



Two Park Avenue
New York, NY
10016-5990 U.S.A.

tel 1.212.591.7000
fax 1.212.591.7674
www.asme.org

DRAFT AGENDA
2018 – 2019 BOARD OF GOVERNORS
Sunday, June 2, 2019 – 9:00 am to 4:00 pm
Palazzo A-C, Lobby Level
JW Marriott Grande Lakes, Orlando, Florida

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

- 1.1. Call to Order
Said Jahanmir
- 1.2. Adoption of the Agenda ACTION
- 1.3. Announcements (5 minutes) DISCUSSION
- 1.4. President's Remarks (10 minutes) DISCUSSION
Said Jahanmir
- 1.5. Executive Director/CEO's Remarks (10 minutes) DISCUSSION
Tom Costabile
- 1.6. 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.
 - 1.6.1. Approval of Minutes from April 8, 2019 Meeting
 - 1.6.2. By-Law Amendments on Chief Financial Officer
 - 1.6.3. By-Law Amendments on Philanthropy Committee
 - 1.6.4. By-Law Amendment – Senior Vice Presidents
 - 1.6.5. Pension Plan Trustee Members
 - 1.6.6. Proposed Appointments – Sectors/Committees

2. Open Session Agenda Items

- 2.1. Presidential Task Force on Nomination Process Final Report INFORMATION
Howard Berkof (30 minutes)
- 2.2. Foundation Case for Support (45 minutes) INFORMATION
Kathleen Lobb and Anand Sethupathy

Extended Break with photo (10:45 AM – 11:30 AM)

- 2.3. ASME Programs Update (30 minutes) INFORMATION
Anand Sethupathy

Lunch (12:00 PM – 12:45 PM) Del Lago 1-2, Lower Level

- 2.4. ASME.org Update (30 minutes) INFORMATION
 Josh Heitsenrether
- 2.5. ED/CEO Q3 Update & Fiscal Year End Projections (30 minutes) INFORMATION
 Tom Costabile
- 2.6. Standards & Certification Senior Vice President Recommendation INFORMATION
 Sam Korellis (5 minutes)
- 2.7. Comments from Outgoing Board Members and ECLIPSE Intern (15 minutes)
 Mahantesh Hiremath, Karen Ohland, Bill Wepfer, and Khosro Shirvani
- 2.8. Reflections on the Past Year (10 minutes)
 Said Jahanmir

Break (2:15 PM – 2:45 PM)

3. New Business

4. Open Session Information Items

- 4.1. Approved Society Awards Listing
- 4.2. CY 2018 Fellows Listing
- 4.3. Sector Management Committee Report
- 4.4. Dates of Future Meetings

DATE	DAY	TIME	LOCATION
June 5, 2018	Wednesday	10:00 AM - 3:00 PM	Orlando, Florida
July 8-10, 2019 Planning Meeting	Monday- Wednesday	July 8: beginning at 12:00 PM July 10: ending at 12:00 PM	Newport, Rhode Island
Sep-Oct 2019	TBA	TBA	Conference Call
November 9, 2019	Saturday	8:30 AM - 4:30 PM	Salt Lake City, Utah

5. Adjournment

List of Appendices

- 1.6.2 By-Law Amendments on Chief Financial Officer
- 1.6.3 By-Law Amendments on Philanthropy Committee
- 1.6.4 By-Law Amendment – Senior Vice Presidents
- 1.6.5 Pension Plan Trustee Members
- 1.6.6 Proposed Appointments – Sectors/Committees
- 2.1 Presidential Task Force on Nomination Process Final Report
- 2.2 Foundation Case for Support
- 2.3 ASME Programs Update
- 2.4 ASME.org Update
- 2.5 ED/CEO Q3 Update & Fiscal Year End Projections
- 4.1 Approved Society Awards Listing
- 4.2 CY 2018 Fellows Listing
- 4.3 Sector Management Committee Report

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

Date Submitted: May 1, 2019
BOG Meeting Date: June 2, 2019

To: Board of Governors
From: Fred Stong, COR Chair

Agenda Title: Chief Financial Officer

Agenda Item Executive Summary:

The attached By-Law amendments reflect a change in the title from Assistant Treasurer to Chief Financial Officer. The duties of the Chief Financial Officer have been updated.

Other amendments reflect a change in the title of the Second Assistant Treasurer to Assistant Treasurer. The duties of the Assistant Treasurer have been updated.

Proposed motions for BOG Action:

To approve for first reading the changes to By-Laws B4.1, B4.3, B4.4, B5.2 and B6.2.

Attachments: Document attached.

B4.1 GOVERNMENT

- B4.1.1.1 The Society and its individual members shall be governed by this Constitution and these By-Laws and by the current Society Policies and procedures established by the Board of Governors, including any amendments that may be made from time to time.
- B4.1.1.2 Notwithstanding any other provisions of these articles, the organization is organized exclusively for one or more of the purposes as specified in Section 501(c) 3 of the Internal Revenue Code of 1986, and shall not carry on any activities not permitted to be carried on by an organization exempt from Federal income tax under IRC 501(c) 3 or corresponding provisions of any subsequent Federal tax laws.
- B4.1.2.1 Each unit of the Society may specify the requirements for a quorum of that unit in its By-laws, Rules and Procedures or Operation Guide. If no quorum requirements are specified a quorum shall be one half or more of the voting members of the unit.
- B4.1.2.2 Every question which shall come before a meeting of any unit of the Society shall be decided by a majority of the votes cast, unless otherwise provided in the Constitution and By-Laws, by the Society Policies, or by the laws of the State of New York.
- B4.1.3 The rules contained in the latest edition of *Robert's Rules of Order Newly Revised* shall govern the Society in all cases to which they are applicable, when not inconsistent with the Constitution or By-Laws of this Society.
- B4.1.4.1 An Annual Report shall be prepared for the fiscal year ending on June 30.
- B4.1.4.2 The material included in the portion of the report covering the Society year shall show the following in appropriate detail:
- a. A report by the President;
 - b. A listing of the Society Officers;
 - c. Summaries of major Society activities; and
 - d. A listing of recipients of Society awards
- B4.1.4.3 The material included in the portion of the report covering each fiscal year shall show the following in appropriate detail:
- a. The number of Society members at the beginning and end of the fiscal year and a statement of the place where the names and addresses of the members may be found;
 - b. The assets and liabilities of the Society including trust funds, at the beginning and end of the fiscal year;
 - c. The revenue or receipts of the Society, both unrestricted and restricted to particular purposes, during the fiscal year; and
 - d. The expenses or disbursements of the Society for both general and restricted purposes during the fiscal year.

B4.1.4.4 The financial information described in B4.1.4.3 b, c, and d shall be verified by the President and the Treasurer, subject to completion of the annual audit by the outside auditors who are appointed by the Board of Governors and ratified by the membership at the first Business Meeting of each fiscal year.

B4.1.4.5 At the first Business Meeting of each fiscal year, the Annual Report, including the information described in B4.1.4.2 and B4.1.4.3, as verified according to B4.1.4.4, shall be presented by the Executive Director and Treasurer to the members assembled and made available to the membership. The Annual Report shall be filed with the records of the Society, and either a copy or an abstract thereof entered in the minutes of the proceedings of that Business Meeting.

B4.1.5 Any officer of the Society or member of any sector, board, committee, or other unit of the Society appointed or elected by the Board of Governors or by any unit of the Society may be removed or suspended from such office or membership by the Board of Governors for cause (which shall include, without limitation, violations of fiduciary duty, racial or other improper discrimination, sexual harassment and defamation).

Any officer of the Society or member of such sector, board, committee or other unit of the Society elected by the corporate membership may be removed for cause only by the vote of the corporate membership, but his or her authority to act as such officer or member may be suspended by the Board of Governors for cause.

Removal for cause by the Board of Governors shall require an affirmative vote of seven members of the Board of Governors. Suspension for cause shall require the vote of a majority of the members of the Board of Governors present at the time of the vote, provided that a quorum is present.

Written notice shall be given to the person to be removed or suspended for cause as early as practicable and in any event at least five days before any action is to be taken by the Board of Governors. The person to be removed or suspended for cause shall be given an opportunity to present a defense to the Board of Governors.

B4.1.6.1 If a nominee for the Board of Governors is unable to stand for election, the Nominating Committee shall recommend to the Board of Governors another nominee to fill the slate.

If a person elected to the Board of Governors is unable to take office, the Board of Governors shall fill the vacant position by appointment.

If a vacancy occurs on the Board of Governors after an elected Governor has been seated, the Board of Governors shall fill the vacancy by appointment for the unexpired portion of the term.

B4.1.6.2 In filling the office of President, the procedure shall be as follows: The most recent available past President shall act as President pro tem and shall call an executive session of the Board of Governors within one month after the vacancy in the Presidency occurs, at which session the Board of Governors shall elect a President to complete the unexpired portion of the presidential term. The new President shall be chosen from among those who are past Presidents, past or current senior vice presidents, or past or current members of the Board of Governors.

If for any reason the President-elect is unable to take office or the nominee for President is unable to stand for election, the Nominating Committee shall be convened immediately and select another nominee for the office of President.

Election of a new President-elect shall be by special ballot provided to each corporate member.

B4.1.6.3 If a senior vice president elect is unable to take office, the Board of Governors will appoint another nominee to fill the office. A replacement nominee shall be proposed to the Board of Governors in accordance with the procedures of each sector.

B4.1.6.4 Any vacancy in the office of senior vice president, Executive Director, Secretary, Treasurer, Assistant Secretary, Chief Financial Officer or Assistant Treasurer shall be filled by the Board of Governors.

If a senior vice president position becomes vacant during an incumbent's term of office, the Board of Governors shall fill the vacancy by appointment for the unexpired portion of the term. A replacement nominee shall be proposed to the Board of Governors in accordance with the procedures of each sector.

B4.1.7 An act of the Board of Governors which shall have received the expressed or implied sanction of the corporate membership at the following Business Meeting of the Society shall be deemed to be an act of the Society and cannot afterward be impeached by any member.

B4.1.8 A person shall not be an officer of the Society in two different elective offices at the same time. A person who has been elected to a position of an officer of the Society shall not be nominated for another elective office of the Society if there is any overlapping of the term of the proposed office with the term of the office to which that person has already been elected.

B4.1.9 The Board of Governors may create such special committees as it may deem desirable. The members of such committees shall be appointed by the President with the consent of the Board. Special committees shall have only the powers specifically delegated to them by the Board. If a special committee shall include individuals who are not Governors, it is not a committee of the Board and may not bind the Board.

Each special committee shall serve at the pleasure of the Board. Any or all members of any committee may be removed, with or without cause, by resolution of the Board of Governors, adopted by a majority of the Board.

Any committee may adopt rules governing the method of calling and time and place of holding its meetings. Unless otherwise provided by the Board, a majority of any committee shall constitute a quorum for the transaction of business, and the act of a majority of the members of the committee present at a meeting at which a quorum is present shall be the act of the committee. Each committee shall keep a record of its acts and proceedings and shall report thereon to the Board whenever requested to do so.

Any action required or permitted to be taken by the Board or any special committee may be taken without a meeting if all members of the Board or the committee consent in writing or by electronic mail to the adoption of a resolution authorizing the action. The resolution and the written consent thereto shall be filed with the minutes of the proceedings of the Board or the committee.

Any one or more members of the Board or any special committee may participate in a meeting of the Board or committee by means of a conference telephone, videoconference, or similar communications equipment, allowing all persons participating in the meeting to hear each other at the time, propose, object to and vote on specific actions to be taken by the Board or committee. Participating by such means shall constitute presence in person at the meeting. All members of the Board or any special committee must be given adequate prior notice about the arrangements for such meetings.

- B4.1.10 The Board of Governors may delegate to the sectors and the standing committees of the Board as established in these By-Laws, for a period of one year, specific responsibilities for the management of one or more programs of the Society, subject to the supervision of the Board and to any limitation prescribed by the Board or by applicable law.
- B4.1.11 Members in office shall continue in their respective offices until their successors have been elected or appointed, and have accepted their offices.

B4.3 OFFICERS

B4.3.1 The officers shall perform the duties regularly or customarily attached to their offices under the laws of the State of New York, and such other duties as may be required of them by the Board of Governors or the Constitution and By-Laws.

B4.3.2 The President shall be the chief elected officer of the Society. They shall preside at all Business meetings of the Society and of the Board of Governors, and shall have such other powers and perform such other duties as the Board may from time to time prescribe. The President may not be an employee of the Society.

If the President is unable to preside at any meeting of the Board, the immediate past President shall preside. If that is not possible, the Board shall elect one of its voting members to be Chair of the meeting.

If the President is unable to preside at any Business Meeting of the Society, the immediate past President shall preside. If that is not possible, then the next most-recent available past President shall preside.

The term of the President shall begin at the close of the second Business Meeting of the fiscal year at a time designated by the Board.

B4.3.3 Each senior vice president shall have such powers and perform such duties as the Board of Governors may from time to time prescribe.

B4.3.4.1 The Treasurer ~~shall be the chief financial officer of the Society, and~~ shall have such powers and perform such duties as the Board of Governors may from time to time prescribe. The Treasurer shall supervise, review and audit the activities of the ~~Assistant Treasurer~~ Chief Financial Officer in carrying out the assigned duties as generally are incident to the position of ~~Assistant Treasurer~~ Chief Financial Officer or as may be otherwise assigned to him or her by the ~~Treasurer or the~~ Board of Governors. The Treasurer shall be a volunteer member of the Society.

B4.3.4.2 The ~~Assistant Treasurer~~ Chief Financial Officer shall have charge of all funds and securities of the Society, shall endorse the same for deposit or collection when necessary and deposit the same to the credit of the Society in such banks or depositories as the Board of Governors may authorize. They ~~Chief Financial Officer~~ may endorse all commercial documents requiring endorsements for or on behalf of the Society and may sign all receipts and vouchers for payments made to the Society. They shall have all such further powers and duties as generally are incident to the position of ~~Assistant Treasurer~~ Chief Financial Officer or as may be assigned to him or her by the Treasurer or the Board of Governors. In the absence or inability to act of the Treasurer, the ~~Assistant Treasurer~~ Chief Financial Officer may perform all the duties and exercise all the powers of the Treasurer. The performance of any such duty shall, in respect of any other person dealing with the Society, be conclusive evidence of their power to act. The ~~Assistant Treasurer~~ Chief Financial Officer shall be an employee of the Society. The Chief Financial Officer shall be an employee of the Society whose compensation is set by the Executive Director/CEO.

B4.3.4.3 The Assistant Treasurer shall have all such powers and duties as generally are incident

to the position of Assistant Treasurer or as may be assigned to them by the Secretary or by the Board of Governors. In the absence or inability to act of the Secretary and the Chief Financial Officer, the Assistant Secretary may perform all the duties and exercise all the powers of the Secretary and the Chief Financial Officer. The performance of any such duties shall, in respect of any other person dealing with the Society, be conclusive evidence of their power to act. The Assistant Treasurer shall be an employee of the Society.

B4.3.5 The Executive Director shall be an employee reporting directly to the Board, an ex officio member of the Board of Governors without vote and the chief executive officer of the Society. The Executive Director shall have supervision, direction and management of the business and affairs of the Corporation, including, but not limited to strategy, operations, finance, marketing, human resources and philanthropic efforts. The Executive Director shall have such powers and perform such duties as the Board of Governors may from time to time prescribe.

B4.3.6.1 The Secretary shall have the responsibility for the records of the Society, and shall have such powers and perform such duties as the Board of Governors may from time to time prescribe. The Secretary shall supervise, review and audit the activities of the Assistant Secretary in carrying out the assigned duties as generally are incident to the position of Assistant Secretary or as may be otherwise assigned to him or her by the Secretary or the Board of Governors. The Secretary shall be a volunteer member of the Society.

B4.3.6.2 The Assistant Secretary shall have all such powers and duties as generally are incident to the position of Assistant Secretary or as may be assigned to him or her by the Secretary or by the Board of Governors. In the absence or inability to act of the Secretary, the Assistant Secretary may perform all the duties and exercise all the powers of the Secretary. The performance of any such duties shall, in respect of any other person dealing with the Society, be conclusive evidence of his or her power to act. The Assistant Secretary shall be an employee of the Society.

B4.3.7 The Executive Director shall receive a salary that shall be fixed by the Board of Governors.

B4.3.8 Among the officers of the Society, there shall be the following senior vice presidents:

Senior Vice President for Public Affairs and Outreach

Senior Vice President for Standards and Certification

Senior Vice President for Student and Early Career Development

Senior Vice President for Technical Events and Content

The term of each senior vice president shall be three years, beginning and ending at the second Business Meeting of the fiscal year. The terms of approximately one-third of the senior vice presidents shall end each year, according to a schedule approved by the Board of Governors.

