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

**Hilton Columbus Downtown, Columbus, Ohio  
Pheoris West BC, Third Floor  
Sunday, October 30, 2022 – 9:00 am to 11:00 pm (EDT)**

**\*Breakfast: Charles Massey BC, Third Floor - 8:00 am – 9:00 am**

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

- 1.1. Call to Order  
Karen Ohland
- 1.2. President's Remarks (10 minutes) INFORMATION  
Karen Ohland
- 1.3. Executive Director/CEO's Remarks (10 minutes) INFORMATION  
Tom Costabile
- 1.4. 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.
  - 1.4.1. Recommendation of Campaign Spend by Philanthropy Committee
  - 1.4.2. Proposed By-Law Changes to B4.2, Nominating Committee
  - 1.4.3. Changes to Society Policy P-13.5, ASME Scholarship Programs
  - 1.4.4. Dormant Segregated Account Consolidation

**2. Open Session Agenda Items**

- 2.1. FY23 YTD Financial Report (10 minutes) INFORMATION  
Bill Garofalo
- 2.2. Climate Change Position Paper (30 minutes) INFORMATION  
Tom Costabile
- 2.3. Revenue Diversification and Digital Standards Update (20 minutes) INFORMATION  
Michael Johnson
- 2.4. Q1 Enterprise Goals Update (20 minutes) INFORMATION  
Jeff Patterson
- 2.5. Board Liaison Report – Scholarship Committee (10 minutes) INFORMATION  
Jared Oehring

**3. New Business**

**4. Open Session Information Items**

4.1. Unit/Committee Report(s)

- 4.1.1. Auxiliary
- 4.1.2. Committee on Honors (COH)
- 4.1.3. Committee on Organization and Rules (COR)
- 4.1.4. Committee of Past Presidents (CPP)
- 4.1.5. Diversity, Equity, and Inclusion Strategy Committee (DEISC)
- 4.1.6. Industry Advisory Board (IAB)
- 4.1.7. Member Development and Engagement Sector (MDE)
- 4.1.8. Philanthropy Committee
- 4.1.9. Public Affairs and Outreach Sector (PA&O)
- 4.1.10. Scholarships Committee
- 4.1.11. Standards and Engineering Services (SES) – Engineering Operations
- 4.1.12. Standards and Engineering Services (SES) – Standards Operations
- 4.1.13. Student and Early Career Development Sector (SECD)
- 4.1.14. Technical and Engineering Communities (TEC)
- 4.1.15. VOLT Academy

4.2. Dates of Future Meetings

DATE	DAY	TIME	LOCATION
November 11, 2022	Friday	2:00 pm – 3:30 pm	Virtual (Information Session)
December 5, 2022	Monday	2:00 pm – 3:30 pm	Virtual (Information Session)
January 31, 2023	Tuesday	12:00 pm – 2:00 pm	Virtual
March 6, 2023	Monday	2:00 pm – 2:30 pm	Virtual (Information Session)
April 19, 2023	Wednesday	12:00 pm – 2:30 pm	Virtual
May 5, 2023	Friday	2:00 pm – 3:30 pm	Virtual (Information Session)
June 4, 2023	Sunday	8:30 am – 3:00 pm	St. Louis, MO
June 6, 2023*	Tuesday	8:30 am – 3:00 pm	St. Louis, MO

\*FY24 Board of Governors

**5. Adjournment of Open Session**

**List of Appendices**

- 1.4.2. Proposed By-Law Changes to B4.2
- 1.4.3. Changes to Society Policy P-13.5
- 1.4.4. Dormant Segregated Account Consolidation
- 2.2. Climate Change Position Paper
- 2.4. Q1 Enterprise Goals Update
- 2.5. Board Liaison Report – Scholarship Committee

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

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Date Submitted:	October 7, 2022
BOG Meeting Date:	October 30, 2022
To:	Board of Governors
From:	Keith Roe, Chair of the Philanthropy Committee
Presented by:	N/A
Agenda Title:	Recommendation of Campaign Spend by Philanthropy Committee

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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 \$2,000,000 of the \$5,000,000 commitment was executed in November of 2021 (FY22). A spend of \$250,000 was approved in FY22 towards the HBCU/Community College Pilot, leaving a balance of \$1,750,000.**

**The Philanthropy Committee recommends that the remaining balance of \$1,750,000 be utilized to cover Philanthropic Program expenses in FY23 in support of Programs aligned to the Capital Campaign Pillars of Education that Inspires, Careers that Matter, and Ideas that Innovate.**

Proposed motion for BOG Action:

**Whereas, the ASME Philanthropy Committee recommends to the ASME Board of Governors that \$1,750,000 of the ASME contribution to ASME Foundation's Campaign for Next Generation Engineers be utilized to support programs under the ASME Foundation Capital Campaign Pillars of Education that Inspires, Careers that Matter, and Ideas that Innovate.**

**Resolved: The ASME Board of Governors accepts this recommendation of the Philanthropy Committee to use \$1,750,000 to support the programs under the ASME Foundation Capital Campaign Pillars.**

Attachment(s): None

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

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**Date Submitted: October 4, 2022**  
**BOG Meeting Date: October 30, 2022**

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

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**Agenda Item Executive Summary:**

The proposed changes to B4.2 reflect the current practices for identifying alternates to the Nominating Committee and for filling vacancies.

**Proposed motion for BOG Action:**

To approve for first reading changes to By-Law B4.2.

**Attachments:** Document attached.

## B4.2 NOMINATING COMMITTEE

B4.2.1 The Nominating Committee is charged with the responsibility of reviewing and nominating members of broad experience, high standing, and active participation in the work of the Society to the position of Elected Governor specified in Article C4.1.7 of the Constitution. These nominees may be selected from proposals by various units or by individual members in the Society or from the Nominating Committee's own deliberations as it sees fit.

B4.2.2.1 Election to the Nominating Committee takes place at Business Meetings of the Society. At the second Business Meeting of the fiscal year, the President shall present the names of those recommended pursuant to By-Law B4.2.2.3, as applicable, for election to the Nominating Committee. In the event any vacancies occur following that meeting, the President may present the names of those recommended pursuant to By-Law B4.2.2.3, as applicable, for any Nominating Committee vacancies at the first Business Meeting of the new fiscal year. The voting members of the Nominating Committee shall be elected for two years and alternates for one year. Alternates should commit to participate on the Nominating Committee for a three-year cycle. Once the alternate's term is completed, the alternate will automatically move into the position of voting member.

Elected voting members and alternates shall begin their terms at the close of the Business Meeting at which they are elected.

Terms of voting members and alternates will normally end at the close of the Nominating Committee Selection Meeting. However, if the work of a particular Nominating Committee is not finished by that time, terms of that committee will continue until the selection process for which that committee is responsible has been completed.

B4.2.2.2 The Nominating Committee shall consist of ten voting members and five alternates selected by the Senior Vice Presidents. Nominations for open positions for ~~voting members and~~ alternates shall be made as provided in By-Law B4.2.2.3 and shall be voted upon at the Business Meetings as provided in By-Law B4.2.2.1.

Voting members and alternates shall be of the Member or Fellow grade and not currently serving as an officer or as Governor of the Society.

The President may select a Governor to serve as Liaison to the Committee during their Presidential term.

B4.2.2.3 Each sector will develop its own procedures for generating recommendations for alternates of the Nominating Committee. The five Senior Vice Presidents will jointly review all of their recommendations for alternates of the Nominating Committee and select five to be nominated for election to the Nominating Committee pursuant to By-Law B4.2.2.1. The Senior Vice Presidents will provide up to five additional names to fill any vacancies that occur prior to the first Business Meeting of the new fiscal year.

