce integration and the ability to track progress as part of a constituent record. Feedback from year one was overwhelmingly positive. Several participants moved into new roles in ASME after participating in the program. All mentors said they would be willing to serve again. Exit interviews for the current year will be conducted in June.

**Cross-Sector Collaboration Accelerator**

The Cross-Sector Collaboration Accelerator was offered as a virtual event for the third time in May 2023. This year's cohort includes 26 participants from across all five sectors, which is the highest number ever in the program. The content has been fully revamped for 2023, with updates to the asynchronous learning portion and a reformat for the small group work. The program continues to be a successful training ground for ASME volunteer leaders, with past participants currently serving as SVP or SVP-elect in all five sectors and on the Board of Governors.

**VOLT Leadership Workshop "Making It Easier to Talk About Race"**

In December 2022, VOLT offered a workshop open to all volunteers on "Making It Easier to Talk About Race," facilitated by Humera Fasihuddin of Stanford University's Hasso Plattner Institute of Design. The program was intended to support ASME's DEI goals and provide participants with tools they could use with their volunteer groups to facilitate conversations about difficult topics. Nearly 40 volunteers participated, and the workshop received an overall rating of 3.71/4.00 from those who completed the evaluation. 100% said they would recommend the workshop to other volunteers.

**ECLIPSE**

The incoming class of ECLIPSE interns for 2023-2024 program year was selected in March of 2023. Interns will be serving in each of the five sectors and on the Board of Governors. The current ECLIPSE class is working on a project around "Capturing the volunteer landscape at ASME to lower barriers to volunteerism." They have interviewed and/or surveyed dozens of current and former ASME volunteers to understand their volunteer pathways in ASME and their motivations for volunteering with the aim of helping to provide clear pathways for engagement to prospective volunteers, keeping loyal volunteers engaged, and creating a healthy pipeline of volunteers. The results of this project will be presented at the June 4 Board of Governors meeting. Leadership training for both classes of ECLIPSE interns will be held at the Annual Meeting.

**Community Engagement Center**

VOLT has remained informed of the Scoping the Community Engagement Center (CEC) workstream under the Customer Experience Transformation initiative. The CEC will be a destination for individuals to identify ASME engagement opportunities. VOLT is preparing to support the CEC pilot when it goes live this summer as it aligns with VOLT's mission and work.