B4.4 FUNDS

- B4.4.1 All funds received shall be directed to the office of the ~~Assistant Treasurer~~Chief Financial Officer for proper recording and deposit in authorized bank accounts.
- B4.4.2 All amounts due from members and others shall be collected by the office of the ~~Assistant Treasurer~~Chief Financial Officer.
- B4.4.3 Funds may be solicited from sources outside of the Society for the conduct of research.
- B4.4.4 No gifts or bequests to the Society shall be accepted until they have been approved by the Board of Governors. Upon receipt, such gifts shall be invested and either the capital and/or the income shall be used for the specific purpose for which the gift was designated.
- B4.4.5 The Committee on Finance and Investment, under the direction of the Board of Governors, shall be responsible for the management of the securities of the Society.
- B4.4.6 All payments for expenditures shall be made by the office of the ~~Assistant Treasurer~~Chief Financial Officer upon proper authorization, in accordance with the budget adopted by the Board of Governors.
- B4.4.7 The ~~Assistant Treasurer~~Chief Financial Officer shall regularly report to the Committee on Finance and Investment the total expenditures incurred against each appropriation in the adopted budget. The Committee on Finance and Investment will report the financial position of the Society to the Board of Governors.
- B4.4.8 Any contract or other obligation to pay money in the work of the Society shall be valid only when signed by the Executive Director, the ~~Assistant Treasurer~~Chief Financial Officer, or the ~~Second~~ Assistant Treasurer.
- B4.4.9 The accounts of the Society shall be audited annually by a certified public accountant appointed by the Board of Governors and ratified by the corporate membership.
- B4.4.10 No part of net earnings of the organization shall inure to the benefit of any member, trustee, director, officer of the organization, or any private individual (except that reasonable compensation may be paid for the services rendered to or for the organization), and no member, trustee, officer of the organization or any private individual shall be entitled to share in the distribution of any of the organization's assets on dissolution of the organization.

B4.4.11 In the event of dissolution, all of the remaining assets and property of the organization shall, after payment of necessary expenses thereof, be distributed to such organizations as shall qualify under section 501(c) 3 of the Internal Revenue Code of 1986.

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 Standards and Certification Sector, Technical Events and Content 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: Committee on Organization and Rules, Committee on Finance and Investment, Audit Committee, Committee on Executive Director Evaluation and Staff Compensation, Strategy Advisory Committee, Committee on Honors, Committee of Past Presidents, and the Sector Management 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; provided, however, that the Committee on Finance and Investment may bind the Board with respect to investment matters without regard to whether it includes individuals who are not Governors.

B5.2.3.1 The Committee on Organization and Rules, under the direction of the Board of Governors, shall have responsibility for ensuring that the Society is organized and supplied with qualified leadership to serve the current and anticipated future needs of the membership, and shall reexamine regularly the Constitution, By-Laws and Policies of the Society.

B5.2.3.2 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-Elect may select a Governor to serve as Liaison to the Committee during their Presidential term.

B5.2.4.1 The Committee on Finance and Investment, under the direction of the Board of Governors, shall have responsibility for supervising the financial and investment affairs of the Society, and supporting the Board and its committees by conducting an annual review of the Society's budgets.

B5.2.4.2 The Committee on Finance and Investment shall select its own Chair.

The Treasurer shall be an ex officio member of the Committee with vote and shall serve as Vice Chair. The ~~Assistant Treasurer~~Chief Financial Officer and the ~~Second Assistant Treasurer~~ shall be ex officio members of the Committee without vote. Other members shall be determined by the Board of Governors. The President-Elect may select a Governor to serve as Liaison to the Committee during their Presidential term.

B5.2.5.1 The Committee on Executive Director 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's performance planning and evaluation and for making recommendations to the Board regarding the Executive Director'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; volunteer/staff collaboration survey; staff planning and organization; staff training and development; staff and retiree benefit programs, including pension plans. 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 Pension Plan Trustees and the Retirement Plan Committee.

B5.2.5.2 The Committee on Executive Director Evaluation and Staff Compensation shall consist of the President, the President-Nominee/Elect, the Immediate Past President and three current Board members at-large (serving staggered terms on the Board). The President and Immediate Past President are ex officio members of the committee with vote. The President-Nominee/Elect is an ex officio member of the Committee without vote. The Immediate Past President shall be the Chair. The incoming first-year Governor shall be selected by the President-Elect and approved by the Board of Governors.

The term of each of the current Board members at-large expires when their Board term expires.

B5.2.5.3 The Pension Plan Trustees, under the direction of the Committee on Executive Director Evaluation and Staff Compensation, shall have responsibility, as specified in the American Society of Mechanical Engineers Pension Plan, for the investment and ultimate distribution of the funds and may also act as Plan agent for the service of legal process.

The Pension Plan Trustees shall consist of up to seven members: the Treasurer of ASME; the ~~Assistant Treasurer~~Chief Financial Officer, and three to five at-large members recommended by the Committee on Executive Director Evaluation and Staff Compensation for appointment by the Board of Governors.

The terms of the at-large members shall be three years ending at the close of the second Society-Wide Meeting on a schedule established by the Committee on Executive Director Evaluation and Staff Compensation. Except as provided in this section, a Pension Plan Trustee who is a member-at-large may serve no more than two consecutive full terms. To be eligible for additional full terms, a member-at-large must be nominated by the Committee on Executive Director Evaluation and Staff Compensation upon a finding

by the Committee that specifies exceptional circumstances warranting the additional terms, and a written statement of such findings must accompany the nomination when it is communicated to the Board of Governors by the Chair of the Committee. The nominee may then be appointed only upon the affirmative vote of two-thirds of the entire Board of Governors.

B5.2.5.4 The Retirement Plan Committee, under the direction of the Committee on Executive Director 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 of the Pension Plan Trustees. The three staff members will be nominated by the Executive Director and appointed at the discretion of the EDESC. The pension plan trustee shall be recommended by the Pension Plan Trustees and may be 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 B5.2.5.4. The Pension Plan Trustee member's term will be for as long as they are a member of the Pension Plan Trustees.

B5.2.6.1 The Strategy Advisory Committee, under the direction of the Board of Governors, shall have responsibility for providing recommendations and guidance on tasks related to ASME's strategy and planning.

B5.2.6.2 The Strategy Advisory Committee shall consist of the President, two current Board members-at-large (serving staggered terms, one second year and one third year), one representative from the Industry Advisory Board, and the senior staff member responsible for Strategy. The incoming second-year Governor shall be selected by the President- Elect and approved by the Board of Governors. The term of the Board members-at-large expires when their Board term expires. The representative from the Industry Advisory Board will be recommended annually by the Chair of the Industry Advisory Board and approved by the Board of Governors.

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-Elect 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.

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 Board members-at-large (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 ~~Assistant Treasurer~~Chief Financial Officer and the ~~Second~~-Assistant Treasurer shall be ex officio members of the Committee without vote. The President-Elect makes the recommendation on the incoming first-year Board member-at-large. The term of the Board members-at-large expires when their Board term expires.

B5.2.10.1 The Sector Management Committee, under the direction of the Board of Governors, shall have responsibility for facilitating communication and collaboration among the Sectors. This includes coordination, integration, and facilitation for implementation of the enterprise strategy with the development, maintenance and execution of the Integrated Operating Plan,

B5.2.10.2 The Sector Management Committee shall consist of the Senior Vice Presidents and the Chair of the Group Engagement Committee, their respective staff counterparts, and the staff member with overall responsibility for operations. The Co-Chairs of the Committee shall be the Senior Vice President in their third year and the staff member with overall responsibility for operations. The President-Nominee/elect will serve as an advisor to the Committee.

B6.2 VOTING AT OR BY PROXY AT THE FIRST BUSINESS MEETING OF THE FISCAL YEAR

B6.2.1 Ten to 60 days prior to the first Business Meeting of the fiscal year, the Executive Director shall provide a proxy to each corporate member. This proxy shall solicit the authorization by such member for the three most recent available past Presidents or any one of them to exercise the vote of the corporate member for the election of officers and for any other business that is presented to the first Business Meeting of the fiscal year or any adjournment thereof. A list of the nominees proposed by the Nominating Committee and any special nominating committee shall be a part of the proxy distribution.

A member shall return the proxy in a manner specified by the Society, which may be by mail, facsimile or electronic mail, provided such electronic mail is transmitted with information from which it can be reasonably determined that the proxy was authorized by such member.

B6.2.2 If any special nominating committee (as defined in B4.2.8) has been organized and has presented a list of nominees to the Executive Director, the Executive Director shall provide to each member entitled to vote a proxy listing the nominees proposed by the Nominating Committee and the nominees proposed by such special nominating committee. Biographical and other material included with the proxy shall give equal exposure to all nominees.

B6.2.3 On or before the first day of October each year, the President shall appoint a Committee of Inspectors of Proxies and Ballots, whose duty shall be to supervise the examination, validation, and counting of proxies and to report at the first Business Meeting of the fiscal year as to the number of members represented there by proxy.

The Committee shall consist of a corporate member, and either the ~~Assistant Treasurer~~ **Chief Financial Officer** or the Assistant Secretary and shall include a member or representative of any special nominating committee whose slate has been distributed. The Committee shall supervise the counting of the ballots at the first Business Meeting of the fiscal year.

B6.2.4 At the first Business Meeting of the fiscal year the Committee of Inspectors of Proxies and Ballots shall report on the number of proxies thereon returned by corporate members. Following the report of the Committee of Inspectors of Proxies and Ballots, the Presiding Officer shall conduct an election for officers of the Society. Corporate members present who have not executed proxies will vote in person. Corporate members who have executed proxies but have withdrawn the proxies prior to the tabulation presented by the Committee of Inspectors of Proxies and Ballots, may also vote in person. Corporate members holding valid proxies will cast proxy ballots. When the results of the election are known, the Presiding Officer will announce the results of the election to the Business Meeting.

- B6.2.5 The terms of office of those elected at the first Business Meeting of the fiscal year shall begin at the second Business Meeting of the fiscal year at a specific time designated each year by the Board of Governors.

ASME Board of Governors Agenda Item Cover Memo

Date Submitted: May 1, 2019
BOG Meeting Date: June 2, 2019
To: Board of Governors
From: Committee on Organization and Rules
Presented by: Fred Stong, Chair
Agenda Title: ASME Philanthropy Committee

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

A change to By-Law B-4.4 on gift acceptance is being proposed.

A Committee reporting to the Board of Governors which is responsible for fundraising activities and philanthropic programs is being added to By-Law B-5.2.

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

To approve for first reading the changes to By-Law B-4.4 and By-Law B-5.2.

Attachments: Red-lined By-Law change.

B4.4 FUNDS

- B4.4.1 All funds received shall be directed to the office of the Assistant Treasurer for proper recording and deposit in authorized bank accounts.
- B4.4.2 All amounts due from members and others shall be collected by the office of the Assistant Treasurer.
- B4.4.3 Funds may be solicited from sources outside of the Society for the conduct of research.
- B4.4.4 No ~~grant, gifts~~ or ~~bequests~~ to the Society shall be accepted until ~~they it and any~~ restrictions thereon have been approved by or under the authority of the Board of Governors. Upon receipt, such grants, gifts and bequests shall be invested and used for the Society's purposes and in accordance with any restrictions thereon mandated by the donor and approved by or under the authority of the Board of Governor~~either the capital and/or the income shall be used for the specific purpose for which the gift was designated.~~
- B4.4.5 The Committee on Finance and Investment, under the direction of the Board of Governors, shall be responsible for the management of the securities of the Society.
- B4.4.6 All payments for expenditures shall be made by the office of the Assistant Treasurer upon proper authorization, in accordance with the budget adopted by the Board of Governors.
- B4.4.7 The Assistant Treasurer shall regularly report to the Committee on Finance and Investment the total expenditures incurred against each appropriation in the adopted budget. The Committee on Finance and Investment will report the financial position of the Society to the Board of Governors.
- B4.4.8 Any contract or other obligation to pay money in the work of the Society shall be valid only when signed by the Executive Director, the Assistant Treasurer, or the Second Assistant Treasurer.
- B4.4.9 The accounts of the Society shall be audited annually by a certified public accountant appointed by the Board of Governors and ratified by the corporate membership.
- B4.4.10 No part of net earnings of the organization shall inure to the benefit of any member, trustee, director, officer of the organization, or any private individual (except that reasonable compensation may be paid for the services rendered to or for the organization), and no member, trustee, officer of the organization or any private individual shall be entitled to share in the distribution of any of the organization's assets on dissolution of the organization.

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 Standards and Certification Sector, Technical Events and Content 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: Committee on Organization and Rules, Committee on Finance and Investment, Audit Committee, Committee on Executive Director Evaluation and Staff Compensation, Strategy Advisory Committee, Committee on Honors, Committee of Past Presidents, and ~~the~~ Sector Management Committee and the Philanthropy 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; provided, however, that the Committee on Finance and Investment may bind the Board with respect to investment matters without regard to whether it includes individuals who are not Governors.

B5.2.3.1 The Committee on Organization and Rules, under the direction of the Board of Governors, shall have responsibility for ensuring that the Society is organized and supplied with qualified leadership to serve the current and anticipated future needs of the membership, and shall reexamine regularly the Constitution, By-Laws and Policies of the Society.

B5.2.3.2 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-Elect may select a Governor to serve as Liaison to the Committee during their Presidential term.

B5.2.4.1 The Committee on Finance and Investment, under the direction of the Board of Governors, shall have responsibility for supervising the financial and investment affairs of the Society, and supporting the Board and its committees by conducting an annual review of the Society's budgets.

B5.2.4.2 The Committee on Finance and Investment shall select its own Chair.

The Treasurer shall be an ex officio member of the Committee with vote and shall serve as Vice Chair. The Assistant Treasurer and the Second Assistant Treasurer shall be ex officio members of the Committee without vote. Other members shall be determined by the Board of Governors. The President-Elect may select a Governor to serve as Liaison to the Committee during their Presidential term.

B5.2.5.1 The Committee on Executive Director 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's performance planning and evaluation and for making recommendations to the Board regarding the

Executive Director'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; volunteer/staff collaboration survey; staff planning and organization; staff training and development; staff and retiree benefit programs, including pension plans. 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 Pension Plan Trustees and the Retirement Plan Committee.

- B5.2.5.2 The Committee on Executive Director Evaluation and Staff Compensation shall consist of the President, the President-Nominee/Elect, the Immediate Past President and three current Board members at-large (serving staggered terms on the Board). The President and Immediate Past President are ex officio members of the committee with vote. The President-Nominee/Elect is an ex officio member of the Committee without vote. The Immediate Past President shall be the Chair. The incoming first-year Governor shall be selected by the President-Elect and approved by the Board of Governors.

The term of each of the current Board members at-large expires when their Board term expires.

- B5.2.5.3 The Pension Plan Trustees, under the direction of the Committee on Executive Director Evaluation and Staff Compensation, shall have responsibility, as specified in the American Society of Mechanical Engineers Pension Plan, for the investment and ultimate distribution of the funds and may also act as Plan agent for the service of legal process.

The Pension Plan Trustees shall consist of up to seven members: the Treasurer of ASME; the Assistant Treasurer, and three to five at-large members recommended by the Committee on Executive Director Evaluation and Staff Compensation for appointment by the Board of Governors.

The terms of the at-large members shall be three years ending at the close of the second Society-Wide Meeting on a schedule established by the Committee on Executive Director Evaluation and Staff Compensation. Except as provided in this section, a Pension Plan Trustee who is a member-at-large may serve no more than two consecutive full terms. To be eligible for additional full terms, a member-at-large must be nominated by the Committee on Executive Director Evaluation and Staff Compensation upon a finding by the Committee that specifies exceptional circumstances warranting the additional terms, and a written statement of such findings must accompany the nomination when it is communicated to the Board of Governors by the Chair of the Committee. The nominee may then be appointed only upon the affirmative vote of two-thirds of the entire Board of Governors.

- B5.2.5.4 The Retirement Plan Committee, under the direction of the Committee on Executive Director 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 of the Pension Plan Trustees. The three staff members will be nominated by the Executive Director and appointed at the discretion of the EDESC. The pension plan trustee shall be recommended by the Pension Plan Trustees and may be 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 B5.2.5.4. The Pension Plan Trustee member's term will be for as long as they are a member of the Pension Plan Trustees.

- B5.2.6.1 The Strategy Advisory Committee, under the direction of the Board of Governors, shall have responsibility for providing recommendations and guidance on tasks related to ASME's strategy and planning.
- B5.2.6.2 The Strategy Advisory Committee shall consist of the President, two current Board members-at-large (serving staggered terms, one second year and one third year), one representative from the Industry Advisory Board, and the senior staff member responsible for Strategy. The incoming second-year Governor shall be selected by the President-Elect and approved by the Board of Governors. The term of the Board members-at-large expires when their Board term expires. The representative from the Industry Advisory Board will be recommended annually by the Chair of the Industry Advisory Board and approved by the Board of Governors.
- 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-Elect 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.
- 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 Board members-at-large (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 Assistant Treasurer and the Second Assistant Treasurer shall be ex officio members of the Committee without vote. The President-Elect makes the recommendation on the incoming first-year Board member-at-large. The term of the Board members-at-large expires when their Board term expires.
- B5.2.10.1 The Sector Management Committee, under the direction of the Board of Governors, shall have responsibility for facilitating communication and collaboration among the Sectors. This includes coordination, integration, and facilitation for implementation of the enterprise strategy with the development, maintenance and execution of the Integrated Operating Plan,
- B5.2.10.2 The Sector Management Committee shall consist of the Senior Vice Presidents and the

Chair of the Group Engagement Committee, their respective staff counterparts, and the staff member with overall responsibility for operations. The Co-Chairs of the Committee shall be the Senior Vice President in their third year and the staff member with overall responsibility for operations. The President-Nominee/elect will serve as an advisor to the Committee.

B5.2.11.1 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.

B5.2.11.2 The Philanthropy Committee shall select its own chair and vice chair. The ASME Executive Director, 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-Elect may select a Governor to serve as Liaison to the Committee during their Presidential term.