B4.2.2.4 The Nominating Committee shall be assisted by a non-voting group of Advisors

consisting of up to three consenting and available past Presidents who have been out of office for one year or more. These Advisors, invited by the Nominating Committee, will attend all meetings of the Nominating Committee and participate in all its discussions. At the option of the committee, they may also be present during the casting of votes for the slate of nominees, although they shall remain impartial and not communicate to the Nominating Committee their opinions regarding any Proposed Nominee. The functions of this group shall be:

a. to acquaint the Nominating Committee of the short and long range Society plans;

b. to make available their experience in, and their knowledge of the requirements for serving as a Governor;

B4.2.3.1 If a voting member is unable to serve, then an alternate will be identified by the ~~Senior Vice Presidents~~Nominating Committee Chair from the pool of alternates.

B4.2.3.2 A person who has been a voting member of the Nominating Committee for a term or portion of a term which includes more than one Nominating Committee Selection Meeting is eligible to be proposed for a later term as voting member or alternate only if the later term begins one year or more after the ending of the term in which the person served as a voting member.

B4.2.4 No voting member or alternate shall be considered for nomination to become an Elected Governor of the Society during a term on the Nominating Committee, whether or not it is served.

B4.2.5 The names of those elected to serve on the Nominating Committee shall be published by the Executive Director/CEO prior to the end of each year, accompanied by a request for proposals for Elected Governors of the Society to be sent to the Nominating Committee. Any changes to the composition of the Nominating Committee shall be published as soon as possible.

B4.2.6 A vacancy in the Nominating Committee of the Society shall be filled as determined in accordance with B4.2.3.1 and B4.2.2.1.

B4.2.7 Each year, not later than December 1, the Nominating Committee shall submit any proposed changes to the Nominating Committee Operation Guide to the Committee on Organization and Rules for review and recommendation.

B4.2.8 A special nominating committee may be organized by one percent of the corporate membership of the Society in good standing certifying to the Executive Director/CEO in writing their joint intention to organize such a committee.

B4.2.9 Within two weeks following the close of the second Business Meeting of the fiscal year, the Nominating Committee shall deliver to the Executive Director/CEO in writing the names of its nominees for Elected Governor to be filled at the next election, together with the written consents of the nominees.

B4.2.10 The names of nominees for Elected Governor proposed by the Nominating

Committee and any other special nominating committee shall be published by the Executive Director/CEO immediately after the receipt of the report of the Nominating Committee or the special nominating committee.

B4.2.11 Names of any nominees presented by any special nominating committee must be in the hands of the Executive Director/CEO by the first Tuesday in August of each year and must be accompanied by the written consent of each nominee.

~~B4.2.12 Any member of the Society or any organized unit of the Society may propose and is encouraged to propose, directly to the Nominating Committee, nominees for the Board of Governors.~~





## Board of Governors Meeting Agenda Item Cover Memo

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Date Submitted:	October 4, 2022
BOG Meeting Date:	October 30, 2022
To:	Board of Governors
From:	Committee on Organization and Rules
Presented by:	Emily Boyd
Agenda Title:	Changes to Society Policy P-13.5

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### Agenda Item Executive Summary:

A modification is being made to Society Policy P-13.5 to list the eligible levels of programs for which a student may earn an ASME scholarship.

### Proposed motion for BOG Action:

To approve changes to Society Policy P-13.5

Attachment(s): Society Policy changes.



P-13.5  
3/21

## SOCIETY POLICY

### ASME SCHOLARSHIP PROGRAMS

#### I. PREFACE

- A. Article C2.1.1 of the Constitution states in part, "The purposes of this Society are to: ...Foster engineering education;..."
- B. Scholarship programs are effective in stimulating interest in engineering education and will reflect credit on ASME provided they are conceived and administered in a manner worthy of the Society's standing and prestige.
- C. For the purpose of this Society Policy, a scholarship shall be considered to be a grant made to a student to enable or assist the student in pursuing a post-high-school educational program in mechanical engineering or mechanical engineering technology ~~at the undergraduate or graduate level.~~

#### II. PURPOSE

- A. To state the policy pertaining to ASME scholarships.
- B. To provide the procedure for ASME scholarships.

#### III. POLICY

- A. The ASME encourages the establishment of scholarship programs as a support to engineering education in fulfillment of the Society's stated purpose.
- B. Any recognized unit of the Society may establish a scholarship program identified as an ASME program under that particular unit by following the procedures of IV.

#### IV. PROCEDURE

- A. The unit of the Society wishing to establish a scholarship program shall prepare a document describing the organization and management procedures that will control the scholarship program.
- B. The unit shall submit a request for approval of a proposed scholarship program to the Scholarship Committee.
- C. Upon favorable vote of the Scholarship Committee, a copy of the document required under IV.A shall be provided to the Managing Director overseeing the scholarship programs.

- E. The generation and disbursement of funds will be in compliance with Society Policy P-2.1 "Custodian and Operating Funds-technical divisions, research committees and sections."

Responsibility: Executive Committee/Scholarship Committee

Reassigned from Public Affairs and Outreach Council 3/24/2021  
Reassigned from Centers Board of Directors 6/2012  
Reassigned from Council on Education 6/12/05

Adopted: June 1, 1979

Reaffirmed: August 6, 1995

Revised: June 10, 1983  
(editorial changes 6/87)  
(editorial changes 8/88)  
(editorial changes 6/89)  
March 16, 2002  
June 12, 2005  
(Unit Reassignment Due to Reorganization 6/2012)  
(editorial changes 3/18)  
June 15, 2020  
March 24, 2021



## Board of Governors Meeting Agenda Item Cover Memo

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Date Submitted:	October 14, 2022
BOG Meeting Date:	October 30, 2022
To:	Board of Governors
From:	Design Engineering Division Executive Committee MDE Sector Council Staff Support
Presented by:	Consent Agenda
Agenda Title:	Dormant Segregated Account Consolidation

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Agenda Item Executive Summary:

**Over the past months, the Design Engineering Division Executive Committee and the MDE Sector Council have met to discuss and resolve the issue of dormant/unused Segregated Account funds under their control.**

**Attached are two proposals to combine dormant/unused Segregated Accounts in:**

- 1. MDE Sector**
- 2. Design Engineering Division**

**Also attached is the proposal from staff members to modify the accounting classification of one account from “TBD” to the “Manufacturing Division.”**

**Included in the proposals are the minutes or notes approving these changes.**

Proposed motion for BOG Action: **A motion to approve the recommendations to combine Segregated Account balances in three areas to encourage use and investment in ASME programs.**

Attachment(s): Proposals and Minutes/Notes

**BACKGROUND:**

ASME has been carrying many Segregated Accounts for years that have had zero activity for more than 10 years.

**MDE SECTOR SEGREGATED ACCOUNTS THAT ARE NOT ACTIVE:**

These accounts are leftovers from the days of Districts that have not been around since the 00's, but the funds have continued to be under the control of the now MDE Sector.

FUND 4-0003 - 00	MIDCONTINENT SECT REG X	(82)
FUND 4-0004 - 00	DIST D/FRANCIS J DONNELLY H&H	622
FUND 4-0005 - 00	BIRMINGHAM SECTION ED BOARD	-
FUND 4-0007 - 00	REGION II GENERAL ACCT	(613)
FUND 4-0009 - 00	DIST B/REGION V	2,281
FUND 4-0010 - 00	REG V MIDWEST HURON NIA	193
FUND 4-0014 - 00	MONTERREY GROUP	12,417
FUND 4-0016 - 00	HARTFORD SECTION SCHOL FUND	(2,480)
FUND 4-0017 - 00	REGION XIII	1,912
FUND 4-0019 - 00	BALTIMORE CHAPTER ASME	(199)
FUND 4-0020 - 00	LATIN AMER CARIBBEAN SECT	21,468
FUND 4-0021 - 00	NEW ORLEANS SEC	(15)
FUND 4-0023 - 00	DIST F/BLUE RIDGE	2,385
FUND 4-0027 - 00	RIO GRAND SECTION	30,007
FUND 4-0047 - 00	P NICHOL AWARD	(500)
FUND 4-0191 - 00	DISTRICT A	(5,230)
FUND 4-0201 - 00	DISTRICT H	21,305
FUND 4-0134 - 00	IPTI BOARD	-
		83,470

The MED Sector Council would like to combine the \$83,470 into Fund 4-0003 and rename that account to "MDE Special Initiatives".