ASME Board of Governors Agenda Item Cover Memo

Date Submitted: May 15, 2019
BOG Meeting Date: June 2, 2019
To: Board of Governors
From: Committee on Organization and Rules
Presented by: Fred Stong, Chair
Agenda Title: By-Law Amendment - Senior Vice Presidents

Agenda Item Executive Summary:

Following up on Motion 5 of Item 2.7 from the April 8, 2019 Board minutes, a change to By-Law B4.3.3 to resolve the reporting requirements of the Senior Vice Presidents to the Board of Governors is being proposed:

B4.3.3 Each senior vice president shall be appointed by, and report to, the Board of Governors.
Each senior vice president shall have such powers and perform such duties as the Board of Governors may from time to time prescribe.

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

To approve for first reading the changes to By-Law B4.3.3.

Attachment: None

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

Date Submitted: May 14, 2019
BOG Meeting Date: June 2, 2019

To: Board of Governors
From: Committee on Organization and Rules
Presented by: Fred Stong
Agenda Title: Pension Plan Trustees

Agenda Item Executive Summary:

Proposed appointments for the Pension Plan Trustees reviewed by the COR on May 14, 2019.

Proposed motion for BOG Action:

To approve the attached appointments.

Attachments: Document attached.



I N T E R - O F F I C E M E M O

Date: April 3, 2019

To: Committee on Organization and Rules

From: Charla Wise
Chair, EDESC

Cc: Harry Armen, Chair, PPT

REFERENCE: Request to extend the membership terms of three Pension Plan Trustees (PPT) whose terms are scheduled to end in June of 2019.

The EDESC is requesting Board Approval for the re-appointment of three Trustees to an additional term on the PPT. The initial request was made by PPT Chair, Harry Armen, and approved by the EDESC at their March 7th meeting.

The three members, with terms expiring in June of 2019, are Dick Goldstein (currently serving his third term), Reggie Vachon and Webb Marner (both currently serving their second terms).

The PPT and the COFI have been working closely with our actuaries, consultants and the Board on the termination of the pension plan. Continuity among PPT members is crucial to a successful plan termination, especially during the limited period to plan termination (currently estimated to be sometime in 2020).

In addition to their familiarity of the plan termination plan and their experience as Pension Plan Trustees, these three individuals also have extensive familiarity with the financial aspects of the Society's operations through their time either as a Past President or Treasurer of the Society. Their knowledge of investment options and strategy has been and is critical to the PPT, and therefore the Society. In the past several years, the Trustees have documented and implemented a *Pension Plan Investment Strategy*, created an *Operation Guide* for the unit and revised the *Pension Plan Trust Document*. Over the years, the PPT committee has also adopted a *Liability Driven Investment* model that best matches the Plan investments with the Plan liabilities.

For appointment of members to Society committees for periods exceeding 10 years, Society Policy P-4.4 requires a statement setting forth specific reasons why the appointment is critical to the well-being of the unit. Society By-Law B5.2.5.3 also specifies that in order for a member to serve beyond two terms, the committee must cite exceptional circumstances warranting the additional terms. While it is always valuable to bring in new, qualified people to volunteer positions, I believe the very unique circumstances for the PPT over the near term warrant this exception.

If you have any further questions, please contact me at your convenience.

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

Date Submitted: May 16, 2019
BOG Meeting Date: June 2, 2019

To: Board of Governors
From: Committee on Organization and Rules
Presented by: Fred Stong
Agenda Title: Proposed Appointments –Sectors/Committees

Agenda Item Executive Summary:

Proposed appointments reviewed by the COR on May 16, 2019.

The initial appointments for the six members of the Philanthropy Committee are staggered.

Proposed motion for BOG Action:

To approve the attached appointments.

Attachments: Document attached.

**MAY 2019
PROPOSED APPOINTMENTS TO
ASME UNITS**

Internal Unit	Nominee	Appointment Position/Title	Appointment Term/Category	Appointment Type	History
Council on Standards and Certification	Lonnie Love	Member-at-Large	July 2019 - June 2022	Initial	None
Council on Standards and Certification	Michel Margat	Member-at-Large	July 2019 - June 2022	Reappointment	Board on Hearings and Appeals
Council on Standards and Certification	Shawn Moylan	Member-at-Large	July 2019 - June 2022	Initial	Manufacturing Engineering Division Chair
Council on Standards and Certification	George Rawls	Member-at-Large	July 2019 - June 2022	Initial	BPV Committee on Pressure Vessels
Council on Student and Early Career Development	Justin Young	Member-at-Large	July 2019 - June 2020	Initial	Past Vice President
Philanthropy Committee	Kenneth Balkey	Member-at-Large	July 2019 - June 2020	Initial	Past Vice President
Philanthropy Committee	Jennifer Jewers-Bowlin	Member-at-Large	July 2019 - June 2021	Initial	Past Vice President
Philanthropy Committee	Rudolf Landwaard	Member-at-Large	July 2019 - June 2020	Initial	Past Governor
Philanthropy Committee	Thomas Pestorius	Member-at-Large	July 2019 - June 2022	Initial	Past Secretary and Treasurer
Philanthropy Committee	K. Keith Roe	Member-at-Large	July 2019 - June 2022	Initial	ASME Past President
Philanthropy Committee	Justin Young	Member-at-Large	July 2019 - June 2021	Initial	Past Vice President
Committee on Organization and Rules	Sam Zamrik	Member-at-Large	July 2019 - June 2021	Reappointment	Past President

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

Date Submitted: April 29, 2019
BOG Meeting Date: June 2, 2019

To: Board of Governors
From: Nomination Process Task Force
Presented By: Howard Berkof
Agenda Title: Presidential Task Force on Nomination Process Final Report

Agenda Item Executive Summary:

The Presidential Task Force on Nomination Process concluded its work in May 2019 and submitted a final report to President Jahanmir with recommendations for the continuation of an effective nomination process. The attached presentation is an update to the Board of Governors.

Proposed motion for BOG Action: None

Attachment: PowerPoint Presentation

Presidential Task Force on Nomination Process

Executive Summary Report to President Jahanmir

Nominating Process Task Force

Chair: Howard Berkof

Members: Marc Goldsmith
Twishansh Mehta
Alma Martinez Fallon
Laura Hitchcock
Charla Wise
Thomas Costabile
Richard Laudenat
Said Jahanmir
John Delli Venneri

TF Staff Coordinator: RuthAnn Bigley

Task Force Charge and Purpose

Charge

Review the current process for the nomination of candidates for the Board of Governors and President.

Draft a set of proposed actions to enhance the nominating process for evaluation by the Board of Governors.

Purpose

To enhance the nominating process to ensure a larger qualified pool of candidates for the Board of Governors and President.

Executive Summary

Over the last ten months, the Taskforce (TF) reviewed various topics as they relate to the nomination process. The TF did their due diligence and researched similar best practices of other not-for-profits. The TF identified the Nominating Process:

- Is in general still a “Best Practice,”
- Has areas that could use a little tweaking,
- Is set by the ASME By-laws as a member activity,
- Responsibilities are shared by several parts of the organization.

The TF provides the following recommendations:

- Candidate Vetting: Enable PEDT review of Presidential candidate packages and provide feedback to the NC Chair and Secretary.
- Board Structure: Allow the Board to recommend a candidate to the Nominating Committee (NC), based on financial contribution or subject matter expertise.
- President and Board Member Position Descriptions and Time Commitment: Completed and disseminated.
- Nominating Committee Structure: Provide training on the desired qualifications and character of NC members.
- Volunteer Pipeline: Endorse the organizational changes (Sector growth and alignment). Empower all ASME volunteers and staff to cultivate and develop our future society leaders.

Implementation of these recommendations may require the review of the ASME Constitution, By-Laws and Policies.

Candidate Vetting

The original deadline date for a candidate's letter or intent was in the middle of March. In the past, it has been difficult for the NC Search Assurance Subcommittee to continue recruiting members to run for office so late in the process if they found they didn't have a sufficient number of candidates to run for each position. (Nomination Packets due April 15)

For 2019, the NC instituted a new deadline date of January 31, for receiving a candidate's letter of intent to run for office along with their CV or resume. This has allowed the NC to have a better handle on the number of candidates running for office sooner in the process and the qualifications of each candidate. We concur.

Recommendation

The TF recommends that maintaining continuity and strategic alignment from year to year is critical for ASME's success. Therefore, the TF recommends the President, President Nominee/Elect and Executive Director/CEO review the Presidential candidate packets, interview these candidates and provide feedback to the NC Chair and Secretary.

Board Structure

The TF discussed the current pros and cons of the Board structure both in size and the terms of its members. The TF did their due diligence, researched and benchmarked the structure of other profit and non-profit Boards.

Through this process, the TF identified a best practice whereby Boards have the ability to appoint a voting member-at-large who offers a specific and needed skill set not presently represented on the current Board, and/or the ability to offer a meaningful financial contribution to the Society. As ASME continues to grow and in effort to be more flexible and responsive to emerging needs, the TF agrees it would be beneficial for the Board to have the option of recommending an additional Board slot as needed.

Board Structure

Recommendations

The TF agreed that the current size of the Board and designated terms are good and after heavy deliberation, the TF decided to make no adjustments.

The Board should have the ability to select a voting or non-voting Member-at-Large and ask them to join the Board. If the Board approves this recommendation, ASME staff and legal counsel will review current ASME By-Laws and Policies and provide a recommended path for enactment of this recommendation.

Position Descriptions and Time Commitment

To address the gap of getting a sufficient number of qualified candidates to run for leadership positions, the TF identified a need to provide potential candidates a position description to present to their employers when they are interested in running for an ASME Board position.

Recommendation

The TF completed individual position descriptions and a time commitment document for the roles of the President and a Member-at-Large Board of Governors. These documents were shared during the recruitment process for June 2019. The TF recommends on-going usage with periodic up-dates.

Nominating Committee Structure

The NC needs seasoned volunteers both in ASME activities and in their careers. There is a misconception by some that an NC position is a training ground for newer volunteers, and this needs to be addressed. The NC needs dedicated members who understand how to interview and conduct selections for the society's highest positions of leadership.

Work on the NC can be time consuming during the year and it can become difficult for sectors to find volunteers to be on the NC. Therefore, the NC is working to condense the amount of hours needed to prepare for the selection meeting.

As we educate our senior leadership, both on the staff and volunteer side, on the importance of qualified NC members, the NC will in turn continue to select the most qualified candidates for the open positions of President and three (3) Member-at-Large Governors.

Recommendation

VOLT to provide training on the caliber (experience, expertise, perspective, character, and personality) of volunteers required on the NC to ASME Managing Directors, SVPs and other key staff members responsible for assigning volunteers on the NC.

Volunteer Pipeline

With the elimination of VPs several years ago, the natural process of succession and running for the Board was diminished. Members are not feeling the need to “climb the ASME ladder” to a Board or Presidential position. In the past several years we’ve seen fewer and fewer candidates run for positions on the Board. In talking to members in sections and divisions, many would like to grow in ASME, however, they don’t understand the path they need to take in order to get to a society level position. Without a dedicated, focused effort on the volunteer leadership pipeline, the society is missing out on a cadre of qualified and skilled members that could be the future leadership of the society.

Recommendation

The TF endorses the April 2019 Board approved changes to the Sector structure.

PEDT and other leaders to continue outreach to the membership for qualified and experienced leaders. Empower our current leadership to cultivate and develop the next generation of leaders.

Encourage the PEDT to enlist VOLT in providing volunteer resources and pathways towards leadership roles in ASME. This will help our section level members understand the multiple pathways/opportunities they can follow to ultimately pursue a position on the Board.

Appendix

Additional Items Discussed by the TF

- Assessment of the current Advisors to the Nominating Committee – No change recommended
- Increasing Early Career Engineer presence on the Board
 - Keeping ECLIPSE interns active and engaged after they complete their internship year
- NC reports to the membership (not the Board) and selection of NC members by Sectors
- Vetting Nominating Committee Members
- Keeping former BoG members active and engaged
- Keeping unselected proposed nominees engaged during the year
 - Encouraging them to run for office the next year.



Board of Governors Agenda Item Cover Memo

Date Submitted:	April 30 th , 2019
BOG Meeting Date:	June 2 nd , 2019
To:	Board of Governors
From:	ASME Philanthropy
Presented by:	Kathleen Lobb, Managing Director, Philanthropy Anand Sethupathy, Managing Director, Programs
Agenda Title:	ASME Foundation – Case for Support

Agenda Item Executive Summary:

Over the past few months, the ASME Philanthropy team has been working to develop a “Case for Support.” This Case will be the internal and external messaging used to solicit grants, sponsorships, major gifts and other donations in a significant fundraising effort to support the ASME Foundation’s work. This presentation will provide an overview of the Case for Support and the factors on which it is based.

Proposed motion for BOG Action:

For information and discussion only.

Attachments:

PowerPoint presentation on ASME Foundation - Case for Support



Presentation to the Board of Governors

June 2, 2019

Kathleen Lobb

Managing Director, ASME Philanthropy
Executive Director, ASME Foundation

Anand Sethupathy

Managing Director, ASME Programs

What to Expect From Presentation

- Overview of the ASME Foundation's "Case for Support" and factors on which it is based
- For Board of Governors' information; no action required
- Please hold questions until the end
- 25-minute presentation followed by 20 minutes for Q&A

A New Day for The ASME Foundation

Engineers make our lives better, safer, and more enriching.

The ASME Foundation works to spark a lifelong passion for engineering and to nurture brilliant, innovative solutions.

With the right support, the world-changing possibilities are infinite.

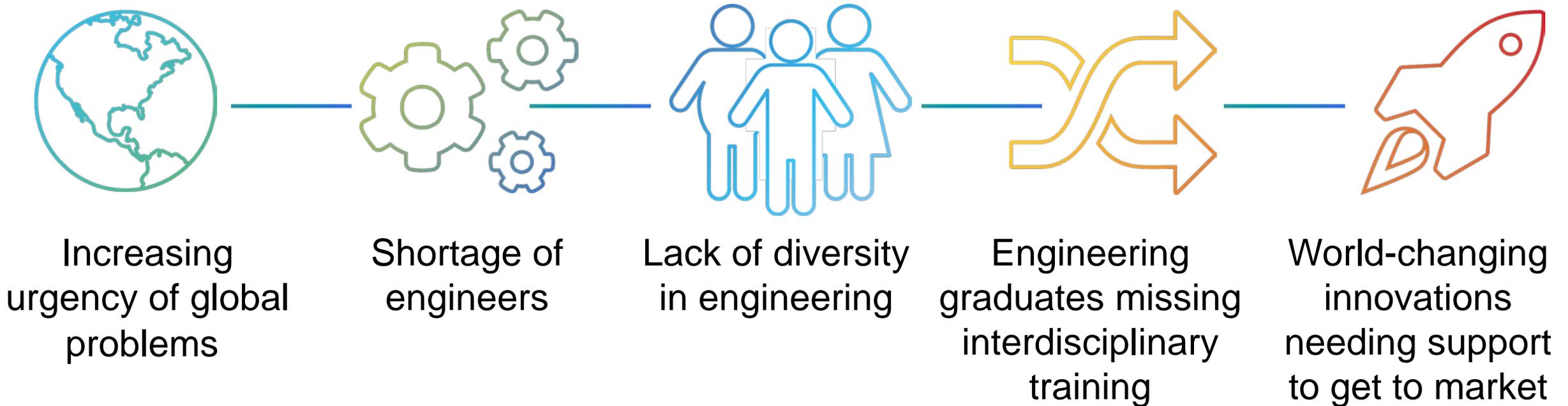
Process to Develop ASME Foundation's Case for Support

- Partner with the Foundation Board and other key ASME stakeholders
- Work with experts in fundraising and branding
- Develop plan to expand proven programs while adding compelling new initiatives
- Conduct research to test the Case with many potential donors – audience for Case is primarily external

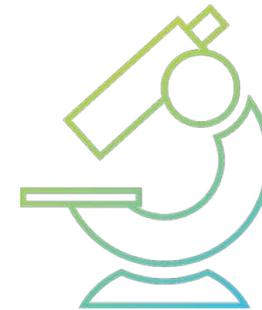
Requirements for a Major Campaign

- A vision to address important global issues
- Institutional credibility
- Programs with demonstrable impact
- A bold, relevant, and timely Case for Support

The Key Issues



Only ASME



Since 1880, setting global standards, advancing engineering, and serving the public good

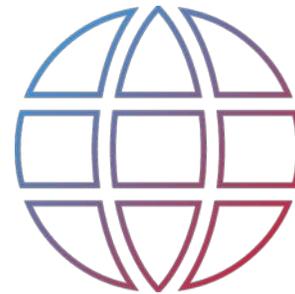
Positioned at the intersection of Industry, Academia, and Government

Guided by an interdisciplinary perspective, bridging all engineering disciplines

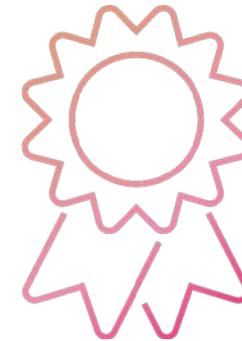
Only the ASME Foundation



Powerful Programs



Global Reach



Institutional Excellence

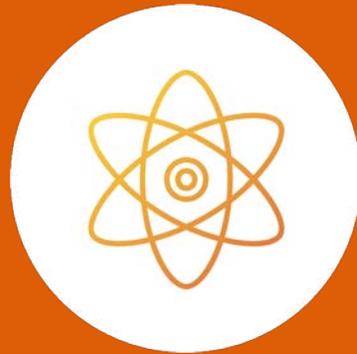
Introducing

The Campaign *for*
Next Generation Engineers
Who Transform The World

The Campaign *for* Next Generation Engineers



**Education
that Inspires**



**Careers
that Matter**



**Ideas
that Innovate**



Education that Inspires

ASME INSPIRE

Sparking passion
in K-12 students

ASME E-Fest™ & EFx™

Igniting engineering
creativity in college

Scholarships

Making an engineering
education possible



What happens when a 12-year-old girl from Chicago's South Side learns how to 3-D print her own sneakers?

ASME INSPIRE

- Classroom-based INSPIRE is a scalable STEM education program
- A six-week module that explores the wonders of engineering with K-12 students
- Offered free of charge, with emphasis on Title 1 schools in underserved communities
- Currently in 1,300 out of 96,000 public schools in U.S., with more than 100,000 participants in all 50 states
- Outstanding ratings from both students and teachers





ASME INSPIRE

"It changed the way I look at things – the world and how I can change my life and others through learning about new things in science, math and engineering. It's really cool." – *Leylanie, 7th grade girl*

"I learned that everything works together. People, technology, even simple machines – all work together, all rely on one another in order to work perfectly. So everything needs to work in harmony." – *Logan, 7th grade boy*

"Students at this age often lack the knowledge of engineering and STEM-related careers along with the confidence to see themselves in these roles. ASME INSPIRE starts a conversation about the possible. All students, regardless of family income, can aspire to a career in the STEM path."

– *Lesa Levi, Counselor, Platte City Middle School (Missouri)*

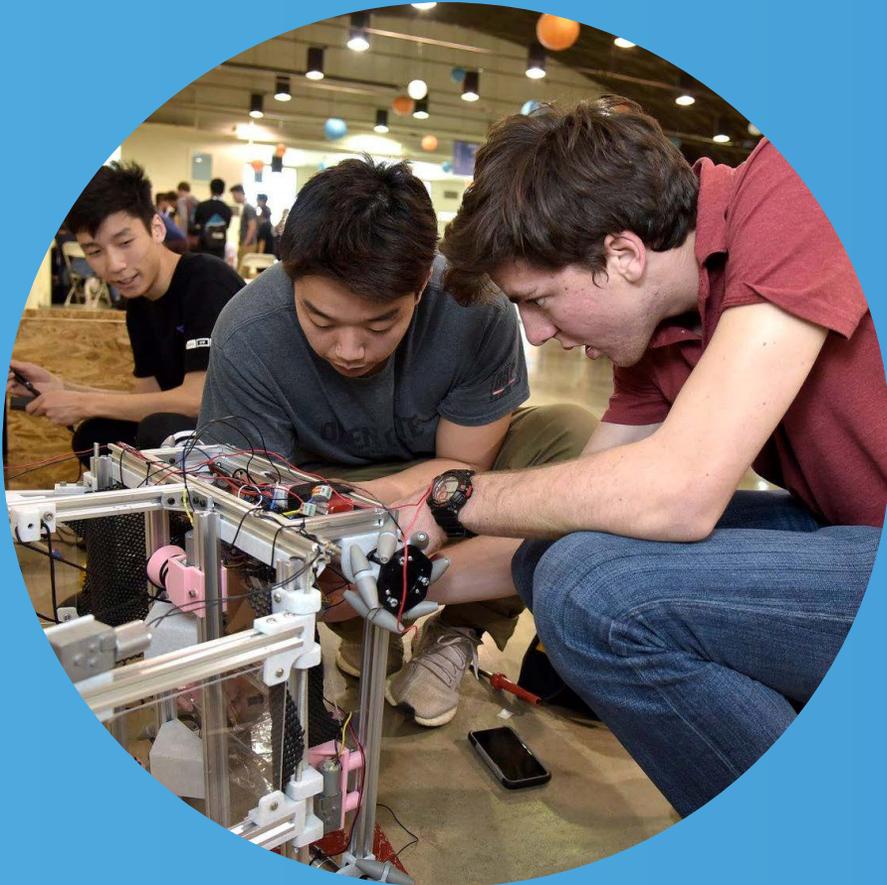




ASME INSPIRE

Campaign Goals:

Expand program from 1,300 schools serving 100,000 K-12 students in the US to 250,000 students worldwide



Where do college
students go to become
actual inventors?

ASME E-Fests™ and EFx™

- Events that offer challenging competitions, skill-building workshops, and networking opportunities
- Connect college-age students to professional engineers
- Currently four E-Fests™ annually: two in the U.S., one in India, and one in South America
- Ten EFx™ events in 2019, managed locally using ASME-provided toolkit
- Piloting global E-Fest™ digital competitions



2019 Winning Team – E-Fest™ Human-Powered Vehicle Challenge



Education that Inspires



ASME E-Fests™ and EFx™

Campaign Goals:

- Extend global reach from 5,000 engineering students per year to over 40,000
- Increase E-Fest from four events per year to seven, covering more parts of the world
- Grow EFx™ events from 10 annually to nearly 100 cities where ASME has a major presence and engage 25,000+ mechanical engineering students annually



ASME Scholarships

“

"The thought of delaying my senior year indefinitely until I could save up the money was heartbreaking. But thanks to the ASME Foundation Scholar Award, I was able to afford tuition and graduate with my B.S. in mechanical engineering."

”

-Meredith Campbell, ASME Foundation Scholar, International Space University, Strasbourg, France



ASME Scholarships

- Scholarships can help increase the diversity of the global engineering workforce
- Direct financial support for college-level engineering students in the U.S. and abroad
- Nearly 45% of ASME scholarships are awarded to students of color and 40% are awarded to women
- Aid to international students for whom small amounts make an enormous difference



Scholarships

Campaign Goals:

- Double total number of scholarships given annually
- Introduce four-year scholarships for women and students from underserved communities
- Add more international scholarships



Careers that Matter

ASME CAREER ADVANCEMENT CENTER

Guiding early-career
engineers

FEDERAL FELLOWS

Engineers informing
public policy

ASME Career Advancement Center (CAC)

- Digital platform to share professional profiles including background, interests, skills, location, employment goals
- Easily accessible source of personalized career guidance and opportunities generated by CAC's machine-learning algorithms
- Participants connect online and in person according to geography and technical interests
- Build professional networks through ASME's global member database





Careers that Matter



ASME Career Advancement Center

Campaign Goals:

- Develop databases, algorithms, and career guidance roadmaps
- Engage 100,000+ engineers by 2030



Federal Fellows

“

“Said has been an essential member of our team... He has significantly increased the footprint of the Manufacturing Caucus including signing up 108 bipartisan members – the most members in the Caucus history. He is one of the most sought after staffers on the Hill regarding these policy issues, and I am proud to call him a member of our team.”

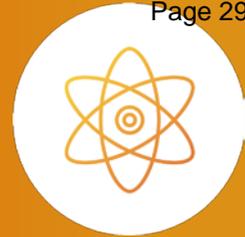
– *The Honorable Tim Ryan, Member of Congress*

”



Federal Fellows

- The evidence-based perspective of trained engineers is critical to debates on key policy issues related to energy, manufacturing, and technology, among others
- Opportunities in the U.S. Congress, the White House and federal agencies
- ASME Foundation offers a stipend to four engineers annually to advise on legislation and regulation involving science and technology



Federal Fellows

Campaign Goals:

- Endow the existing program with permanent funding
- Expand program from four to up to ten Fellows annually



Ideas that Innovate

How can you harvest water from the air in the desert?

How can off-the-grid farmers get milk cold to market?

How can you build a life-saving ventilator for under \$20?



Ideas that Innovate

ENGINEERING FOR CHANGE

Sharing World-Changing
Ideas

ASME CATALYST

Advancing from Concept
to Prototype

ISHOW

Bringing Prototypes
To Market

Ideas that Innovate

- These three ASME programs help engineers navigate the development of new technologies that address the United Nations Sustainable Development Goals (SDGs), the series of 17 objectives that address humanity's most pressing challenges
- ASME works to ensure that engineers can help improve quality of life in their communities



E4C Digital Community

- Engineering for Change (E4C) is ASME's digital community of 1 million+ active followers focusing on global development issues
- Users around the world engage to share information, learn from experts, and connect to peers and employment opportunities
- Serves as a springboard and inspiration for early product innovation and technology ideas
- These ideas can advance to ASME Catalyst and ISHOW programs



E4C Digital Community

Campaign Goals:

- Expand online community beyond current user base of 1 million+ followers
- Grow digital platform to further enable exchange of social development ideas and advancement of technology solutions

ASME Catalyst

- New initiative to help social entrepreneurs advance innovative ideas from concept to prototype, with goal of helping improve quality of life
- Enables access to mentorship, technical advice, and proof-of-concept funding
- The most promising prototypes may be invited to apply for inclusion in the ISHOW program



Ideas that Innovate



ASME Catalyst

Campaign Goals:

- Establish and grow this initial-concept-to-prototype development program to 25+ worldwide locations
- Support realization of over 1,000 prototypes that address concerns outlined in UN SDGs over 10 years

ASME ISHOW

- Successful “Innovation Showcase” competition for early-stage social entrepreneurs to demonstrate hardware solutions to an influential audience
- Competitive format held three times per year in US, India and Kenya, that provides expertise, seed capital, and marketing insight to aspiring social entrepreneurs
- Proven method for advancing high-potential new products from prototype to scale in service of global development needs





ASME ISHOW

Campaign Goals:

- Increase number of annual ISHOW events from three to 12+ annually around the world
- Enhance current support of 30 early-stage ventures each year to over 120 annually

The Campaign *for* Next Generation Engineers

Who Transform The World

NEXT STEPS

- Conduct Case research with prospective funders
- Revise Case and provide to Board
- Develop marketing materials: Foundation website, brochure, and videos
- Implement strategic fundraising plan

The Campaign *for* Next Generation Engineers

Who Transform The World

- Inspire more – and more diverse – young people to explore the wonders of engineering and its potential to serve humanity
- Empower college students to pursue inventive and meaningful careers in engineering
- Lead early-career engineers to the very best opportunities
- Lift up creative engineering ideas that can change the world

The Campaign *for* Next Generation Engineers

Who Transform The World

Please join us as we take on the challenge to nurture and support the dream-makers of tomorrow.

Engineers build the future. Help us build theirs.



The Campaign *for* Next Generation Engineers

Who Transform The World

Board of Governors Agenda Item Cover Memo

Date Submitted:	April 30 th , 2019
BOG Meeting Date:	June 2 nd , 2019
To:	Board of Governors
From:	ASME Programs Team
Presented by:	Anand Sethupathy, Managing Director, Programs
Agenda Title:	ASME Programs Update

Agenda Item Executive Summary:

The presentation will provide an assessment of the current state of ASME's mission oriented programs. It will also cover the forces influencing their direction and the high-level roadmap planned for Programs.

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

For information and discussion only.

Attachments:

PowerPoint presentation on ASME Programs Update

ASME (Philanthropic) Programs

Update for the Board of Governors

June 2nd, 2019

Anand Sethupathy, Managing Director, Programs

What to Expect from Presentation

- **Brief Description:** The presentation will provide an assessment of the current state of ASME's mission oriented programs. It will also cover the forces influencing their direction and the high level roadmap planned for Programs.
- **Desired Outcome:** Information and discussion only
- **Questions:** Please hold questions until after the presentation
- **Duration:** 30 minutes total: 20 minutes presentation, 10 minutes questions

Agenda

- Background
- Lessons Learned
- Challenges
- Opportunities
- Roadmap
- Vision for the Future

Background



- Joined JPMorgan Chase during Occupy Wall Street
- Tasked with building out Tech related CSR
- Identified a Business Challenge that Could Benefit from CSR
- Bank was struggling with recruiting Technical Talent
- Developed Programs to address Business Challenges
- Scaled Programs Globally
- Demonstrated measurable impact on Attraction, Retention and Performance of Talent

Joined ASME in March of 2018

Over the past 18 months, have been doing a deep dive into ASME Programs and see tremendous potential



ASME Lessons Learned

- **Long-Term:** We need to play a long game focusing on relationships and meaningful experiences that connect our constituents to ASME for a “lifetime”
- **Leveraging the Network:** Our local section and division leaders are smart and motivated people, however they are time and money constrained. They needed templated programs that they can tailor to meet their audiences needs
- **International:** International markets are excited for us to engage with them and represent an opportunity for substantial growth. We can leverage Programs as an early entry tool into strategic markets
- **Early Career:** We are doing okay at the college level (and are about to get a lot stronger) with nearly 25,000 student members, but we lose most of them when they graduate

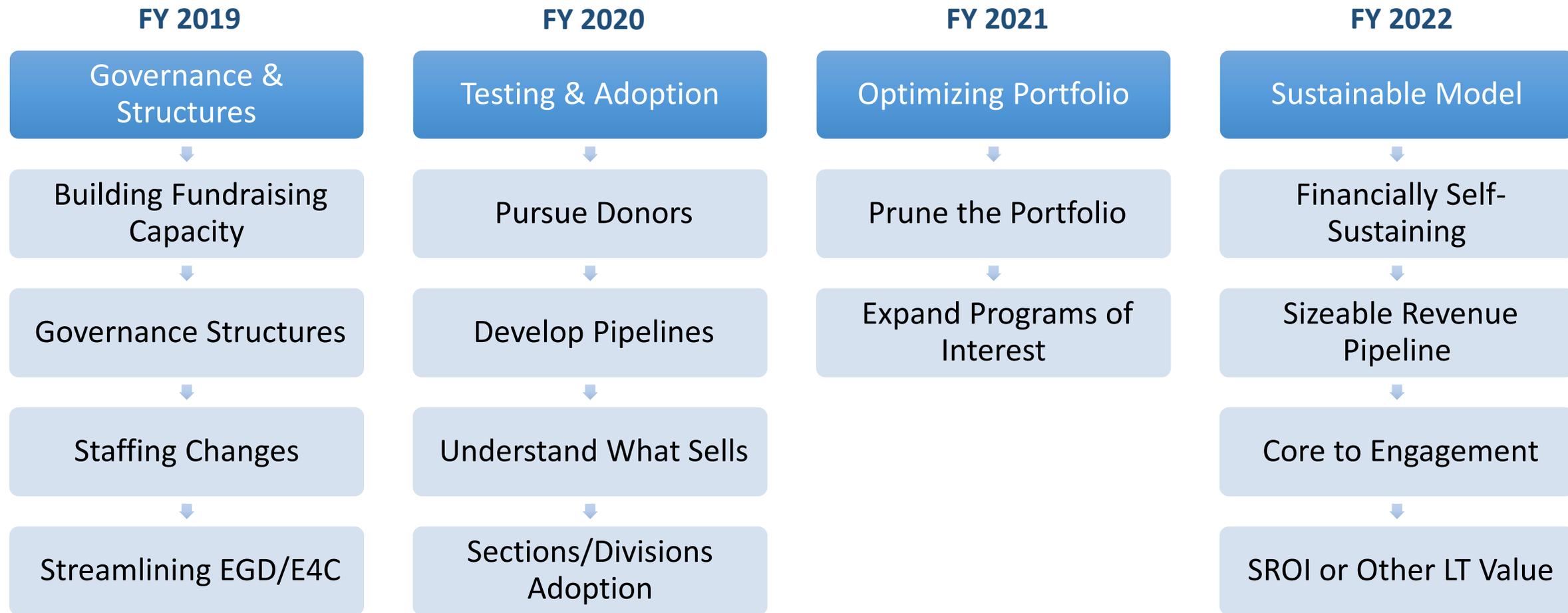
Challenges

- **Revenue Generation:** ASME had not previously developed a fundraising capacity causing the org to carry the costs of programs from the surplus of other business units. This is a short term problem that will be resolved in the next few years.
- **Engagement:** The Programs team has not effectively engaged with Sections and Divisions in forging and delivery of programs. This has already started to change and much of our focus moving forward will be on enabling Student Sections, Professional Sections and Divisions to thrive with Programs.
- **Non-Financial Value:** Many of the current Programs like E-Fests/EFx, FutureME, and INSPIRE have downstream financial and social impacts on ASME. We have not effectively captured or told the full story of these impacts and that will be partly addressed by our SROI initiative.

Opportunities

- **Established Portfolio:** We have the good fortune of having an established branded set of programs that we can readily go out and fundraise around.
- **Scale:** Many of our programs have national or global scale with reach to thousands of constituents. This will enable us to make larger asks to donors and it also enables us to bring these programs out to our sections/divisions more easily.
- **We Haven't Asked:** We have not fatigued funders and as such we are the “new kid on the block”, but we bring a reputable ASME legacy and established programs to the table.
- **Younger Generation:** All of our past research indicates that our Students and our Early Careers Engineers think about “giving back”. Our programs will represent a mechanism for them to get engaged and give back while also forging a deeper connection to ASME.

Roadmap for Programs



Vision for the Future of ASME Programs

- High Engagement:**
 - Most section or division are leveraging one or more ASME Programs.
- Sustainable:**
 - All programs are either financially self-sufficient OR have a compelling downstream measures (such as SROI) that the BoG considers critical for the society.
- Adaptive:**
 - Programs are not static and continuously adapt to the evolving needs of our Members, Donors and Constituents.
- Flexible:**
 - Programs are templated centrally but can be adapted by Sections/Division to meet the needs of their specific audiences.
- Strategic:**
 - Programs become a strategic tool in the BoG's arsenal to enable change across the Society and to pursue Opportunities.