The minutes of this decision and approval are attached.

**Design Engineering Accounts:**

These accounts have existed for we believe 20+ years, but have no activity that we can see back to 2009. They were started under the very brief initiative in the early 90's where Journal revenues/surpluses were shared back to the Divisions. This lasted only a few years and then was cancelled.

FUND 4-0233 - 00	DSN JRL EDIT SUP ME DESIGN	15,269
FUND 4-0234 - 00	DSN JRL EDIT COMP INFO SCIENCE	2,991
FUND 4-0235 - 00	DSN JRL EDIT VIB & ACCOUSTICS	14,992
FUND 4-0236 - 00	DSN JRL EDIT COMPTL & NON LIN	156
FUND 4-0237 - 00	DSN JRL EDIT MEDICAL DVCS	3,449
FUND 4-0238 - 00	DSN JRL EDIT MCHNSM & ROBOT	10,117
FUND 4-0239 - 00	JRNL SP INITIA MECH DSGN	15,000
FUND 4-0240 - 00	JRNL SP INITIA COMP INFO SCIE	7,500
FUND 4-0241 - 00	JRNL SP INITIA VIB & ACOUSTICS	15,000
FUND 4-0242 - 00	JRNL SP INITIA COMPTL & NON LI	10,913
FUND 4-0243 - 00	JRNL SP INITIA MED DEVCS	7,500
FUND 4-0244 - 00	JRNL SP INITIA MCHNSM & ROBOT	7,033
		109,920

In discussions with the Division Executive Committee this year at the IDETC conference, they would like to combine the \$109,920 into one account, Fund 4-0233, and rename that account to “DED Special Initiatives”.

The minutes of this decision and approval are attached.

**Manufacturing Division additional account:**

In our accounting system, ASME classifies Fund 4-0059 as “TBD” under “Misc Other Segregated Accounts”, but we have been using this account for the Manufacturing Division’s conference surpluses and other activities along with Fund 4-0058. As such, staff from TEC and Accounting have approved the move for this account to be classified under “Divisions” along with Fund 4-0058 and the Manufacturing Engineering Division.”

Participates: Ty Booker; Mike Roy; Evelyn Taylor; Bryan Jason Ash; Joshua Brooks; Rick Cowan; Tim Graves, Ying Feng Pang

### **Highlights**

1. The meeting was called to order by Mike Roy.
2. The motion to approve the agenda was from Ash and the second was from Pang. The agenda was approved.
3. The motion to approve was from Moman-Saunders and the second was from Lewis. The minutes were approved.
4. Mike Roy's Opening Remarks
  - This is a transition year as we are working on realigning the activities from the Feedback/recommendations on the board's expectations provided by the BOG's Task Force.
  - He would still like to see us meet as a group. However, it should be after some of the open positions have been filled. The location will be determined later.
  - It is our hope to have the new people before the end of the year. We might consider also inviting some of the past members.
  - We will not meet at the IMECE meeting. However, we are budgeted to attend the Annual meeting.
  - Our monthly meeting day and time will stay the same, the second Monday of each month at 9:00 am.
5. Staff Update - Evelyn Taylor
  - Student paperwork in place. Student Hall (60 people) participated.
  - Lots of training coming up 13<sup>th</sup>, 15<sup>th</sup>, & 21<sup>st</sup>.
  - Treasurer Training. Volt is doing more leadership training.
  - There is a new trifold for recruitment.
  - We have 30 boxes of swag for students
  - Student leader weekend, next week. Indianapolis, LA, and Charlotte.
  - On-boarding for students will be on the 16<sup>th</sup>.
  - There are new Banners two profession, two students, and two in Spanish.
6. Maharashtra Section Proposal - Evelyn Taylor and Ty Booker
  - India has begun completing the paperwork for a new professional section in India. There will possibly be another section coming shortly. The India team has a new section goal of four or five.

- Cowen motion to approve the Maharashtra section and Lewis seconded. The approval vote was unanimous.

#### 7. Funds Discussion - Tim Graves

- The MDE Council discussed the holdover Segregated Accounts from the days of Districts and other non-operating Sections that have been unused since before 2010, but the funds have continued to be under the control of the now MDE Sector.
- The MDE Council agrees that a motion be put before the Board of Governors to combine the \$83,470 into Fund 4-0003 and rename that account to “MDE Special Initiatives”.
- An ad-hoc committee will be appointed to develop the contingency guidelines to govern the use of the money.

#### 8. Council Reports

- Dr. Josh Brooks, new Eclipse Intern. Very diverse background. Research faculty.
  - Won a ASME teaching Fellowship.
- Region Update - Rick Cowan
  - Has had some discussion on the direction we should go.
  - Working with Evelyn on the new structure. They will ensure our by-law and governance documents are in place. The new structure should be in place at the start of the new fiscal year.
  - Will have something to consider soon.
  - We have had two section mergers - Virginia and California.
  - The ambassador program - was proposed and submitted but never approved. Must have International and Domestic representation. The recommendation proposed is for ten members. Two have already been identified. Once the others have been identified, Mike will carry the proposal to the BOG.
- Student and Early Career Committee - Jason Ash
  - Student and early career - Feedback was provided by Evelyn/Ty on a student ambassador program.
  - There are 18 students from around the world. It is recommended that students serve staggered two-year terms.
- Member at Large - Ying Feng Pang
  - A new Conference, Advance Reactive Deployment will be hosted by Texas A&M University. The South Texas Section should be engaged to foster collaboration between the student and professional section. This could potentially provide more subject matter experts for speakers. The overall goal is to foster more technical involvement from the sections. This model could possibly be expanded to more universities and student sections.



- Staff has been working with The Ohio State on the Exhibition at IMECE. Neither students nor professional have been contacted about the upcoming IMECE. We should offer some local Student/Professional section discounts to participate.
- Petroleum division has a couple of research papers being presented and they are reaching out to the others in the local area.
- Member Development - Bryan Lewis - No Report
- Old Guard Committee Update - Monica Moman-Saunders
  - The Oral Final will be virtual this fall.

9. New Business - No Discussion

10. Adjourn - The motion to adjourn was from Cowen and the second was from Ash.

**ASME DED Executive meeting 09/06/2022**

Attendees: Mary Frecker, Carolyn Seepersad, Michael Kokkolaras, Dimitru Mickey Caruntu, Scarlett Miller, Dane Quinn, Josh Summers, Scott Ferguson, Barbara Zlatnik

Carolyn Seepersad, DED Chair, called the meeting to order at 10:00 am EDT

1. Consolidation of journal accounts

- a. Motion made by Mickey to combine accounts formerly associated with journals into a single account with the name DED Special Initiatives. The motion passed unanimously.
- b. The group emphasized that special initiative funds are designed to advance journals, TCs, conference initiatives and other DED activities.

Mary reported that 7 TC reports have been received along with Journal report. Carolyn offered to help with reminders to TCs that haven't submitted their report.

Mickey asked if a 2022 conference report has been submitted for inclusion in the annual report. Mickey will provide a template based on 2017 report. Mary will ask Cameron for 2022 report.

2. Special initiative call

- a. Carolyn reported that we will draft the call for special initiative projects, set aside funds, circulate to TCs with a deadline for application. Dane shared last year's call and will provide it as a template.
- b. Scarlett suggested adding a request for joint activities between TCs, e.g. keynotes or sessions on cross cutting topics.
- c. Mickey asked if keynote speaker registration could be included in the conference budget. Barb reported that waivers are issued to conferences from ASME, and TCs decide how they want to use them.