APPENDIX

- Examples of how we are evolving specific programs to fit the aforementioned strategy

ASME INSPIRE



High Engagement:

- A federated toolkit developed for sections to engage with local schools

Sustainable:

- Program has a 5 year history and now reaches over 100,000 students/year providing a solid base to begin fundraising around

Adaptive:

- Per our contract with EverFi, we have the right to work with them to adapt the curriculum

Flexible:

- While the core of INSPIRE is the digital platform, the relationships with local schools can be leveraged to engage in a variety of ways

Strategic:

- INSPIRE has a diversity focus with 64% of schools served being Title I and 44% of participants being female



ASME EFx



Stats in FY19:

9 EFx Events Completed (US, India, Mexico)

2,816 Students Attended

887 ASME Membership Sign-Ups

High Engagement:

- A federated, low-cost, low-overhead model for student sections to put on one day E-Fest type events

Sustainable:

- Less than 10% the cost of running an E-Fest and largely locally organized by host school(s)

Adaptive:

- FY19 was pilot year, model will continue to evolve to meet student/sponsor/ASME needs

Flexible:

- Local organizers have autonomy to craft the event program within the constraints of an ASME playbook

Strategic:

- Strategic tool to ignite student sections and raise ASME brand awareness on campuses



Board of Governors Agenda Item Cover Memo

Date Submitted:	May 13, 2019
BOG Meeting Date:	June 2, 2019
To:	Board of Governors
From:	Josh Heitsenrether, Managing Director – Marketing & Digital Strategy
Presented by:	Josh Heitsenrether
Agenda Title:	Preview of New ASME.org Website

Agenda Item Executive Summary:

The relaunch of ASME.org will occur at the end of June. This session will feature an overview of the goals, components, and scope of the project, as well as a preview of the designs for the new home page and seven other page templates.

Proposed motion for BOG Action: **None**

Attachments:

ASME.ORG Relaunch Preview

Josh Heitsenrether

Managing Director, Marketing & Digital Strategy



What to Expect from Presentation

- **Brief Description** - This session will be an update on the relaunch of ASME.org and will feature an overview of the goals, components, and scope of the project, as well as a preview of the designs for the new home page and seven other page templates.
- **Desired Outcome** - Information Only
- **Questions** – Please hold questions until after the presentation
- **Duration** – This presentation will be approximately 20 minutes (2 slides plus website demo) with 10 minutes for questions at the end.

Unified Digital Architecture Initiative

Project Components

1. **ASME.org Website Redesign Phase 1**
 - Online Strategy
 - Responsive design templates
 - Calendar of Events
 - Taxonomy
 - Style Guide
 - eCommerce Front-end User Experience*
 - Online Marketing Tools
 - Content clean-up & SEO enhancements
 - Newsletter templates
2. **Microsites: Development & Enhancements**
3. **Site Search**

Out of Scope

- Unit-specific enhancements or customizations to common templates
- Back-end of ecommerce and product catalog management
- Completely new functionality or features that do not exist on ASME.org today
- Community pages/platform



*Back-end eCommerce and product management functionality will be part of the separate Personify Replacement Project

Website Redesign

Top 5 Goals

- **Responsive Design**
- **Modern Navigation & Improved Usability**
- **Improved Search & Discovery**
- **More Integrated Storytelling & Content**
- **Measurable Outcomes tied to Organization's Goals**



Relaunch Preview

This portion will be demo of an HTML version of the site – there are no slides.

Questions

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

**Date Submitted: May 13, 2019
BOG Meeting Date: June 2, 2019**

**To: Board of Governors
From: Tom Costabile
Presented by: Tom Costabile
Agenda Title: FY19 Q3 ED Goals Update**

Agenda Item Executive Summary:

Tom Costabile will provide a Q3 update on the FY19 ED Goals.

Proposed motion for BOG Action: None.

Attachments:

FY19 ED Annual Goals Q3 Status Update

EDESC – May 1, 2019

Board of Governors – June 2, 2019

Thomas Costabile, Executive Director/CEO

FY19 ED Goals: Recommended by EDESC and ED for BOG Approval

General Construct:

- Stated Goals are generally broad measures of desired outcomes; generally harder to measure
- Stated Objectives are generally measurable and observable and reflect success in achieving the goal
- Goals may be fairly consistent year to year, but stated objectives, or success metrics may vary
- Progress reports begin with Q2 for FY19

Goal	Objectives
Operational Excellence	<ul style="list-style-type: none"> • Develop a dashboard for clear presentation of key metrics • Launch FY20 IOP development plan • Strengthen EMT bench - Report on staff organizational changes • Report on succession planning • Work with EDESC to assess and refine incentive compensation plan
Delivering on the Strategy	<ul style="list-style-type: none"> • Develop plans and deliver outcomes for the 5 focus technologies • Develop an international strategy • Develop the path forward on Membership • Explore and report on M&A opportunities • Update BOG on enterprise SWOT, with a focus on IBR
Strengthen Volunteer/Staff Partnership	<ul style="list-style-type: none"> • Build volunteer engagement/relationship and report on insights from reaching out to volunteers and staff • Develop top issues list and report • Report on initiatives to improve communication • Report on initiatives to improve staff culture • Conduct a staff culture survey

FY19 ED Goals: Q3 Update

Summary of Progress through Q3 of FY2019

- Progress for each Goal is shown in bold for the current quarter
- Previously reported progress is shown in grey shaded text
- 5 of the 15 Goals have been completed
- The remaining 10 goals will be completed by the end of FY2019
- Tasks/work associated with several goals will be carried through to FY2020 as noted herein
- Deliverables of several goals will be reported on as noted herein and be used to continue to monitor the success of the ED/CEO and overall organization

FY19 ED Goals: Q3 Update

#	FY19 ED Goals	Q1	Q2	Q3	Executive Commentary
	Operational Excellence				
1	Develop a dashboard for clear presentation of key metrics	On Track	On Track	On Track	Q1 - Initial draft & format discussed with PEDT October, 2018; Update to be provided monthly. Q 2 - Template format completed, researching software for compilation and distribution of results. Q3 - The dashboard template is complete and being published manually as the new software is under going testing. Final rollout is scheduled for reporting on May 2019 results.
2	Launch FY20 IOP development plan	On Track	On Track	On Track	Q1 - Schedule provided to PEDT October, 2018; Plan development on track. Q2 - Schedule updated on 12-13-18 with all items on track. Q3 - Initial IOP plan approved by BOG at April 8, 2019 meeting, final integration will be presented at June 5, 2019 BOG meeting.
3	Strengthen EMT bench - Report on staff organizational changes	On Track	On Track	Complete	Q1 - Initial 3 phase restructuring plan presented to PEDT, BOG, SVPs in July, 2018; Phase 1 of the plan completed in August, 2018 releasing 8 individuals and realigning 4 departments; Completed internal movement of 40 plus staff; Currently reviewing departmental needs with select MD's and EMT; Began restructuring of ASME Foundation Staff. Q2 - Additional restructuring under consideration, timing mid February; Informed PEDT and COFI; will present to BoG on Feb 1, 2019 for final review and concurrence before implementation. Q3 - Restructuring successfully completed, minor enhancements will continue through the end of FY2019. New hires adding additional strength to the organization are included in the FY2020 Plan approved by the BOG at the April 8, 2019 BOG meeting.
4	Report on succession planning	On Track	On Track	Complete	Q1 - Initial Succession plan discussed with PEDT in September, 2018; Currently evaluating needs and priorities for identifying secondary open positions. Q2 - Initial succession plan complete through director level, there are openings which need to be addressed; Presented initial plan to COFI as an FYI and will present to BoG on Feb 1, 2019 as an update; Working with EMT to determine specific needs coordinated with revisions to strategy, the IOP and FY20 financial plan. Q3 - Succession plan for Director level and above complete. Currently updating/finalizing plan per FY2020 Initial Business Plan and IOP. Will provide an update to EDESC at the end of Q2 and Q4 of each fiscal year.
5	Work with EDESC to assess and refine incentive compensation plan	On Track	On Track	Complete	Q1 - Initial discussions with EDESC regarding selection of consultant conducted in August/September, 2018; In process of retaining consultant. Q2 - Engaged consultants to review incentive compensation plan, review and agreed to comparable organizations and submitted an initial cost comparison of options for review by the EDESC. Q3 - New incentive plan presented and approved by BOG at the April 8, 2019 BOG meeting. Will provide an update to EDESC at the end of Q2 and Q4 of each fiscal year.

FY19 ED Goals: Q3 Update (continued)

Delivering on the Strategy				
6	Develop plans and deliver outcomes for the 5 focus technologies			Q1 - Start Pending. Q2 - Discussed details with Task Force, meetings to be held in February. Q3 - Currently reviewing recommendations of Task Force and working with staff regarding development of a pilot program for the manufacturing sector. This effort will require additional staffing and as such will not be completed in FY2019. Accordingly this task will be carried into FY2020.
7	Develop an international strategy			Q1 - Assembled team of ASME staff to develop draft outline for detailed development of International strategy consistent with overall ASME strategy and IOP; Initial draft to be distributed in Q2 FY2019. Q2 - Initial evaluation has been developed for presentation to the BoG at the Feb 1, 2019 meeting for discussion and consensus on next steps. Q3 - Team of volunteers and staff has been identified and the team is currently drafting a charter and timeframe for review and development of the initial concept document presented and approved by the BOG at the February 1, 2019 BOG meeting. The team will present an update to the BOG at the June 2, 2019 BOG Meeting.
8	Develop the path forward on Membership			Q1 - Working with consultants, staff and Task Force regarding development of new membership model; Currently surveying key constituents regarding development of questionnaire for distribution to full membership. Q2 - Consultants work continues on plan. Next milestone is review and discussion with Task Force in February, 2019. Q3 - Membership Task Force presented final recommendations based on the ongoing work by ASME staff and outside consultants at the April 8, 2019 BOG meeting. It was acknowledged and agreed that the consultants work is on schedule and will continue as projected. Regular reports will be provided to BOG for the remainder of FY2019 and FY2020.
9	Explore and report on M&A opportunities			Q1 - Have commenced discussions with 4 entities, 1 will not continue. Q2 - Discussions continue with 6 entities, no firm commitments yet. Outside counsel reviewing details for JV organizational structure. Q3 - Discussions continue with active interest. Updates are provided to PEDT to ensure confidentiality.
10	Update BOG on enterprise SWOT, with a focus on IBR			Q1 - Start Pending. Q2 - Initial meetings held with peer societies, developing an assessment for review with PEDT in March, 2019. Q3 - Initial meetings have been held with peer societies as well as with members of Congress. Initial draft of SWOT analysis is being prepared and will be presented at the June 2, 2019 BOG Meeting.



FY19 ED Goals: Q3 Update (continued)

Strengthen Volunteer/Staff Partnership					
11	Build volunteer engagement/relationship and report on insights from reaching out to volunteers and staff				Q1 - Review relationship matrix of 36 divisions and began discussions with 4 key disgruntled divisions; Discussions to date have been positive & focused on rebuilding relationships; Working with Organizational Task Force regarding restructuring of sections which will facilitate the development of a staff realignment plan to improve communication with professional and student sections. Q2 - Developed preliminary plan to improve GEC team focused on outward communications with Sections and Student Sections. Will complete once data is received from the Task Force. Q3 - Currently evaluating recommendations from the Task Force as well as conducting interviews with all 36 Divisions to independently learn of issues and enhancements desired by the volunteers. Have met with many volunteers initiating positive change. PEDT is aware of the positive changes achieved to date.
12	Develop top issues list and report				Q1 - Working concurrently with development of key metrics dashboard noted above. Q2 - Monthly summary provided and discussed with PEDT during in-house meeting; Work continues to coordinate presentation as part of Dash Board note in item 1 above. Q3 - Top ten issues list distributed to PEDT and reviewed at each PEDT meeting.
13	Report on initiatives to improve communication				Q1 - Implemented All Hands meetings & podcasts; currently developing ED Social Media platform. Q2- Continue conducting staff directed All Hands meetings, added a monthly meeting with EMT, MD's and Directors to exchange Top 3 Items from each Director; Continue Pod Casts which have been favorably received by members and staff. Q3 - All of the above noted meeting are on going. Will share an update and a few stories/letters of appreciation form the ASME staff and volunteers at the June 2, 2019 BOG Meeting.
14	Report on initiatives to improve staff culture				Q1 - Implemented changes to dress code and building access; Currently reviewing other policies; Began Management by Grazing; Introduced ED Open door policy. Q2 - Continue Management by Grazing, monthly lunches with selected staff and ED and implemented quarterly recognition breakfasts. More to follow based on result of up coming culture survey. Q3 - Continue to review effectiveness of current communication meetings; Updating employee recognition programs. Additional enhancements/programs are anticipated per the results of the upcoming employee culture survey.
15	Conduct a staff culture survey				Q1 - Working with HR staff regarding development of survey and retaining a consultant. Q2 - HR team is developing details and timing for conducting the survey tentatively scheduled for late April. Q3 - Initial survey questions completed; Survey will be conducted in May, 2019; Will provide an update and/or full survey results during the June, 2019 BOG Meetings all depending on timing as advised by the consultant conducting the survey.

ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 13, 2019
BOG Meeting Date: June 2, 2019
To: Board of Governors
From: Committee on Honors (COH)
Presented by: Yildiz Bayazitoglu

Agenda Title: Approved Society Award Listing

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

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

Honorary Members and ASME Medalist are considered by the BOG in Closed Session on June 2.

Attached for information is the listing of the COH approved awards for 2019.

Proposed motion for BOG Action:

None

Attachment: Yes

F2019 RECIPIENTS OF ASME HONORS AND AWARDS

**Except as noted below, honors and awards will be bestowed at IMECE
Salt Lake City, UT
November 8-14, 2019**

Achievement Awards

ADAPTIVE STRUCTURES AND MATERIAL SYSTEMS AWARD

<p><u>Nancy L. Johnson</u>, Fellow Lab Group Manager & Technical Fellow General Motors Research & Development 30500 Mound Road MC 480-106-RE2 Warren, MI 48092</p>	<p>For outstanding leadership in the advancement of smart materials in the automotive industry, from the initiation of ideas to applications in production; and for leadership in the global technical community, particularly service to ASME's Aerospace Division ASME 2019 Conference on Smart Materials, Adaptive Structures and Intelligent Systems (SMASIS), September 9-10, 2019, at the OMNI Hotels and Resorts, in Louisville, Kentucky)</p>
--	--

PER BRUEL GOLD MEDAL FOR NOISE CONTROL AND ACOUSTICS

<p><u>Karl Grosh</u>, Ph.D., Fellow University of Michigan Department of Mechanical Engineering 2350 Hayward Street Ann Arbor, MI 48109-2125</p>	<p>For exceptional contributions in advancing the use of acoustic principles to unravel the mysteries of the mammalian cochlea, including the active mechanism of sound amplification, and for engineering cochlear-mimetic microelectromechanical systems devices</p>
--	--

EDWIN F. CHURCH MEDAL

<p><u>Andreas A. Polycarpou</u>, Ph.D., Fellow Texas A&M University Department of Mechanical Engineering 3123 TAMU College Station, TX 77843</p>	<p>For contributions in reforming the mechanical engineering curricula, particularly through an emphasis on experiential learning, to reflect changing industry demands and technological advances (ASME International Mechanical Engineering Education Leadership Summit, March 20-23, 2019 at the Renaissance New Orleans Pere Marquette, New Orleans, Louisiana))</p>
--	---

DANIEL C. DRUCKER MEDAL

<p><u>John Bassani</u>, Ph.D., Member University of Pennsylvania Department of Mechanical Engineering and Applied Mechanics 237 Towne Building Philadelphia, PA 19104</p>	<p>For distinguished contributions to the mechanics of materials in the areas of dislocation mechanics, crystal plasticity, texture evolution, creep fracture, interfacial fracture and grain boundaries through the use of innovative methods that link atomistic modeling, nonlinear continuum mechanics and computational mechanics</p>
---	--

WILLIAM T. ENNOR MANUFACTURING TECHNOLOGY AWARD

<p><u>Steven J. Skerlos</u>, Ph.D., Member University of Michigan Mechanical Engineering Department 2250 GG Brown Building 2350 Hayward Street Ann Arbor, MI 48109-2125</p>	<p>For the discovery, development and commercialization of supercritical carbon dioxide machining fluids, which enable oil-free machining of biomedical components and achieve high productivity and tool life for advanced aerospace and automotive alloys with minimal quantities of lubricant added (2019 Manufacturing Science and Engineering Conference hosted by Penn State Erie, The Behrend College, Erie, Pennsylvania, June 10-14, 2019))</p>
---	---

FLUIDS ENGINEERING AWARD

<p><u>Nadine Aubry</u>, Ph.D., Fellow Northeastern University College of Engineering 230 Snell Engineering Center 360 Huntington Avenue Boston, MA 02115-5000</p>		<p>For pioneering contributions to low dimensional models of turbulent and transitional flows; and for advances in microfluidics, particularly fluid mixing and particle manipulation in miniature devices (ASME 2018 Fluids Engineering Summer Meeting, July 15-20, 2018, at the Le Centre Sheraton Montreal, in Montreal Canada)</p>
---	--	---

Y.C. FUNG YOUNG EARLY CAREER AWARD

<p><u>Grace D. O'Connell</u>, Ph.D., Member University of California, Berkeley 2134 Jefferson Avenue Berkeley, CA 94703 (home)</p>		<p>For pioneering work in multiscale mechanics of musculoskeletal soft tissues (ASME 2019 Summer Biomechanics, Bioengineering, and Biotransport Conference, June 25-28, 2019, in Seven Springs, Pennsylvania)</p>
---	--	--

HENRY LAURENCE GANTT MEDAL

<p><u>Margaret G. McCullough</u> Senior Vice President & General Manager Bechtel Nuclear, Security & Environmental Inc. 12011 Sunset Hills Road, Suite 110 Mail Stop RO2/6/D Reston, VA 20190-5919</p>		<p>For directing thousands of engineers and scientists at the U.S. Department of Energy's Yucca Mountain Nuclear Waste Repository and Hanford Waste Treatment Plant, first-of-their-kind projects that have had far-reaching positive environmental outcomes for our planet</p>
--	--	---

RICHARD J. GOLDSTEIN ENERGY LECTURE AWARD

<p><u>Steven Chu</u>, Ph.D. Stanford University Physics Department 382 Via Pueblo Mall Stanford, CA 94305-4060</p>		<p>For visionary stewardship of clean energy technologies, policy and innovation that have had a profound national and global impact</p>
--	--	--

MELVIN R. GREEN CODES AND STANDARDS MEDAL

<p><u>Michael M. Merker</u>, Member 33 Albemarle Road Colonia, NJ 07067-1204 (home)</p>		<p>For championing ASME Standards and Certification efforts, most notably in the areas of intellectual property rights, standards development and publishing, conformity assessment and operations, over a span of 38 years</p>
--	--	---

J.P. DEN HARTOG AWARD

<p><u>Singiresu S. Rao</u>, Ph.D., Fellow University of Miami Department of Mechanical and Aerospace Engineering 1288 Memorial Drive, Suite MEB 221 Coral Gables, FL 33146</p>		<p>For lasting contributions to the research, education and practice of vibration engineering, particularly for the development of novel active control techniques and uncertainty-based models for vibration of dynamical systems and for the publication of books that have influenced three generations of engineers (ASME 2019 International Design and Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE) August 18-21, 2019 at the Anaheim Convention Center, in Anaheim, California)</p>
--	--	---

HEAT TRANSFER MEMORIAL AWARD

SCIENCE

<p><u>Satwindar Sadhal</u>, Ph.D., Fellow University of Southern California Department of Aerospace and Mechanical Engineering Olin Hall OHE 430 3650 McClintock Avenue Los Angeles, CA 90089-1453</p>	<p>For seminal contributions in the areas of dropwise condensation and evaporation, spray-cooling heat transfer, thermodynamics of interfacial phenomena, heat and mass transport in acoustic fields, heat transfer and phase change with drops and bubbles, and ocular drug delivery</p>
--	---

ART

<p><u>Dereje Agonafer</u>, Ph.D., Fellow University of Texas at Arlington Department of Mechanical and Aerospace Engineering 500 W 1st Street, Room # 211A Woolf Hall Arlington, TX 76019</p>	<p>For outstanding contributions to robust thermo/mechanical design of microelectronics systems, particularly for promoting the use of computational fluid dynamics in the upstream phase of design and enabling concurrent electrical and thermal design, which reduced both lead time and cost</p>
---	--

GENERAL

<p><u>James Klausner</u>, Ph.D., Fellow Michigan State University Department of Mechanical Engineering 428 South Shaw Lane, Room 2555 East Lansing, MI 48824-1226</p>	<p>For pioneering thermal engineering research in boiling heat transfer, humidification-dehumidification desalination and thermochemical conversion; and for leadership in the thermal engineering community, particularly ASME's Heat Transfer Division and the U.S. Department of Energy's Advanced Research Projects Agency-Energy</p>
---	---

MAYO D. HERSEY AWARD

<p><u>Lavern D. Wedeven</u>, Ph.D., Member President Wedeven Associates, Inc. 5072 W Chester Pike Edgemont, PA 19028-0646</p>	<p>For outstanding contributions as an internationally recognized leader in tribology, particularly for developing many of the test methods used worldwide for the insertion of new lubricants, and bearing and gear materials into gas turbine engines; for helping the industry solve its most challenging problems; and for educating others through lectures and short courses (ASME 2019 Tribology Frontiers Conference. Co-sponsored by STLE and ASME Tribology Division), October 20-33, 2019, at The Drake Hotel, in Chicago, Illinois)</p>
---	--

PATRICK J. HIGGINS MEDAL

<p><u>Christopher J. Freitas</u>, Ph.D., P.E., Member Program Director Southwest Research Institute Computational Mechanics 6220 Culebra Road San Antonio, TX 78238-5100</p>	<p>For outstanding dedication and effectiveness in the development and promotion of verification and validation in computational modeling and simulation standards; and for unwavering leadership as chair of the V&V Standards Committee and founding organizer of the V&V Symposium (2019 ASME V&V Standards Committee Meeting, May 14-15, 2019 in conjunction with the V&V Symposium at the Westgate Las Vegas Resort Hotel, in Las Vegas, Nevada)</p>
--	--

SOICHIRO HONDA MEDAL

<p><u>Masayoshi Tomizuka</u>, Ph.D., Fellow University of California, Berkeley Department of Mechanical Engineering 5100B Etcheverry Hall Mailstop 1740 University of California, Berkeley</p>	<p>For pioneering and sustained contributions in applying modern systems and control theory to the comprehensive analysis and control algorithm development of automated vehicle lateral guidance, which has inspired further developments in the field</p>
--	---

INTERNAL COMBUSTION ENGINE AWARD

<p><u>Peter K. Senecal</u>, Member Vice President Convergent Science Inc. 6400 Enterprise Lane, Suite 101 Madison, WI 53719</p>	<p>For co-developing the CONVERGE software package that is used worldwide to design and improve internal combustion engines; for developing optimization techniques that made engine computational fluid dynamics a legitimate design tool; and for creating new physical models and best practices for fuel sprays, combustion and grid convergence, which are used throughout the engine modeling community (ASME 2019 Internal Combustion Engine Fall Technical Conference (ICFE), October 20-23, 2019, at the Marriot Chicago O'Hare Hotel, in Chicago, Illinois)</p>
---	--

WARNER T. KOITER MEDAL

<p><u>Kaliat T. Ramesh</u>, Ph.D., Fellow The Johns Hopkins University Department of Mechanical Engineering 3400 North Charles Street Baltimore, MD 21218</p>	<p>For pioneering scientific contributions and international leadership in the area of dynamic material instabilities and material failure, with applications ranging from the mechanics of traumatic brain injury to nanostructured materials and planetary impact</p>
---	---

ROBERT E. KOSKI MEDAL

<p><u>Peter A.J. Achten</u> Innas BV Nikkelstr 15 4823AE Breda Netherlands</p>	<p>For exceptional and sustained contributions to the advancement of fluid power motion and control as a designer and innovator, and as a presenter of novel fluid power concepts across the globe (2019 ASME/BATH Symposium on Fluid Power and Motion Control (FPMC) October 7-9, 2019, at the Zota Beach Resort, Longboat Key, Florida)</p>
--	--

ALLAN KRAUS THERMAL MANAGEMENT MEDAL

<p><u>John R. Thome</u>, Ph.D., Member École Polytechnique Fédérale de Lausanne EPFL-STI-IGM-LTCM Mail 9, CH 1015 Lausanne Switzerland</p>	<p>For outstanding contributions to two-phase microfluidic cooling for the electronics industry through extensive and sustained research and technology development, widely cited books and other publications, short-courses, and numerous panels and workshops (2019 International Technical Conference on Packaging and Integration of Electronic and Photonic Microsystems Conference and Exhibition, October 7-9, 2019, at the Hilton Anaheim, Anaheim, California)</p>
--	---

FRANK KREITH ENERGY AWARD

<p><u>Gang Chen</u>, Ph.D., Fellow Massachusetts Institute of Technology Department Mechanical Engineering 77 Massachusetts Avenue, Room 3-174 Cambridge, MA 02139-4301</p>		<p>For pioneering contributions to the development of nanostructuring approaches for the conversion of solar and thermal energy into thermoelectric energy through fundamental studies on transport theory for device characterization and systems</p>
---	--	--

BERNARD F. LANGER NUCLEAR CODES AND STANDARDS AWARD

<p>Richard W. Swayne, Member Reedy Engineering 3425 S. Bascom Avenue Suite E Campbell, CA 95008</p>		<p>For more than 40 years of dedicated leadership in ASME, particularly for outstanding efforts in the advancement of the Board on Nuclear Codes and Standards, and the Boiler and Pressure Vessel Code Section XI–Rules for Inservice Inspection of Nuclear Power Plant Components; and for promoting the Society’s codes and standards throughout the world (Board on Nuclear Codes and Standards Meeting June 13-14, 2019, in New York City)</p>
---	--	--

WILFRED C. LAROCHELLE CONFORMITY ASSESSMENT AWARD

<p><u>Edgar A. Whittle</u>, Member Director, Codes & Standards OneCIS Insurance Company 330 Lynnway Suite 403 Lynn, MA 01901-1713</p>		<p>For exemplary service in ASME conformity assessment and in promoting worldwide expansion of authorized inspection agency accreditation; and for outstanding contributions as a member and officer of numerous ASME technical and conformity assessment committees (2019 ASME Boiler Code Week, August 6, 2019, in Minneapolis, Minnesota)</p>
---	--	---

GUSTUS L. LARSON MEMORIAL AWARD

<p><u>Yong Zhu</u>, Ph.D., Fellow North Carolina State University Department of Mechanical and Aerospace Engineering 911 Oval Drive Raleigh, NC 27695</p>		<p>For outstanding achievements in mechanical engineering within 10 to 20 years following graduation</p>
---	--	--

H.R. LISSNER MEDAL

<p><u>Jennifer S. Wayne</u>, Ph.D., Fellow Virginia Commonwealth University 9831 Waterfowl Flyway Chesterfield, VA 23838-8909 (home)</p>		<p>For outstanding achievements in the development of new computational tools for understanding the biomechanics of joints and effects of injuries and surgical procedures; for the training of medical and bioengineering professionals; and for meritorious service to ASME’s Bioengineering Division (ASME 2019 Summer Biomechanics, Bioengineering, and Biotransport Conference, June 25-28, 2019, in Seven Springs, Pennsylvania)</p>
---	--	---

MACHINE DESIGN AWARD

<p><u>Gregory S. Chirikjian</u>, Ph.D., Fellow Johns Hopkins University Mechanical Engineering Department 223 Latrobe Hall 3400th N. Charles Street Baltimore, MD 21218</p>		<p>For introducing paradigms in the design of hyper-redundant and binary-actuated mechanisms, modular self-reconfigurable robots and spherical motors; and for mentoring generations of students and junior faculty in the areas of mechanisms and robotics (ASME 2019 International Design and Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE) August 18-21, 2019 at the Anaheim Convention Center, in Anaheim, California)</p>
---	--	---

CHARLES T. MAIN STUDENT LEADERSHIP AWARDS

GOLD

<p><u>Sandy Karam</u>, Member Notre Dame University-Louaize Main Street, Facing US Embassy Building 9, 3rd Floor Aoukar, Lebanon</p>		<p>For outstanding service as events manager and president of the ASME Student Section at Notre Dame University-Louaize in Lebanon, and as secretary and student regional chair of ASME's Middle East and Africa region</p>
--	--	---

SILVER

<p><u>Abhijith J. Kumar</u>, Member Federal Institute of Science and Technology 1910 Prasoonam, C K Puram P O Chalad Kannur, Kerala, India, 670014</p>		<p>For outstanding contributions in the development of a strong and efficient community of ASME student volunteers in the state of Kerala and in the establishment of several new ASME student sections in India</p>
--	--	--

McDONALD MENTORING AWARD

<p><u>Naomi Chesler</u>, Ph.D., Fellow University of Wisconsin-Madison Biomedical Engineering Department 2146 Engineering Centers Building 1550 Engineering Drive Madison, WI 53706</p>		<p>For outstanding mentoring of graduate students, postdoctoral fellows and junior faculty; for tirelessly advocating for effective mentoring, diversity and inclusion; and for founding numerous mentoring and diversity programs, locally at the University of Wisconsin-Madison and nationally through ASME's Bioengineering Division (ASME 2019 Summer Biomechanics, Bioengineering, and Biotransport Conference, June 25-28, 2019, in Seven Springs, Pennsylvania)</p>
---	--	--

M. EUGENE MERCHANT MANUFACTURING MEDAL OF ASME/SME

<p><u>Sujeet Chand</u>, Ph.D. Senior Vice President and Chief Technology Officer Rockwell Automation 1201 S. 2nd Street Milwaukee, WI 53204</p>		<p>For pioneering the evolution of smart manufacturing and defining a roadmap for its implementation; for promoting global collaboration; and for leadership in starting public-private partnerships such as the Smart Manufacturing Leadership Coalition (2019 SME International Awards Gala, Sunday, May 19, 2019, at The Westin Book Cadillac Detroit, Detroit, MI)</p>
---	--	---

VAN C. MOW MEDAL

<p><u>Tony Jun Huang</u>, Ph.D., Fellow Duke University Department of Mechanical Engineering and Materials Science 144 Hudson Hall Box 90300 Durham, NC 27708</p>		<p>For pioneering work on acoustofluidics that led to the understanding of interplays among acoustic waves, fluids and particles in the micro/nano scale; and that enabled the probing of intriguing biological processes, pathogen-host interactions, cancer immunotherapy, developmental biology and biomarker discovery (ASME 2019 Summer Biomechanics, Bioengineering, and Biotransport Conference, June 25-28, 2019, in Seven Springs, Pennsylvania)</p>
---	--	--

NADAI MEDAL

<p><u>Ellen M. Arruda</u>, Ph.D., Fellow University of Michigan Mechanical Engineering Department 3680 GG Brown Ann Arbor, MI 48109-2125</p>		<p>For pioneering and impactful research in polymer and tissue mechanics</p>
--	--	--

SIA NEMAT-NASSER EARLY CAREER AWARD

<p><u>Sinan Keten</u>, Ph.D., Member Northwestern University Mechanical Engineering Department 2145 Sheraton Road Room A133 Evanston, IL 60208-0001</p>		<p>For contributions to the development of atomistic and multiscale modeling methods that have provided insight into how nanoconfinement and interfacial phenomena influence the mechanical behavior of polymer thin films, cellulose nanocomposites and biomolecular materials</p>
---	--	---

BURT L. NEWKIRK AWARD

<p><u>Alison C. Dunn</u>, Ph.D., Member University of Illinois at Urbana-Champaign Mechanical Engineering Department 124 Mechanical Engineering Building 1206 W. Green Street Urbana, IL 61801</p>		<p>For first-of-their-kind contributions to the understanding of soft-soft interface lubrication by interpreting the slip interface through poroelastic mechanics and complex fluid mechanics (at the ASME 2019 STLE Tribology Frontiers Conference October 20-23, 2019, in Chicago, Illinois)</p>
--	--	---

RUFUS OLDENBURGER MEDAL

<p><u>Huei Peng</u>, Ph.D., Fellow University of Michigan Mechanical Engineering Department G036 Lay Auto Laboratory Ann Arbor, MI 48109</p>		<p>For innovative applications of control theory to improve the efficiency and safety of electrified and automated vehicles (at the ASME 2019 Dynamic Systems and Control Conference (DSCC), October 9-11, 2019, at the Grand Summit Hotel, in Park City Utah)</p>
--	--	---

OLD GUARD EARLY CAREER AWARD

<p><u>Lee M. Clemon</u>, Ph.D., Member University of Technology Sydney CB11.09.127 81 Broadway Ultimo, NSW 2007 Australia</p>		<p>For growth as an engineering expert through educational and professional accomplishments, from earning graduate degrees to experience in both industry and academia; for progressive volunteer contributions in ASME and the community; and for inspiring young people and the experienced to advance their careers to the next level through a passion for leadership development</p>
---	--	---

Runner-Up

<p><u>Tran Mah-Paulson</u>, Member T.D. Williamson Canada ULC 1627 Cunningham Way SW Edmonton AB T6W 0V8 Canada (home)</p>		<p>For organizing and leading events and developing best practices to engage early career engineers as a participant in ASME's Early Career Leadership Intern Program to Serve Engineering, as early career director of ASME's Pipeline Systems Division and as past president of the Young Pipeliners Association of Canada</p>
---	--	--

Runner-Up

<p><u>Kushi Sellahennedige</u>, Member Jenike & Johanson 66 Merrimack Meadows Lane Tewksbury, MA 01876 (home)</p>		<p>For more than a decade of ASME service, from college freshman to senior engineer; for mentoring university students, serving as chair at two local ASME sections and completing ASME's Early Career Leadership Intern Program to Serve Engineering; and for earning a master's degree and professional engineering license</p>
--	--	---

OUTSTANDING STUDENT SECTION ADVISOR AWARD

<p><u>Mohammad Mahinfalah</u>, Ph.D., Fellow Milwaukee School of Engineering Mechanical Engineering Department S67W29104 South Ridge Pass Mukwonago, WI 53149</p>		<p>For over a quarter-century of dedicated service to ASME students as the Student Section Advisor at two higher education institutions. His contagious influence on students fostered their growth to become value creators and responsible leaders</p>
---	--	--