3. Feedback on IDETC

- a. Webtool
  - i. See letter from MSNDC organizers, including volunteers for feedback on webtool.
  - ii. Issues regarding difficulties with webtool have been raised in the past; Barb will ask Stacy (manager of webtool) for feedback. Mickey reported that similar issues exist for ASME Congress organizers, and that Stacy is working on it. Mary remarked that MR brought up similar concerns last year. Carolyn will look for feedback from other TCs in previous years as well.
- b. Timeline for draft papers, reviews, etc. to include 2<sup>nd</sup> review: There was a discussion of the possibility of including a second round of reviews on conference papers. Mickey stated that organizers could make the decision; Carolyn pointed out that the deadline would need to be earlier if a second review is included. Members generally agreed that it does not make sense to ask reviewers to do a second round of reviews and that reviewers should base their review on the paper submitted. Dane suggested expanding

acceptance options for reviewers. Scott pointed out that a second review could be prohibitive of expanding participation. Michael suggested allowing presentation-only submissions; this is conference-specific.

- c. Overlap between sessions
    - i. Options include (a) differentiating between TCs, (b) cross-listing sessions across TCs, (c) organizing a day of sessions on particular topics and/or making sure that common topics in different TCs are not hosted at conflicting times
    - ii. Scott will call a meeting with TCs at end of September and report back to DED EC in October. Mickey suggested that IDETC chairs be invited to join the next meeting.
  - d. Student registration options: Asking students to pay the full registration fee was not appreciated. Barb reported that the TEC council is inviting suggestions on how to address this problem; she will provide contact info. Dane asked about other conference registration fees, IDETC is not the most expensive. Carolyn asked about the possibility of raising the full registration fee to offset student registrations and full registration per paper. We could also consider reducing student benefits, such as a student registration fee that does not include the awards lunch. We could also consider student volunteer positions in which students help with the conference in exchange for a reduced fee. Dane suggested a per-paper surcharge for more than 2 papers.
4. New Honors and Awards Chair
- a. 2 nominees: Stefano Lenci, Gim Song Soh – Carolyn will put CVs on Box folder and will be voted on next time or by email; will also reach out to previous nominees for open positions to see if they're interested.
  - b. Also need nominees for General conference chair for 2024; Barb reminded us that CIE volunteered for 2024. The participation data from past conferences could be used to help set a regular rotation schedule for conference organization between DED & CIE. Carolyn will send out another message for conference organizers for 2024. Decision should be made by ASME.
  - c. We also need to post the position of Student Activities Chair.
5. SWOT Analysis
- a. ASME has asked DED to complete SWOT analysis. Barb reported that DED is the largest division within ASME by far. Michael suggested soliciting input from TCs; Carolyn will look at TC annual reports
  - b. Strengths: tradition, dedicated organizers, conference, quality of journals
  - c. Weaknesses: web tool, integration of new members after COVID, lack of industry participation

- d. Opportunities: presentation-only, direct to journal paper submission could help increase participation. Could also have papers submitted to journals that are invited to present at the conference, e.g. journal spotlight sessions.
- e. Threats: none identified

Meeting was adjourned at 11:00 am EDT.

- 6. DED Publicity
- 7. Any additional topics?



## Board of Governors Meeting Agenda Item Cover Memo

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Date Submitted:	October 11, 2022
BOG Meeting Date:	October 30, 2022
To:	Board of Governors
From:	William Garofalo, Chief Financial Officer
Presented by:	William Garofalo
Agenda Title:	FY23 YTD Financial Report

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Agenda Item Executive Summary:

An FY23 YTD financial update 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:	October 7, 2022
BOG Meeting Date:	October 30, 2022
To:	Board of Governors
From:	Anand Sethupathy, Managing Director, Strategy & Programs
Presented by:	Anand Sethupathy, Managing Director, Strategy & Programs Iana Aranda, Director, Engineering Global Development
Agenda Title:	Discussion and Approval of Climate Position Statement Core Principles

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**Agenda Item Executive Summary:**

During the July Board Planning Meeting in Houston, TX, the BoG reviewed and provided feedback on a draft Climate Position Statement. The feedback from this meeting was collected and applied to a revised Climate Position Statement which was reviewed during the Sept. 20<sup>th</sup> information session. The aim of this agenda item is to review the current draft of the Climate Position Statement and to vote on whether the core principles outlined in this draft have been sufficiently defined to begin further conversations with the SVPs and other key ASME volunteer leaders. After socializing the Climate Position Statement with the SVPs and key ASME volunteer leaders, a final draft of the Climate Position Statement will be brought back to the BoG for review and approval.

**Proposed motion for BoG action:**

Whereas, the ASME Board of Governors agrees that the attached Climate Position Statement is supported by the Board of Governors and is ready for further discussion with the SVPs and other ASME volunteer leaders.

Attachment(s):

**Revised Climate Position Statement – V8**

## DRAFT: ASME Climate Position Statement

Engineers are problem solvers. Mechanical engineers have worked to serve and inspire humanity on projects as focused as delivering clean water to a remote village or as sweeping as landing astronauts on the Moon. Since 1880, ASME has been bringing engineers together to take on society's biggest challenges and developing standards that provide the basis for the safe operation of technologies throughout the world.

Today, humanity is facing one of its largest challenges ever. Climate change is currently threatening the stability of economies, ecosystems, and societies across the planet. The unprecedented scale of this challenge has prompted action from stakeholders in every sector and industry. We at ASME believe that engineers have both the opportunity and responsibility to be leaders in taking on climate change. Engineers have the tools and training critical to finding and implementing sustainable climate action solutions in ways that benefit all of humanity. In this century, climate change will be a part of every challenge engineers face, and climate action must be a part of every solution.

### How Will ASME Respond?

Our approach is founded on these key points:

- **Support the 1.5 Celsius emissions pathway established by the 2015 Paris Agreement.**
- **Build on ASME's legacy of meeting global challenges and establish a sustainability strategy for engineers and technical professionals to achieve net-zero emissions by 2040.**
- **Leverage ASME's successful history of providing non-partisan expertise to policymakers by facilitating communication on climate policy among government, industry, and academia.**
- **Develop and engage the engineering workforce and ASME's community expertise through support of current and future climate initiatives.**
- **Align ASME's sustainability and climate strategy to the United Nations' Sustainable Development Goals.**

ASME is building toward these actions from a strong foundation. ASME is already focused on many of the key technologies needed to replace and reduce the impacts of carbon fuels. Its track record as a trusted provider of unbiased expert information to policymakers and as a neutral convener will enable it to find consensus solutions to technical challenges. ASME is committed to addressing critical issues such as sustainability, the future of work, and diversity, equity, and inclusion and understands that developing successful technological solutions requires engagement with and coordination of a wide variety of stakeholders.

Informed by a data-driven assessment of market opportunity and building on the success of its diverse programs and products, ASME is uniquely positioned to invest in the engineering workforce of the future and to help meet the demands of a rapidly changing industrial environment and a carbon-neutral future.

There's much to do, and it must be done. Climate action will quite literally be the work of generations. We know that people everywhere, and engineers, especially young engineers, are engaged in this issue like no other. We invite all engineers and technical professionals everywhere to join ASME in developing solutions to climate change and building a sustainable future.



## Board of Governors Meeting Agenda Item Cover Memo

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Date Submitted:	October 11, 2022
BOG Meeting Date:	October 30, 2022
To:	Board of Governors
From:	Strategy Office
Presented by:	Michael W. Johnson
Agenda Title:	Revenue Diversification and Digital Standards

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Agenda Item Executive Summary:

**An update to the Board of Governors on the actions taken related to the digitalization of ASME Codes and Standards.**

Proposed motion for BOG Action:

**Information only**

Attachment(s): **None**





## Board of Governors Meeting Agenda Item Cover Memo

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Date Submitted:	October 11, 2022
BOG Meeting Date:	October 30, 2022
To:	Board of Governors
From:	Jeff Patterson
Presented by:	Jeff Patterson
Agenda Title:	Q1 Report on FY23 Enterprise Goals

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### Agenda Item Executive Summary:

ASME Staff will provide an overview of progress on FY23 Enterprise Goals through Q1.