PERFORMANCE TEST CODES MEDAL

<p>Steven Scavuzzo, Member Technical Consultan The Babcock & Wilcox Co. P.O. Box 351 Barberton, OH 44203-0351</p>		<p>For outstanding leadership contributions and dedication to performance test codes, particularly in the testing methods, combustion technology and programs of fired steam generators, air heaters and waste-to-energy boilers (2019 PTC Standards Committee meeting, July 18, 2019 in conjunction with the ASME Power And Energy Conference in Salt Lake City, Utah)</p>
---	--	--

PI TAU SIGMA GOLD MEDAL

<p><u>Jesse Capecelatro</u>, Ph.D., Member University of Michigan Mechanical Engineering Department 1231 Beal Avenue Ann Arbor, MI 48109</p>		<p>For outstanding achievements in mechanical engineering within 10 years of graduation</p>
--	--	---

CHARLES RUSS RICHARDS MEMORIAL AWARD

<p><u>Pradeep Sharma</u>, Ph.D., Fellow University of Houston Department of Mechanical Engineering 4726 Calhoun Road Houston, TX 77204</p>		<p>For outstanding achievements in mechanical engineering for 20 years or more following graduation</p>
--	--	---

RALPH COATS ROE MEDAL

<p>General Charles F. Bolden Jr. President The Bolden Consulting Group LLC 4749 Neptune Drive Alexandria, VA 22309-3132</p>		<p>For outstanding leadership of America's aeronautics and space programs; for courageous service in the fight to preserve freedom and liberty; and for dedication as a role model, inspiring others through words and actions (ASME Annual Meeting, June 2, 2019 Orlando, FL)</p>
---	--	---

ROBERT M. NEREM EDUCATION AND MENTORSHIP MEDAL

<p><u>Kenneth R. Diller</u>, Ph.D., P.E., Fellow University of Texas at Austin Department of Biomedical Engineering 107 W. Dean Keeton Street BME 4.202A Austin, TX 78712</p>	<p>For leadership in establishing three biomedical engineering departments within The University of Texas System; for co-authoring a prominent biotransport textbook; and for mentoring more than 50 graduate students, thousands of undergraduates, and countless faculty at UT and across the United States (ASME 2019 Summer Biomechanics, Bioengineering, and Biotransport Conference, June 25-28, 2019, in Seven Springs, Pennsylvania)</p>
---	---

SAFETY CODES AND STANDARDS MEDAL

<p><u>Martin P. Schroeder</u>, M.S.M.E, P.E. Senior Rail Technologist 100 South Charles Street Tower 2, Suite 1000 Baltimore, MD 21201-2715</p>	<p>For outstanding leadership in the development of RT-1, the Safety Standard for Structural Requirements for Light Rail Vehicles; and RT-2, the Safety Standard for Structural Requirements for Heavy Rail Transit Vehicles (2019 Rail Transit Vehicle Standards Committee Meeting, October 22-23 2019, in Washington, DC)</p>
---	--

R. TOM SAWYER AWARD

<p><u>Om P. Sharma</u>, Ph.D., Fellow Senior Research Fellow United Technologies Research Center 411 Silver Lane East Hartford, CT 06108</p>	<p>For contributions at the forefront of turbomachinery technology development in advanced engines for military and commercial applications through career efforts that have championed and harnessed the best available physics-based analysis methods to pioneer step changes in turbomachinery capability (2019 ASME TurboExpo, Turbomachinery Technical Conference & Exposition, June 17-21, 2019, at the Phoenix Convention Center, Phoenix, Arizona)</p>
--	---

MILTON C. SHAW MANUFACTURING RESEARCH MEDAL

<p><u>Srinivasan Chandrasekar</u>, Ph.D., Fellow Purdue University School of Industrial Engineering 315 North Grant Street West Lafayette, IN 47907-2023</p>	<p>For contributions to mechanics and microstructure aspects of material removal and deformation processes, and pioneering applications of machining-based processes for materials manufacturing (2019 Manufacturing Science and Engineering Conference hosted by Penn State Erie, The Behrend College, Erie, Pennsylvania, June 10-14, 2019)</p>
--	--

RUTH AND JOEL SPIRA OUTSTANDING DESIGN EDUCATOR AWARD

<p><u>Janet K. Allen</u>, Ph.D., Fellow University of Oklahoma Department of Industrial and Systems Engineering 202 West Boyd Street, Room 116G Norman, OK 73019</p>	<p>For sustained and meritorious contributions to design education through dedication and visionary leadership; and for inspiring the next generation of engineers and academics through scholarship, teaching and mentoring (ASME 2019 International Design and Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE) August 18-21, 2019 at the Anaheim Convention Center, in Anaheim, California)</p>
--	--

SPIRIT OF ST. LOUIS MEDAL

<p><u>Kevin G. Bowcutt</u> Chief Scientist of Hypersonics The Boeing Company 5301 Bolsa Avenue Mail Code H020-F114 Huntington Beach, CA 92647-2009</p>		<p>For pioneering the X-43A hydrogen scramjet engine flight demonstrator that broke the speed record for airbreathing powered aircraft, achieving Mach 10.0 in flight; and for leading the development of the X-51A hydrocarbon powered scramjet engine aircraft that achieved Mach 5.1 under scramjet propulsion</p>
--	--	---

J. HALL TAYLOR MEDAL

<p><u>Walter Sperko, P.E., Fellow</u> Sperko Engineering Services Inc. 4803 Archwood Drive Greensboro, NC 27406-9795</p>		<p>For distinguished leadership and professionalism in the advancement and recognition of ASME codes and standards for welding, piping and pressure vessels; and for significant contributions to the standardization of ASME code requirements for the qualification of welders, welding operators and brazers</p>
--	--	---

ROBERT HENRY THURSTON LECTURE AWARD

<p><u>Yonggang Huang, Ph.D., Member</u> Northwestern University Department of Mechanical Engineering 2145 Sheridan Road Evanston, IL 60208-0834</p>		<p>For pioneering work on fractal mechanics and its applications; and for significant contributions to the development of networked materials</p>
---	--	---

TIMOSHENKO MEDAL

<p><u>J.N. Reddy, Ph.D., P.E., Fellow</u> Texas A&M University Department of Mechanical Engineering College Station, TX 77843-3123</p>		<p>For lifetime contributions to research and education in applied mechanics through the authorship of creative and highly-cited papers on variational principles, refined theories of plates and shells, computational methods and nonlocal theories, which have impacted generations of engineers</p>
--	--	---

SAVIO L-Y. WOO TRANSLATIONAL BIOMECHANICS MEDAL

<p><u>Rita M. Patterson, Ph.D., Fellow</u> University of North Texas Health Science Center 3500 Camp Bowie Boulevard Fort Worth, TX 76107</p>		<p>For biomechanics research on the hand and wrist that has led to changes in surgical interventions and has significantly impacted the treatment of patients with hand/wrist disorders; for well-cited and high-quality publications; and for influencing medical practice through the dedicated mentoring of students (ASME 2019 Summer Biomechanics, Bioengineering, and Biotransport Conference, June 25-28, 2019, in Seven Springs, Pennsylvania)</p>
---	--	---

HENRY R. WORTHINGTON MEDAL

<p><u>Akira Goto, Ph.D., Member</u> Technical Superintende Ebara Corporation 4-2-1 Honfujisawa, Fujisawa-shi Kanagawa 251-8502 Japan</p>		<p>For seminal accomplishments in the development of advanced numerical and experimental pump research methodologies; for unique contributions in the design technologies of worldwide pumping machinery through Japanese industry-academia collaborations; and for distinguished service in the pumping machinery community</p>
--	--	--

S.Y. ZAMRIK PRESSURE VESSELS AND PIPING MEDAL

<p><u>Young W. Kwon</u>, Ph.D., Fellow Naval Postgraduate School Department of Mechanical and Aerospace Engineering 1222 Josselyn Canyon Road Monterey, CA 93940 (home)</p>	<p>For significant research and development contributions in the application of computational methods to fluid structure interaction; for effectiveness as an educator; and for extensive service to ASME's Pressure Vessels and Piping Division (ASME Pressure Vessels & Piping Conference, July 14-19, 2019, at the Hyatt Regency San Antonio River Walk, in San Antonio, Texas)</p>
--	---

LITERATURE AWARDS

BLACKALL MACHINE TOOL & GAGE AWARD

<p><u>Burak Sencer</u>, Ph.D., Member Oregon State University Department of Mechanical, Manufacturing and Industrial Engineering, Oregon State University, Corvallis, OR 97331</p> <p><u>Shingo Tajimar</u> Oregon State University Department of Mechanical, Manufacturing and Industrial Engineering Corvallis, OR 97331</p>	<p>For the paper titled "Frequency Optimal Feed Motion Planning in Computer Numerical Controlled Machine Tools for Vibration Avoidance" (2019 Manufacturing Science and Engineering Conference hosted by Penn State Erie, The Behrend College, Erie, Pennsylvania, June 10-14, 2019)</p>
--	---

FREEMAN SCHOLAR AWARD

<p><u>Upendra S. Rohatgi</u>, Ph.D., Fellow Senior Mechanical Engineer Brookhaven National Laboratory Department of Nuclear Energy Building 197D Upton, NY 11973-5000</p>	<p>For the paper titled "Validation, Verification, Scaling and Uncertainty Quantification for Thermal-Hydraulics Predictive Tools" (2019 ASME-JSME- KSME Joint Fluids Engineering Conference, July 28– August 1, 2019, at the Hyatt Regency, in San Francisco, California)</p>
---	---

GAS TURBINE AWARD

<p><u>Christoph Brandstetter</u> Ecole Central des Cotes 36 Avenue de Collongue 69134 Ecully France</p> <p><u>Maximilian Jüngst</u> Technische Universität Darmstadt Institute for Gas Turbines and Aerospace Propulsion Otto-Berndt-Strasse 64287 Darmstadt Germany</p> <p><u>Heinz-Peter Schiffer</u>, Member Technische Universität Darmstadt Institute for Gas Turbines and Aerospace Propulsion Otto-Berndt-Strasse 64287 Darmstadt Germany</p>	<p>For the paper titled "Measurements of Radial Vortices, Spill Forward and Vortex Breakdown in a Transonic Compressor" (2019 ASME TurboExpo, Turbomachinery Technical Conference & Exposition, June 17-21, 2019, at the Phoenix Convention Center, Phoenix, Arizona)</p>
--	--

HENRY HESS EARLY CAREER PUBLICATION AWARD

<p><u>Benjamin Werbner</u> Mechanical Engineering Department University of California, Berkeley 2162 Etcheverry Hall, #1740 Berkeley, CA 94720-1740</p> <p><u>Minho Zhou</u> Mechanical Engineering Department University of California, Berkeley 2162 Etcheverry Hall, #1740 Berkeley, CA 94720-1740</p> <p><u>Grace O'Connell</u>, Ph.D., Member Mechanical Engineering Department University of California, Berkeley 2134 Jefferson Avenue Berkeley, CA 94703 (home)</p>		<p>For the paper titled "A Novel Method for Repeatable Failure Testing of Annulus Fibrosus"</p>
---	--	---

EDWARD F. OBERT AWARD

<p><u>John H. Lienhard V</u>, Ph.D., Fellow Massachusetts Institute of Technology Mechanical Engineering Department 77 Massachusetts Avenue Room 3-166 Cambridge, MA 02139</p>		<p>For the paper titled "Entropy Generation Minimization for Energy-Efficient Desalination"</p>
--	--	---

WORCESTER REED WARNER MEDAL

<p><u>Arun R. Srinivasa</u>, Ph.D. Texas A&M University Department of Mechanical Engineering College Station, TX 77807</p>		<p>For 40 years of scholarly research contributions to the permanent literature of engineering, particularly through a book on inelasticity, original research papers on crystal plasticity and the dissipative response of solids and fluids, and innovative work on smart materials</p>
--	--	---

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

Date Submitted: May 13, 2019
BOG Meeting Date: June 2, 2019

To: Board of Governors
From: Committee of Past Presidents
Presented by: Leila Persaud, Manager Honors & Fellows
Agenda Title: CY 2018 Fellows Listing

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

Attached for information is the listing of ASME Fellows elected in CY 2018.

Proposed motion for BOG Action: *(if appropriate)*
None

Attachment: Yes

2018 ASME Fellows

Eric Barth
Jeffrey Bergthorson
Louis Bialy
Todd Bjerke
Matthew Brake
William Blevins
Michael Burshtin
Dean Cave
Harsha Chelliah
Haofeng Chen
Yong Chen
Yu-bin Chen
Shumin Cheng
Sung Choi
Dirk Dauw
Baris Dogruoz
Tomasz Drozda
Stephen Ekwaro-Osire
Hugh Fan
Troy Feese
Thomas Fu
Kozo Fujii
Stephen Gadsden
X. Edward Guo
Hamid Hadim
Marc Halpern
D. Gary Harlow
Harold Harrison
Brian Helenbrook
Michael Hill
Patrick Hopkins
Xiao Huang
Mahmoud Hussein
Thomas Jackson
Timothy Jacobs
David Lambert
Wenping Jiang
Xiaoning Jiang
Lan Jiang

Wavel Justice
Jayanta Kapat
Imane Khalil
Satish Kumar
Sunil Kumar
Valeria La Saponara
Stefano Lenci
Ye Li
Feng Lin
Cameron Lonsdale
Larry Luna
Ravi Madabhushi
Chris Sat Maharaj
Pierre Mertiny
Vahid Motevalli
Shawn Moylan
Michele Miller
Fady Najjar
Richard Neptune
David Noble
Joseph Oefelein
Glen Palmer
Brian Paul
Michael Philen
Dale Pitt
Gary Polansky
Ihab Ragai
Alton Reich
Mark Rentschler
Inanc Senocak
Lori Setton
Mitra Sexton
Jie Shen
Rolf Sondergaard
Fotis Sotiropoulos
David Soukup
Anne Spence
Xin Sun
Matt Taher

Xiaobo Tan
Jiong Tang
Herbert Tanner
Alexandra Techet
Stavros Thomopoulos
Joseph Thorp
Stephen Tse
Lawrence Ukeiley
Sankaran Venkateswaran
Narendra Vira
Miguel Visbal
Trey Walters
Hai Wang
Yun Wang
Xiaozhi Wang
Aaron Wemhoff
James Wilson
Neil Wright
Lijun Xu
James Yang
Xiaobo Yang
Kyongsu Yi
Mohsen Asle Zaeem
Fu Zhao
Yanhang Zhang
Xiaoguang Zhong
John Zudans

ASME Board of Governors

Agenda Item

Cover Memo

Date Submitted: May 6, 2019

BOG Meeting Date: June 2, 2019

To: Board of Governors

From: Sector Management Committee

Agenda Item Executive Summary:

The report updates the BOG on SMC activity and is for information only.
There is no action required.

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

No action

Attachments:

One



SMC Report to the Board of Governors June 2019

SMC Operations

- The BoG approve in principle the formation of a new Member Development and Engagement (MDE) Sector to provide governance for sections, student sections and membership development.
- The BoG approved in principal the change of the Technical Events and Content Sector to Technical Engineering Communities (TEC) Sector

Public Affairs & Outreach Sector – Kalen Guiley/John Hasselmann

Highlights:

- **Committee on Engineering Education (CEE):** March 2019—Convened a successful Mechanical Engineering Education (MEED) Leadership Summit in New Orleans, LA with over 150 attendees and a robust program of committee meetings, keynote addresses, briefings, plenaries, and more
- **Committee on Government Relations (CGR):** April 2019—Organized and executed the 16th annual Engineering Public Policy Symposium with over 150 attendees in Washington, DC—in conjunction with remarks by Members of Congress, a dinner and tour in the U.S. Capitol, a CGR meeting, Congressional visits for ASME members, and a Congressional briefing on bioengineering and the manufacturing of organs/tissues
- **Diversity & Inclusion Strategy Committee (DISC):** Requested by ASME Programs, DISC put together a draft code of conduct for E-Fest for further review by ASME leadership; and DISC delivered two presentations at GLDC focused on attracting new audiences to technical conferences and sections
- **Engineering for Global Development (EGD):** April 2019—Held a committee meeting at ASME headquarters, covering—among other topics—the Innovation Showcase (ISHOW), Engineering for Change (E4C) Research Fellows, and Impact.Engineered; ISHOW-India also took place in April, plus ISHOW-Kenya and convening the E4C Fellows in NY in May
- **The Industry Advisory Board (IAB):** March 2019—Convened its spring meeting in New Orleans, co-located with MEED for discussions on the relationship between industry and academia and provided input to the Committee on Engineering Accreditation’s review of ABET criteria
- **Pre-College Education:** ASME INSPIRE held four middle school visits in MD, NJ, and TX—featuring Tom Costabile, Charla Wise, Bill Garofalo, Kathleen Lobb, Anand Sethupathy, and representatives from Siemens; and INSPIRE had a hands-on booth at the K-12 STEA2M Expo Fair at E-Fest West in Pomona, CA
- **The Public Affairs & Outreach (PAO) Sector/Council:** Since IMECE 2018, PAO has been convening teleconferences with increasing participation, focused on analyzing the field of robotics and the above units; PAO also sent four designees to the April 2019 VOLT Cross-Sector Leadership Workshop

Upcoming Activities/What's on the Horizon?

- **Committee on Engineering Education (CEE):** Planning is underway for a joint international mechanical engineering education conference in Shanghai with the Chinese Mechanical Engineering Society (CMES) in October 2019 and for a conference on Women in Mechanical Engineering in 2020
- **Committee on Government Relations (CGR):** Government Relations will continue its outreach on Capitol Hill, its support for Congressional briefings sponsored by the United Engineering Foundation (UEF), and its planning for a briefing and expo to highlight the Manufacturing USA Institutes
- **Diversity & Inclusion Strategy Committee (DISC):** At the 2019 Annual Meeting, DISC will look to develop broader training on diversity and discuss ways to support CEE's upcoming 2020 Women in ME conference
- **Engineering for Global Development (EGD):** Planning and funding exploration underway for an ISHOW in Rio de Janeiro, Brazil in September 2019—the first in South America; and ISHOW Bootcamp and Impact.Engineered will convene in NY in October
- **The Industry Advisory Board (IAB):** The IAB's fall meeting is slated for September 2019 in DC where discussions will focus on public policy issues as they relate to industry, among other topics
- **Pre-College Education:** Supported by a UEF grant, K-12 outreach training sessions will kick off in August 2019 for professional engineers to effectively engage in classroom visits; and with Lenovo grant funding, ASME will host three "See What You Can Be" workshops focused on mentoring and encouraging high school girls of color interested in pursuing engineering-related careers (DC, GA, and MI)
- **The Public Affairs & Outreach (PAO) Sector/Council:** At the 2019 Annual Meeting, PAO will continue to solicit external expertise in its analysis of robotics, including during an offsite visit at Orlando's Mitsubishi Hitachi Power Systems plant

Council on Standards and Certification – Sam Korellis/Claire Ramspeck

Highlights:

- The Council has met three times since the last SMC meeting. They met twice in November; the first meeting was held virtually to primarily discuss informational items and the second meeting was in person in conjunction with Boiler Code Week in Atlanta. It was the first such Council meeting at a code week. The Council also met virtually in February.
- The Council has approved that another Standards Committee on Mobile Unmanned Systems (MUS) be formed under the Board on Standardization and Testing.
- The Council approved the development of a business case for the need of a new standard for design of fossil fuel, chemical, petrochemical and nuclear facility plant systems.
- The Council approved the establishment of a new Y14.5.2 GDTP Certification Standard Committee to develop standards and establish the requirements for certification programs for Y14.5 Geometric Dimensioning and Tolerancing Professionals. The certification program features will be consistent with personnel certification best practices. The Committee will report to the Board on Conformity Assessment (BCA).

Upcoming Activities/What's on the Horizon?

- Standards and Certification sent staff person Carlton Ramcharran to speak at E-Fest North, which had approximately 800 students and faculty in attendance overall. Mr. Ramcharran gave a

presentation entitled, “Inside Standards and Certification.” They engaged in an energetic exchange with many questions. In addition to his presentation, Mr. Ramcharran spent time networking with and encouraging the students to get more involved in standards work.

- The Council continues to focus on international growth. This is reflected in the increase of International Working Groups (IWGs) as well as more focus on the process of translations. The number of international members on standards committees continues to grow.

Conformity Assessment – Sam Korellis/Jon Labrador

Highlights:

- Retention rate for Pressure Equipment Certification continues to exceed expectations at 90.8%, although a majority of companies that decided not to renew are in the U.S. New certificates down this fiscal year.
- Conformity Assessment derivative products continue to outperform revenue and signup expectations this fiscal year.
- The Conformity Assessment Code Verification Program for hard copy purchases of the BPV Code proven very effective this fiscal year and in FY'18 as demonstrated by increases in code book sales
- Successful audiences with the Ministries of Production and Energy in the countries of Thailand, Vietnam, Uruguay, India, Italy, Kazakhstan and Argentina. In preliminary discussions with both Thailand and Vietnam to adopt ASME certification and associated standards in regulations. Argentina has already agreed to subsidies for companies seeking ASME Nuclear Certifications.
- Pivotal in establishing a Standards International Working Group in Spain for BPV SC-IX as a result of Conformity Assessment Workshops held in the region with manufacturers the previous year
- Idaho National Labs achieved ASME NQA-1 Certification in May and will now work to require that their suppliers be ASME NQA-1 Certified; a major endorsement for CA.
- Tom Costabile served as the keynote speaker on behalf of Conformity Assessment for the European Pressure Equipment Research Council's 1st Pressure Equipment Conference in Rome this past March. Conformity Assessment presented four papers during the conference.
- Conformity Assessment and Standards are in preliminary discussions with SASO from Saudi Arabia for adoption of standards and associated certifications in Saudi regulations.

Upcoming Activities/What's on the Horizon?

- Conformity Assessment 360 Workshop activities continue with Brazil and Germany up next to raise awareness of ASME's Standards and Certification “gold standard” products.
- Work with two major companies in India continues in May, June and July to improve quality processes all along their supply chain.

Group Engagement Committee (MED Sector) – John Mulvihill/Tim Graves

Highlights:

- The Group Engagement Committee (GEC) has conducted monthly meetings and teleconferences to address issues regarding Professional Sections and Student Sections.
- The GEC Sections Representative continued to hold two monthly teleconferences, including an eastern and western conference, with the Professional Sections reaching out and addressing their issues and concerns.
- The Group Engagement Committee Operations Guide was finalized by the GEC.
- The Group Leadership Development Conference (GLDC) was held in San Antonio, Texas during the period of March 1-3, 2019. Preliminary results from both Technical Divisions and Professional Sections, indicated a successful event. Staff reported that 194 members attended, including 86 Section members from 71 Sections, 32 Technical Division members and 1 Research Committee member.
- The GEC Tools and Communications Coordinators continued to work with ASME Staff on testing and resolving the issues related to the Volunteer Leadership Directory (VLD), new webinar tool and Community Group pages.
- Revisions to the GEC Organizational structure are ongoing with Region leaders identified for the 5 North American Regions and 4 some of the International Regions. Additional support volunteers, to include Regional Student Section Advisors, are being identified in order to improve support to Sections and Student Sections.
- Staff reorganization is ongoing and support for the GEC and Professional Sections is in the process of being recruited.
- A Society Policy on Grants, Donations, Gifts and Sponsorship by Groups and a revised Society Policy on Solicitation of Funds were drafted and finalized by the GEC and are now being reviewed by the ASME Foundation staff.
- The Professional Section Activity Funding Program was revised to improve support to Sections. The revised financial impact is included in the proposed budget.
- GEC Chair and International Representative held a teleconference with ASME Staff to discuss and understand the International banking issues.
- The GEC reviewed and revised its Goals for the upcoming year consistent with the proposed organizational structure changes.
- The GEC Chair has held a number of meetings and teleconferences with the President's Organizational Task Force to determine the process needed to transition the GEC to a Sector. The BOG approved, at their April meeting, a preliminary plan to create a Member Development and Engagement (MDE) Sector to be implemented following a change to the ASME By-laws and approval of the MED organizational structure and operating guide.

Upcoming Activities/What's on the Horizon?

- The GEC will meet on Monday, June 3rd at the Annual Meeting in Orlando, Florida.
- The Organizational Structure and Operations Guide for the proposed MED Sector will be finalized and presented to the BOG for approval. The process for selecting the SVP for the new Sector will be discussed and the criteria and time line established.

- GEC will continue to work with the Sectors on coordinating and implementing Section, Student Section and Technical Division Cross Sector Collaboration programs. A joint meeting with the SECD is scheduled at the Annual Meeting
- A proposed change to the Rules for Segregated Accounts eliminating the current spending limit will be finalized and presented to COFI for approval.
- Student Section Leadership Training at IMECE will be reviewed and revised as necessary.
- GEC will review and document its 1 year, 1-3 year and 4-10 year goals in support of the FY 20 IOP.
- GEC will discuss Professional Section and Division Leader training and coordinate this action with ASME Staff and VOLT.

SECD Sector – Callie Tourney/Anand Sethupathy

Highlights:

- Completed the series of four FY19 ASME E-Fests, and to date have held nine ASME EFX events. The full series of events resulted in 5775 student registrants, 5709 student attendees, 2055 new member signups, and 9 new student sections.
- 2020 E-Fest Asia Pacific has been contracted and set for February 28 – March 1, 2020 at Marwadi University in Rajkot, Gujarat, India.
- Selected Student Programming Committee (SPC) Chair-Elect, incoming ASME E-Fest Steering Committee Chair, incoming Early Career Engineer Programming Committee (ECEPC) Chairs and incoming Member-at-Large (MAL) terms in July 2019. MAL focus on mentoring.
- Incoming ECLIPSE selected for first-ever SECD intern with project options in place.
- SECD has planned a working session at 2019 Annual Meeting to improve collaboration and clarification with groups, section and the emerging Membership Development and Engagement (MDE) sector.
- SECD presentation and FutureME booth at March GLDC resulted with Manufacturing Engineering Division (MED) EFX interest for Centennial Celebration, leveraged face-to-face meeting with Petroleum Division and on-going discussion with sections regarding building ECE community and its FutureME brand awareness.
- The Early Career Engineer Programming Committee (ECEPC) and its teams are working on further development of the strategy, roadmaps, and documentation for the 5 new ECE initiatives: Build community through networking and events; Develop programs for engagement with ASME groups and employers; Increase early career engineer representation in all levels of the Society; Target the transition from student to early career; and Digital engagement and content creation & delivery.
- In collaboration with membership and marketing, a pilot program is underway to test a new graduation package concept to provide more awareness to graduating engineering students about what ASME has to offer them after graduation. Team created a HubSpot campaign site along with identifying 20 schools involved in hosting graduation ceremonies delivering a template presentation drafted for the sections to use.
- Early Career Engineer Events: Held 2 ASME FutureME Mini-Talks and one FutureME Social Meetup.
- Early Career Engineer Content: Published November 2018, January 2019, March and May issues of *ME Today*; released roughly nine (9) video clips (September – April) on our YouTube channel, and released on social media (Facebook and Twitter); released the Abridged Basics of Career Development (ABCD) module on Career Transitions and Ethics. Post-production is underway with 2 interviews on Mentoring.

Upcoming Activities/What's on the Horizon?

- ECLIPSE Class working on SECD project proposal to bring value to Early Career for their Employer will present to ECEPC and Council of Past Presidents.
- Pilot of an Employer Thank You letter for ECEs to print and present to their managers to spark the discussion around their extra-curricular activities and the possible support of their ASME involvement post the IMECE19 conference.
- ASME 2019 E-Fest South America is set for Peru from August 8-10. Several EFX applications from around the world have been received and being reviewed.
- Continue development of replicable student programming not connected to ASME events for deployment through Student Sections.
- Marketing Release of competition rules in May for 2020 Student Design Competition (SDC), Human Powered Vehicle Challenge (HPVC) and Innovative Additive Manufacturing Competition (IAM3D) contests for 2020. Conversations with Old Guard to innovate existing competitions.

Appendix – SECD Details:

- FY2019 ASME E-Fests had successfully completed the total four Festivals:
- ASME E-Fest North at Michigan State University, in April 2019 was the final E-Fest. Total of 991 registered with 825 actual student participants. Several teams from across the USA and Puerto Rico and from Canada, Egypt, Mexico and Taiwan came to compete and several students that were not competing but attending for the workshops and learning opportunity. A Texas Tech University student secured a summer internship with Boeing as a result of talking with the representative at the sponsor booth.
- The E-Fest West at Fairplex in Pomona, CA in March 2019 had 500 E-Fest participants. This E-Fest was co-located with a K-12 STEAM event, which allowed for connection between college and precollege students and the opportunity to expose precollege students to the excitement of an ASME E-Fest.
- The E-Fest Asia Pacific in Vellore, India in February 2019 resulted with the largest ever to date attendance with 1299 participants. Hundreds of students from sections that were newly formed shared in the excitement and energy of this event along with several faculty advisors who participated in a roundtable forum.
- The ASME E-Fest South America in Rio de Janeiro, Brazil, in August 2018 was the first E-Fest in South America with 611-total registered.
- In March 2019 ASME held the first US EFX event at NYU. This followed the successful pilot series of EFX events held in India and Mexico in fall calendar year 2018.
- ASME FutureME Mini-Talks were held at IMECE18 (4 presenters, 107 attendees, NPS 71) and at ASME E-Fest North (4 presenters, 30 attendees, NPS 46); we also held an ASME FutureME Social Meetup (83 attendees, NPS 79).
- ASME FutureME exhibited 3 days at E-Fest North, to meet-n-greet with engineering student attendees. Survey conducted (83 responses) to learn more about their on-campus experience with ASME.
- ECEPC incoming chair: Elizabeth Strautin; ASME EFest Steering Committee incoming chair: Twish Mehta; SPC incoming chair elect: Nathan Taylor; incoming NC: (Voting) Siddharth Jajeda; (Alternate): Leila Aboharb, Gemma Iruegas, Joseph Radisek; SECD incoming MAL: Justin Young.
- Dr. Columbia Mishra is the incoming ECLIPSE intern for SECD.

Technical and Engineering Communities Sector (TEC) – Rick Marboe/Tim Graves

Highlights:

- GTS SLT created a new event, Advanced Manufacturing and Repair for Gas Turbines (AMRGT), under the IGTI Division, which was held in Berlin March 19-20, 2019. Initial reports shows it was successful and well-received by those who attended. Expected attendance was 90, actual attendance was 109.
 - The GTS SLT has several new ideas they are working on, including a possible new event on “Hybrid to Electric Propulsion for Aircraft” for FY 2021.
 - The GTS SLT has established an effective succession plan to maintain continuity while also ensuring new, high-level volunteers have an opportunity to join and contribute to the team.
- Energy Conversion and Storage Segment (ECS)
 - Successful Advanced Clean Energy Summit (ACES) Congressional Briefing focused on Nuclear Energy on March 27 at the Rayburn Building.
 - Segment Leadership Team (SLT) held Strategic Planning face-to-face meeting on March 28-29 in Washington, DC.
 - SLT has proposed an Energy Storage Conference and work jointly with the Gas Turbine Segment
 - The Nuclear Engineering Division represented ASME at the NEI International SMR and Advanced Reactor Summit in Atlanta, GA
- ESP hosted the Asset Integrity Management – Pipelines Integrity Management under Geohazard conditions conference in Houston in March
 - India Oil & Gas Pipeline Conference was held in New Delhi in April
- DMM hosted Joint Rail Conference in April in Park City
- 34 Divisions attended the GLDC event in March

Upcoming Activities/What’s on the Horizon?

- GTS SLT will hold an in-person meeting in Phoenix, June 16, 2019.
- ECS will host a second ACES Congressional Briefing focused on Energy Storage on June 18th at the Rayburn Building
- Power2019 Conference will be held in Snowbird, UT July 15-18, 2019
- Advanced Clean Energy Summit is underway and to be held on September 16-17, 2019
- OTC Houston May 6-10
- OMAE Conference in Glasgow, Scotland June 9-14
- The TEC Sector Council will meet in Orlando on June 1.
- TEC Council is working on the direction provided by the Board of Governors in June for governance.

VOLT Academy – Howard Berkof/Clare Bruff

Highlights:

- A briefing for the candidates for Governor was held on May 3 via webinar.
- The VOLT Cross-Sector Leadership Development Workshop was held April 25-27 in New York with 17 participants from across the sectors.
- A briefing for the candidates for ASME President was held on April 25 in New York.
- The ECLIPSE Orientation and Leadership Workshop was held April 7-9 in Washington, DC, in conjunction with the Engineering Public Policy Symposium.
- The incoming 2019-2020 ECLIPSE interns were selected and placed. There will be 10 interns for the upcoming program year, the largest cohort ever. Interns have been assigned to the following units: Board of Governors, Diversity and Inclusion Strategy Committee, Group Engagement Committee, History and Heritage Committee, Public Affairs and Outreach Sector, Standards and Certification Sector, Student and Early Career Development Sector, Technical Events and Content/Bioengineering Division, Technical Events and Content/Petroleum Division, VOLT Academy.
- VOLT delivered 3 webinars for the Nominating Committee: an orientation in January, a briefing with the PEDT in February, and a training on unconscious bias in March.
- VOLT delivered a training for the Board on Conformity Assessment on November 13 at Boiler Code Week in Atlanta. This session was based on the New Chair Orientation and Training from the 2018 Annual Meeting, and was prepared at the request of the Chair of the Board on Conformity Assessment who was a participant in that session.
- A VOLT Leadership Workshop entitled, “Fostering an Innovative Environment” was offered twice during IMECE. The workshop was presented by Liz Kisenwether, co-director of the Lion LaunchPad program at Penn State, and Matt Barnes, a researcher in machine learning and robotics at Carnegie Mellon.
- VOLT delivered an Officer and Governor Elect Orientation on November 9 at IMECE. The 3 Governors-Elect and one Senior Vice President-Elect participated.

Upcoming Activities/What’s on the Horizon?

- The ECLIPSE Reception will be held on Saturday, June 1 during the Annual Meeting in Orlando, Florida, to mark the end of the 2018-2019 and start of the 2019-2020 program year.
- A VOLT Leadership Workshop entitled “Inclusion, Healthy Leadership Practices, and Thriving Organizations” is scheduled for Saturday, June 1 during the Annual Meeting. The workshop will be presented by Matt Paknis, a senior management consultant.
- A briefing for the Nominees to the Board of Governors is scheduled for Wednesday, June 5 at the Annual Meeting.
- The VOLT Executive Committee is preparing recommendations to repair the volunteer pipeline and connect into units and sectors across the society looking for volunteers.
- The VOLT Executive Committee plans to hold its annual planning meeting in Philadelphia in September.