### Proposed motion for BOG Action:

**No action is required.**

### Attachment(s):

Q1 FY23 Enterprise Goals Update for BoG.pdf

# Q1 FY23 Enterprise Goals Update

Jeff Patterson

30 October 2022

#	FY2023 Enterprise Goals	ET Owner	Q1	Q2	Q3	Q4	Executive Commentary
1	Culture & Workforce Transformation (WfX)	Johnson & Clouden	On Track				11 workstreams have kicked off focused on attracting, developing, retaining, and engaging a highly performing ASME staff. The first quarter efforts of the workstreams focused on establishing teams, defining charters, and beginning initial discovery. At the end of Q1, this goal is on track to target for FY23.
2	Customer Experience (CX): Engineer's Lifelong Journey (ELJ)	Patterson	On Track				8 workstreams have kicked off and all initial charters are approved to set the foundation of the Customer Experience program's scope, timelines, requirements, and deliverables for FY23.
3	Digital Transformation (DX)	Patterson	On Track				Out of 11 workstreams, 8 started and are On Track, 2 are in planning preparing for kick-off and 1 is waiting to start due to dependencies on other projects. Interdependent project deliverables have been identified early as the highest risk to the goal and the teams have begun to work on mitigation strategies.
4	Diversity, Equity & Inclusion (DEI)	Clouden	On Track				The Diversity, Equity, and Inclusion Goal has five (5) workstreams. All five (5) workstreams have held a kick-off meeting, secured their core team members, submitted charters, established weekly or bi-weekly meeting cadence, and are in the planning stages. All five workstreams met their 1st quarter goal milestones and deliverables.
5	Financial Sustainability	Costabile	On Track				Preliminary September YTD revenue is in line with budget, with full year forecasted revenue also in line with budget. We anticipate meeting our revenue goals for FY23.

**All five FY23 Enterprise Goals are on track through Q1.**

Legend
On Track
At Risk
Off Track
Complete





## Board of Governors Meeting Agenda Item Cover Memo

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Date Submitted:	October 10, 2022
BOG Meeting Date:	October 30, 2022
To:	Board of Governors
From:	Jared Oehring, BOG Liaison to the Scholarship Committee
Presented by:	Jared Oehring
Agenda Title:	Report of the BOG Liaison to the Scholarship 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 5-minute presentation will offer a high-level update/overview of the committee's work.

Proposed motion for BOG Action: None

Attachment(s): PowerPoint

October 2022

# ASME Scholarship Committee Updates



# ASME Scholarship 2022-23 Results

□ **163** Awardees, **187** Scholarships, **115** Schools represented

□ **35%** of Scholarships awarded to **female**

□ **47%** of Scholarships awarded to **minorities**

*(Black/African Descent, Hispanic/Latino, Asian/Asian American/Pacific Islander, Multi-racial)*

□ **56%** of Scholarships awarded to **underrepresented**

*(Black/African Descent, Hispanic/Latino, Multi-racial, Non-binary/non-conforming, including all women)*

Total Awarded dollars: **\$586,850** *(average amount per student \$3,600)*



# Accomplishments/Changes

## **Scholarship Committee Membership Updates**

- New member: Sara Wheeland – MAL, Fundraising Efforts
- New member: Amy Mensch – Secretary
- Reaffirmed MALs: Aisha Lawrey (DEI); Madhu Rangi (Alumni Engagement)
- Outgoing MALs: Tom Perry (Secretary), Imane Khalil (Community College)

## **Preparations underway for the next cycle of scholarship for academic year 2023-24**

- Held focus group discusses with Scholarship Evaluators to improve the process
- Program details modified to be inclusive of community colleges/2-year technical program and Associate degree students; changes applied to website and application

# What's on the Horizon

- Defining roles & responsibilities for strategic goals and MAL
- Pending confirmation of Dr. Davis as the Community College MAL or will continue the search
- Contractual agreement underway with SHPE to support the ASME / SHPE Scholarship and SHPE Liaison to join the committee
- Confirming IGTI (Gas Turbine) and IPTI (Petroleum) Scholarships for 2023-24.  
The Petroleum Division Committee votes annually to offer scholarships and IGTI follows a process to transfer funds to the ASME Foundation



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

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**Date Submitted: October 10, 2022**  
**BOG Meeting Date: October 30, 2022**

**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 three accomplishments, challenges, and other 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**  
Auxiliary  
June 2022 – November 2022

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**Top Key Accomplishments:**

1. The Auxiliary successfully paid out \$159,000.00 in scholarships for the 2023 academic school year.
2. The Auxiliary's loan program had one \$10,000.00 loan paid in full.

**Challenges:**

The Auxiliary has a difficult time engaging new members to join their group and read scholarship applications.

**Other information:**

The Auxiliary will be celebrating their 100<sup>th</sup> Anniversary in June 2023 at the Annual Meeting in St. Louis, MO.

The Auxiliary met with Michael Johnson, Chief Strategy Officer, to discuss the future strategy for the Auxiliary.

**Report to the Board**  
Honors & Awards  
June 2022 – November 2022

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**Top Key Accomplishments:**

1. Program Effectiveness.  
During the year the Committee on Honors (COH) reviewed and acted favorably upon all seventy-three award nominations submitted.
2. Diversity, Equity and Inclusion.  
In COH's continuing efforts to increase diversity, this year 16% of the 73 awardees are female or from an underrepresented group.
3. New Society Award.  
COH approved the Avram Bar-Cohen Memorial Medal for contributions to academic, research, and industrial communities in the broad field of heat transfer and related electronics, photonics, mechanics and packaging phenomena.
4. Membership Promotion.  
To attract and retain ASME membership COH offered a free year of membership to fourteen recipients who are non-members.

**Challenges:** None

**Other information:**

All 135 plus award nominations each year will now come first to ASME staff, which reviews each nomination and distributes them to the appropriate award committees. There is a potential to assign a nomination to an award that has not received any nominations for the year. That is, an award may receive multiple nominations. Because only one award can be given, there may be one or more nominations that are rejected. There is a potential for the rejected nominations to fulfill the requirements for a different award. This will help fulfill the goal of presenting as many awards as possible to worthy and diverse recipients. As an example, Dr. Aprille Ericsson's nomination originally came in for the Gleason Award, which received multiple nominations. It was moved to the Roe Award, which did not have any nominations. Dr. Ericsson was honored with the Roe Award.

**Report to the Board**  
Committee on Organization and Rules (COR)  
June 2022 – November 2022

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**Top Key Accomplishments:**

COR has held one meeting since June 2022 and has conducted a letter ballot on appointments.

1. COR reviewed recommended changes to the Nominating Committee By-Laws for the Board of Governors' October 30 meeting.
2. COR reviewed proposed changes to the Society Policy on scholarships for the Board of Governors' October 30 meeting.
3. The Committee reviewed ten internal appointments or reappointments and made recommendations for the Board of Governors' October 30 meeting. COR continued to strictly enforce the examination process of appointments and re-appointments to make sure they followed Society Policies. It paid particular interest to ensure diversity in the appointments.
4. COR is working with the Technical and Engineering Communities Sector on its Operation Guide. Included in that guide and all others is a Model Statement for Diverse, Equitable and Inclusive ASME Leadership. ASME's Director of Diversity, Equity and Inclusion Kevin Russ participated in the COR meeting to discuss an updated Statement.

**Challenges:**

None

**Other information:**

COR will need to fill Tom Vogan's position when he assumes his role as Senior Vice President Standards and Certification in June 2023.

The Committee will review all Operation Guides in FY23 with respect to DEI-related language, and will ensure the Model Statement for a Diverse, Equitable and Inclusive ASME Leadership is included.

COR will review the Sector Operation Guides with respect to how the sectors select alternates to the ASME Nominating Committee and their processes for selecting members for their councils.

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

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**Top Key Accomplishments:**

1. CPP elected 98 total members as Fellows in Calendar Year 2021

**Challenges:**

None

**Other information:**

1. Rich Laudenat will be the Vice Chair of the Ethics Committee for a three (3) year term.
2. Said Jahanmir, Rich Laudenat and Bryan Erler will be the 2023 Nominating Committee Advisors.

## **Report to the Board**

Diversity, Equity, and Inclusion Strategy Committee  
June 2022 – November 2022

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### **Top Key Accomplishments:**

1. Last year, the committee identified strategies and tactics to increase diversity across several key areas, including members, volunteers and volunteer leaders, honors and award recipients and those elevated to Fellow grade of membership, and conference and event participants. The committee is developing resources to help implement these strategies and tactics.
2. The committee is working on enhancements and additions to the DEI Toolkit, including new resources related to Developing Rubrics for Awards and Recognition; Including DEI in Succession Planning; Creating and Inclusive and Welcoming Environment at Meetings (including virtual meetings); among others.
3. The committee is expanding the selection of DEI Moments for groups to use at meetings and will have four new moments by the end of the year. These will be related to Age and Generational Differences; Neurodiversity; Women's Equality; and Disability.

### **Challenges:**

The committee has received positive feedback on the DEI Toolkit, but at present there is not a way to track usage. We are looking at ways to gather information about usage and the reception the tools receive when they are used.

### **Other information:**

The committee has been coordinating the LGBTQ+ pride group and is working with its members to consider formalizing its volunteer structure as a committee reporting into the DEI Strategy Committee.

**Report to the Board**  
Industry Advisory Board  
July 2022 – November 2022

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**Top Key Accomplishments:**

1. The next Industry Advisory Board (IAB) meeting, to be held November 15-16, 2022, in Ponte Vedra Beach, Florida, will discuss sustainability in the engineering industry and how that aligns with ASME's strategy on energy and sustainability. This is the IAB's first in-person meeting since September of 2019. The meeting will also feature an optional tour of the Johnson and Johnson MedTech Vision Care facility. The facility is targeting to be carbon neutral by 2025.
2. Ansys has joined the IAB. Dr. Mark Horner will serve as the IAB representative.

**Challenges:**

1. Active IAB member engagement is a continual issue, especially since the last several meetings have been virtual. The IAB Executive Committee plans to interview selected IAB members to look for areas of possible improvement.
2. The IAB has had some member retirements during COVID, so the Executive Committee is seeking memberships from 1-2 other companies over the next year.

**Other information:**

1. The spring 2023 IAB meeting is slated to be held in Washington, D.C. The date is still to be determined.

## Report to the Board

Member Development and Engagement Sector  
June 2022 – November 2022

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### Top Key Accomplishments:

1. MDE hosted the first Section Leader Networking and Exchange (SLNE) event in the spring with an overall satisfaction rating of 94% and a NPS score of +43 with most volunteers and a +57 with 3 years or less. Over 90% of attendees said they would attend again and 100% of those with 3 or less years said they would. As a virtual event, this was a cost effective and very highly rated gathering for professional Section leaders around the globe to gather for 2 days and exchange ideas and challenges.
2. Section Operations staff have developed a website to fill the void left by the sunset of the asme.org Community pages. This site (sections.asme.org) allows Section leaders to market their events and push out information to local members. The team designed the site using programs ASME already had in the system. This site lists all Sections and their events and activities, both professional and student (allowing any member to find their nearest Section). The site also houses a resource library of all new materials and programs available to volunteers and a form to complete to volunteer with ASME. Since July 1, the site has had 12,400 page views, with 5,412 unique users signing in and the average visitor has at least 3 page views per visit.
3. In July, the Sector launched the expanded Student Section team to work directly and intensively with Student Sections around the globe by adding 2 additional staff for a total of 3 focused on student leadership. The team developed multiple new tools for the students, including, a community granting program, Student Section recognition program, marketing materials (including a recruitment booth and branded materials), using QR codes for most materials, and an advisor toolkit to increase student engagement. To date, we have increased from 497 to 671 Student Sections with 10 new and 8 pending new Student Sections for the year. The Student Leader Weekends, a series of local regional gatherings, will be introduced in October for Student Section leadership teams.

### Challenges:

Communication with professional and student members continues to be a challenge, including:

1. The GMEC system hampers attempts to engage current members (with an average rate of 40% of Section members eligible to receive email);
2. New pain-points have been identified in that communication platforms used by students are varied and there is not a "standard," forcing us to attempt to identify key sites to meet the students where they are; and
3. The Sector still requires a centralized registration system for events and activities for Sections. Too much data is being lost from the grassroots effort of our local volunteers while we wait for a solution to this challenge.

### Other information:

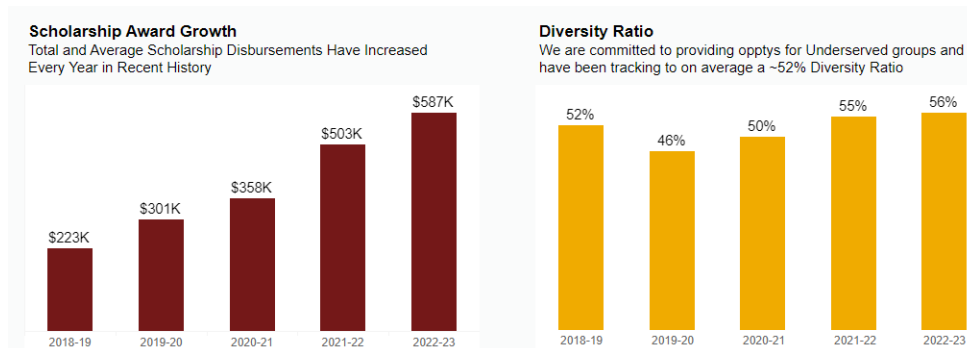
The Sector Council is working to fill out all Council positions by February 2023.



**Report to the Board**  
Philanthropy Committee  
June 2022 – November 2022

**Top Key Accomplishments:**

1. **Growth of Scholarships** – Effective philanthropy (individual and corporate) has enabled the continued growth of the ASME Scholarships program. Annual support provided to students has risen from \$223K in academic year 2018-2019 to \$587K in the upcoming academic year while retaining an emphasis on diversity, equity, and inclusion.



2. **New Relationship Cultivation – (Corporations)** Through an effective staff/volunteer collaboration, we continue to open new doors. Recent meetings included GE Healthcare and Rockefeller Foundation which are both promising leads to future funding. **New Relationship Cultivation – (Individuals)** Through our work with the Philanthropy Chair, we continue to identify high-net-worth individuals and prepare white gloved engagement strategies which should result in significant gifts in support of the Capital Campaign. This work is being done in tandem with our continued efforts to diversify donors from underrepresented communities.
3. **Cultivation Event** – Emerging from the pandemic, we hosted our first in-person regional cultivation event in San Jose, CA on Sept. 29<sup>th</sup>, 2022. The event honored Chandrakant Patel, a senior leader at HP Enterprise and introduced the campaign to contacts at Google, Intel, and many other leading Silicon Valley based entities.

**Challenges:**

1. **Macro-Economic Conditions** – The recent performance of the stock market may have a potential impact on overall giving from Corporations and Foundations.
2. **Staffing** – The labor market for fundraising talent continues to be competitive and replacing the Director of Corporate and Foundation relations role may take time.
3. **Timing** – We continue to make inroads with many major funders; however, the process from initial conversation to substantial grants is never immediate.

**Other information:**

Stephanie Viola succeeds Kathleen Lobb as the new Managing Director of Philanthropy at ASME. The ASME Foundation Board voted Stephanie into the role at their meeting on August 30, 2022. In addition, Sonya T. Smith, Ph.D., Mechanical Engineering Professor & Director, Atmospheric Science Program, Howard University and Oscar Barton Jr., Ph.D., Dean, Clarence M. Mitchell, Jr. School of Engineering at Morgan State University were voted in as new members of the ASME Foundation Board.

## Report to the Board

Public Affairs & Outreach (PAO) Sector/Council  
June 2022 – November 2022

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### Top Key Accomplishments:

1. **Expanding ASME’s policy influence:** ASME Government Relations (GR) continued to build on the engagements from ASME Policy Impact 2022 programming and developed a new public affairs communications strategy; initial activities include (1) an op-ed in the *Hill* newspaper, coauthored by Rep. Young Kim (R-CA-39) and CEO Tom Costabile on the future of space; (2) the reactivation of GR’s Twitter account; (3) the ability to devote special *ME Magazine* columns to senior government officials; and (4) timely *Capitol Update* newsletter coverage of key legislation, including the Inflation Reduction Act and CHIPS and Science Act.
2. **Increasing ASME’s engineering education footprint:** In terms of university-level outreach, the Engineering Education and Outreach team continues to partner with the Foundation to revitalize ASME’s Graduate Teaching Fellowship that awards \$5,000 scholarships to 3-4 PhD students per year. Planning is also underway for two in-person 2023 Mechanical Engineering Education (MEED) Leadership Summit events in Puerto Rico, where the PAO Council will convene in conjunction, and India. In terms of K-12 STEM outreach, ASME programs have provided curricula and STEM-aligned content to over 635,000 students within the U.S. and Canada—including 1,130 Title 1 schools; 22,835 teachers; and 64,000 students through the *Engineering Dreams* platform.
3. **Strengthening ASME’s global development investment:** ASME’s Engineering Global Development (EGD) and Engineering for Change (E4C) teams continue to build on a January 2022 stakeholder summit of industry, academia, government, and nongovernmental organization (NGO) sustainability leaders—through the “Engineering Workforce Advancing Sustainable Development” whitepaper currently in development. In August, ASME-E4C and the German Association of Engineers (VDI) announced a collaborative sustainability research project—“Decarbonization through Digitalization”—focused on applying new technologies to combat climate change. By the end of June, the Innovation Showcase (ISHOW) winners were awarded in the U.S., India, and Kenya. The latter featured inventions addressing respiratory diseases, USB charging, and water collection via IoT.

### Challenges:

On August 28, the White House Office of Science and Technology Policy (OSTP) acting director issued a surprise interagency memorandum directing the elimination of the 12-month research publication embargo for all federally funded research agencies (with R&D budgets over \$100 million) by December 31, 2025. ASME GR is working in the meantime to ensure policymakers have a better understanding of the costs on researchers and scholarly publishers, and continues to assess other impacts on licensing, copyright, and scientific integrity/institutional trust.

### Other information:

ASME solidified its fiscal and programming plans for the Federal Fellowship for FY2023-24 and has placed the following 2022-23 Fellows: Craig Scott, Advanced Manufacturing National Program Office (AMNPO) at NIST; Julien Caubel and Aditi Gupta, office of U.S. Senator Ben Ray Lujan (D-NM); and Elisabeth Deeb, office of U.S. Senator Raphael Warnock (D-GA).

**Report to the Board**  
Scholarships Committee  
June 2022 – November 2022

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**Top Key Accomplishments:**

1. **Record Year for Scholarships in FY23** – ASME Scholarships hit a record milestone for giving in Academic Year 2022-2023 with \$586,850 in total giving to 163 awardees representing 115 different schools. (Average award of \$3,600 per student.)
2. **Continued Emphasis on DEI** – ASME Scholarships continue to attract a diverse cohort of engineering students.
  - a. 35% of the scholarships were awarded to female engineers.
  - b. 47% of the scholarships were awarded ethnic minorities
  - c. 56% of the scholarships were awarded to groups historically underrepresented in engineering.
3. **Collaborations** – Working to develop collaborations with other affinity societies that have a DEI focus to establish joint scholarships that can be cross-promoted across ASME and the collaborating community. (ex. SHPE)

**Challenges:**

1. **Post-Pandemic Engagement** – Throughout the pandemic, the Scholarships Committee had stood up a virtual celebration event to engage with recipients, families, and donors. This event was well received; however, we are now considering a pivot to smaller local in-person experiences integrated with other ASME events.
2. **Alumni Engagement** – We are still working through a more robust model to engage with the scholarship alumni community. We believe there is tremendous potential to engage them as donors, volunteers, and as active members in the society.
3. **Long-Term Social Impact** – We are working through how to establish an effective practice for longitudinal tracking of outcomes of prior winners.

**Other information:**

The Scholarships Committee worked with the Committee on Rules to submit changes to ASME Policy 13-5 to update the policy to be more inclusive of Community College students who are pursuing an engineering pathway.

**Report to the Board**  
Engineering Operations (SES)  
June 2022 – November 2022

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**Top Key Accomplishments:**

1. **Engagement & Outreach** team continues to proactively reach out to certificate holders that were/are coming up for renewal. Since the last meeting, the team has worked with the Marketing Operations team to automate notifications using HubSpot.
2. **Systems Management - LearningBuilder** - ASME Personnel Certification has launched the ability for Certificate Holders to download a high-quality image of their current certificate(s). The process as implemented relies on real-time, secure, and validated data to provide the customer a digital badge with the same information that was on the hard copy historically.

**Challenges:**

1. **Onsite/Virtual Activities**- A majority of ASME certification and accreditation audits are back to being conducted physically onsite at the applicant's location. ASME staff is working with volunteers to ensure videoconferencing capabilities are incorporated into our procedures as an option for staff to utilize when appropriate in the future.
2. **Systems Management - CA Connect** – continuing to work through issues related to the launch of ASME's new customer SSO platform. We are also planning infrastructure work to alleviate performance outages while testing the new release of the Fabric platform before it goes to production.

**Other information:**

**Systems Management - CS Connect** – ASME Staff, along with INFOBEANS and Salesforce representatives, held a two-day in-person summit to reconcile the project plan to replace the platform with the suite of DX projects that ASME has underway. We are currently waiting on a new proposal, a new proposal, new contract to be signed off. It is anticipated that we will see increased participation from the DX team to ensure project delivery and success.

**Hydrogen for a Green Economy – New Product Development** (NPD) is facilitating the *Hydrogen for a Green Economy Steering Committee* in identifying and recommending new products and services around hydrogen with a consideration of economic factors for the emerging green economy. This effort includes the first phase product for an *ASME Guideline for Hydrogen Applications* as the baseline to establish future products/services for commercial applications.

The SES Team participated at the Hydrogen Expo Italy in June 2022, which was well-attended (~5000) with much interest in ASME's hydrogen efforts, along with QPS. 80 specific contacts were obtained, along with questionnaire responses detailing their interest and needs. The event was conducted through technical interests, including fuel cell material, instrumentation/analysis and testing, components (e.g., heat

exchangers, valves) hydrogen production, storage, and certification. Two recurring issues were hydrogen applications through the fleet of existing standards for electrolyzers and valves and the potential need for new standards. The Team also held separate overview training with inspection personnel.

An SES Team is similarly developing content for a presence at the HyVolution Paris in February 2023, including both nuclear and QPS focus. Additionally, the B31.12 International Working Group-Europe on Hydrogen Piping and Pipelines will be meeting.

### **Space**

Working closely with the TEC groups in identifying opportunities for new products and services in propulsion, habitat sustainability, energy, materials, etc., which includes participation at a variety of event, along with the development of an ASME roadmap for space priorities, communication, and collaboration across the Society. Also, communicating with NASA on opportunities for standards activities related to safe in-space operating practices for space reactors.

**Report to the Board**  
Standards Operations (SES)  
June 2022 – November 2022

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**Top Key Accomplishments:**

1. New Publications
  - a. Standard: ASME Y14.46-2022, Product Definition Practices for Additive Manufacturing
  - b. Standard: ASME MBE-1-2022, Model Based Enterprise
  - c. Standard: ASME PTC 53-2022, Mechanical and Thermal Energy Storage Systems Performance Test Code
  - d. Standard: ASME VVUQ 10.2-2021, Role of Uncertainty Quantification in Verification and Validation of Computational Solid Mechanics Models
2. Since the May 2022 face-to-face BPV Code Week, additional ASME standards committees have resumed in-person meetings for the first time in over two years. Of note, the A17 Elevators, Bioprocessing Equipment, B16, B30 Cranes, B31 Piping, Joint Committee on Nuclear Risk Management, Pressure Vessels for Human Occupancy, Nuclear Quality Assurance, Y14 and B89 meetings have been held recently or will convene later this fall. The next face-to-face 2022 BPV Code Week is scheduled for November 6-11, 2022, in Pittsburgh, PA.
3. Addendum to the 11/2021 – 6/2022 BoG Report: The 2022 V&V Symposium on Verification, Validation, and Uncertainty Quantification was convened as a face-to-face event at Texas A&M University from May 25-26, 2022. The event featured 32 technical presentations which include five technical publications and one challenge problem with three technical presentations. We also had some Student posters. Five VVUQ Subcommittees and the Standards Committee held their meetings on May 23–24, 2022 in conjunction with the event.

**Challenges:**

1. C&S Connect replacement: The SES staff continues to collaborate with the ASME Enterprise Technology Strategy team. These combined ASME teams made significant progress in areas of architecture, design, and governance during a recent two-day on-site working session.
2. ANSI has recently informed ASME that the public review of ASME's proposed revised procedures is complete, with no comments received. ANSI staff has submitted a list of questions and comments, which SES staff will address prior to the revised procedures being presented to the ANSI ExSC Subcommittee on Accreditation for final review. SES staff teams have been working in parallel to prepare staff and volunteer training modules and workshops on the revised procedures.

**Other information:**

1. Nuclear Codes and Standards staff have been working on an SDO-led Advance and Standards Workshop scheduled for December 1, 2022, to be held at the EP

Washington D.C. The outcome from this event will become a part of the EPRI/NEI AR Roadmap, identifying standards gaps and opportunities for ASME to address to serve the needs of the AR community.

2. Standardization and Testing and Nuclear C&S staff have compiled a presentation highlighting the efforts underway within ASME related to Use of Digital Twins for Nuclear Regulatory Approval and Licensing. The presentation was delivered at (1) the recent NRC Digital Twin Task Force meeting, (2) Oak Ridge National Laboratory, and (3) the ASME "Digital Twins and Advanced Reactor Licensing" meetings during September 2022.

**Report to the Board**  
**Student & Early Career Development Sector**  
June 2022 – November 2022

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**Key Accomplishments:**

1. **FutureME Platform Launch** - SECD will launch the beta version of the FutureME Platform (formerly called the Career Engagement Center) on Saturday, 12 November 2022, during E-Fest Careers. Features in this beta launch include
  - Labor Market Intelligence, with additional market data from the US and India;
  - Opportunity Connector, a tool that allows users to view targeted career development opportunities, such as internships, scholarships, webinars, etc., based on their interests; and the
  - Resource Center, a repository for FutureME career development materials, such as templates, articles, videos, etc.

Throughout the beta launch we will be collecting user feedback on bugs and future feature requests and making iterative changes. FutureME is IAM-integrated, in compliance with ASME's DX strategy, and closely aligned with the CX/EIJ initiative.

2. **Evolved ECEPC Structure** - SECD has reworked the volunteer teams within the Early Career Engineer Programming Committee (ECEPC) to support the FutureME Platform. The teams will assist with managing the product roadmap; creating, editing and moderating content on the platform; developing networking and engagement sessions; and building the FutureME brand's digital presence.
3. **Evolving E-Fest to a Digital Program & Returning to In-Person with EFX** – Although we're seeing signs of digital event fatigue, SECD will continue to host our global E-Fest Careers & E-Fest Digital events online. The events draw participants that otherwise may not be able to travel to an in-person event. We're also developing a suite of virtual, metaverse-style competitions to further drive engagement.

To meet demand for in-person experience, SECD is re-launching in-person EFX events in FY23. We have 20+ events in the pipeline, with our first event in early December in Lebanon. EFX events will evolve to become our local, in-person brand, federated globally, including both sessions and competitions.

**Challenges:**

1. **Digital events fatigue** is driving lower attendance for digital experiences. We are combating this by trying to find the right balance between in-person and digital experiences in the post-pandemic world.
2. **Macro-economic conditions**, such as stock market declines and concerns about a global recession, may impact the number of sponsors and dollar amount of sponsorships we can cultivate for SECD programs.

**Other information:**

E-Fest Careers: November 12, 2022  
E-Fest Digital: March 25, 2023



**Report to the Board**  
TEC Sector  
June 2022 – November 2022

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**Top Key Accomplishments:**

**Financial Report:**

1. TEC has returned to in-person conferences and events while offering the opportunity to participate virtually for those still affected by COVID restrictions. Participation is on par with budget at an average of 65-70% of that we saw in 2019, with highlights such as the International Pipeline Conference in Calgary (September) that was sold out.
2. TEC continues to seek out and respond to new funding opportunities for this fiscal year. Three new activities were funded since July. The remaining TEC funds are adequate to support new initiatives throughout the fiscal year.

**Initiatives:**

The TEC has initiated activities in the following key areas:

1. Strategic Planning - Face to face sessions were held for the TEC Council and Technology Groups with the Divisions and Research Committees meeting scheduled for IMECE.
2. Communications - The Assembly of Divisions & Research Committees and Assembly of Technology Group Chairs meetings have been held regularly with improving trends in attendance and participation. TEC has initiated a quarterly newsletter to improve communication among the TEC stakeholders.

**Completed Activities:**

1. Formal TEC Mission and Vision statements have been approved by the TEC Council.
2. The TEC Operating Guide has been completed and was approved (with revisions) by COR on Oct. 4, 2022.
3. Industry engagement and conference surplus share agreement task forces conducted their first meetings in FY23.

**Continuing Areas for Improvement:**

- a. Use the Technology Groups (TG) to identify new trends and products:
  - i. Robotics TG conducted a road mapping workshop in August
  - ii. Digitalization TG will initiate a DigEtalk webinar series
  - iii. Clean Energy TG is supporting a panel discussion at ACES in November.
- b. Map the Technical Divisions to conferences and to the ASME strategy to evaluate new opportunities.

**Challenges:**

With COVID, competition for budget dollars for our attendees to travel to technical conferences is a challenge, as such we are working with divisions to improve content and netw make our conferences their first choice. The new TEC Director for Product Management will be

working closely with TEC operations staff and events management staff on these areas. Expanding our marketing efforts for new activities will be a key need as we must find ways to market outside of those we already know.

**Report to the Board**  
VOLT Executive Committee  
June 2022 – November 2022

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**Top Key Accomplishments:**

1. VOLT offered the first in-person event for ECLIPSE interns since November 2019 at the June 2022 Annual Meeting in Scottsdale. Nineteen interns from the 2021, 2022, and 2023 intern cohorts attended. The event offered an opportunity for interns to develop their skills, network with senior leadership, and for the outgoing class to present their group project on Increasing Opportunities for ASME Involvement among International Early Career Engineers to the Board of Governors and participants at the Annual Meeting.
2. The New Chair & Volunteer Leader Orientation and Training was offered in September 2022. This was offered as a blended opportunity with 50 minutes of asynchronous training via video modules, followed by a live training over Zoom. The live portion was divided across two sessions: one for leaders of units under the sectors and one for section leaders including student sections. There were 37 participants, including volunteers from across the sectors as well as section and student section leaders. The training covered effective meetings, practicing inclusion, communication, and succession planning among other topics. The average overall rating participants gave the training was 3.67/4.00.
3. The VOLT Executive Committee held a planning meeting September 9-11 at the Houston Office. The committee discussed its overall strategy and plans for the year ahead, as well as evaluating all current programs for strengths, opportunities, and challenges. Program leads will use the outcomes from this work to strengthen program offerings and reach over the coming year.

**Challenges:**

- Marketing and outreach to the targeted audience for VOLT programs continues to be a challenge and will be a focus for the committee this year.
- Zoom fatigue and increased demands during work hours for VOLT participants have been a challenge for VOLT's virtual programming.

**Other information:**

- The application period for the 2023-2024 ECLIPSE program is now open. Applications will be accepted through February 6, 2023.
- Participants and mentors have been identified and matched for the Volunteer Leadership Pathway pilot year two. At the conclusion of the pilot, VOLT will assess the outcomes and determine how to expand the reach and scale up the program.