For nearly 140 years, ASME has harnessed the passion and expertise of its volunteers, members, and staff in our collective efforts to advance the mechanical engineering profession, share the excitement of engineering, and serve as a resource for technical solutions for the betterment of humankind throughout the world. With yet another notable year behind us, ASME is positioned for sustained growth that will enable us to remain a trusted resource for engineering professionals while continuing to promote our mission and vision for many years to come.

A major emphasis throughout the Society during the past year was reconnection and rejuvenation. Throughout the year, we actively sought opportunities to re-engage with literally thousands upon thousands of volunteers and members across ASME’s Sections, Technical Divisions and other groups within the ASME family. We traveled extensively throughout the world, taking part in local section meetings, technical conferences, and special activities such as the Society’s new ASME Connect events in order to meet with the Society’s volunteers and members, gain insights to their perspectives, and to learn how ASME can make their involvement in the Society even more meaningful. To support, promote, and complement this effort, we also hired additional staff members and implemented a new staffing structure to provide enhanced support for ASME’s Sections and Divisions.

ASME’s desire to expand and build on our engagement with our many constituents and stakeholders has extended into the digital realm as well. Last year, in addition to establishing a presence on Twitter and Facebook, as Executive Director/CEO, I had the privilege of helping launch a new podcast series, ASME Today & Tomorrow®, which gave me the opportunity to engage in lively discussions with ASME volunteers and staff on a variety of topics ranging from the future of engineering education and the engineering profession to many topics of great importance within the Society, such as an in-depth look at Code Week, a discussion with ASME’s five female past presidents, and a fascinating conversation about the nomination process for Society officers.

ASME maintained its commitment to the future of the profession — engineering students and early career engineers — with the launch of the new EFx program, a modified version of the successful ASME Engineering Festivals™ (E-Fests) initiative. The program kicked off last August in India with the inaugural event at Marwadi University in Rajkot, which was followed by six more EFx events in India, one in Mexico, and MakerHack, the first EFx in the United States, held right here in New York City at the NYU Tandon School of Engineering.

Another significant achievement this year, the launch of a major redesign of ASME.org, also reinforced the Society’s commitment to the future. The new website features a responsive design, allowing it to be better viewed on smartphones and other portable devices — a significant development that enables the Society to maintain contact with its student and early career member base.

Strategy remained key to ASME this year, with the Society maintaining its focus on its five strategic technologies — Robotics, Bioengineering, Clean Energy, Manufacturing, and Pressure Technology — by presenting industry-focused events including the Asset Integrity Management — Pipeline Integrity Management Under Geohazard Conditions industry forum in March and the Offshore Wind Summit in June, among other activities. ASME’s commitment to strategy was also reflected in the recent hiring of the Society’s first Chief Strategy Officer, Michael W. Johnson.

This was an exciting and eventful year for the ASME family, and we are optimistic that there are many more in our future. On behalf of the Board of Governors and ASME’s leadership teams, we would like to thank you for your passion, enthusiasm, and dedication in making this yet another thriving year for the Society. Your continued participation, commitment, and contributions to ASME enable us to continue as a strong and viable resource for the global engineering community both today and in the years and decades to come.

Said Jahanmir, Ph.D.
President

Thomas Costabile, P.E.
Executive Director/CEO

2018–2019 Letter from the President & Executive Director/CEO
FY 2019

BOARD OF GOVERNORS

FRONT ROW (LEFT TO RIGHT)
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Associate Director for Finance and Operations
Princeton University Art Museum
Princeton University

Charla K. Wise
ASME Immediate Past President (2017–2018)
Vice President Engineering
Lockheed Martin Aero (Retired)

Said Jahanmir, Ph.D.
ASME President (2018–2019)
Assistant Director for Federal Partnerships
Advanced Manufacturing National Program Office,
National Institute of Standards and Technology

Richard T. Laudenat, P.E.
ASME President Elect (2019–2020)
Plant Manager
GDF Suez, now ENGIE (Retired)

Thomas Costabile, P.E.
Executive Director/CEO
ASME

Mary Lynn Realff, Ph.D.
Associate Professor of Materials Science and Engineering
Georgia Institute of Technology

BACK ROW (LEFT TO RIGHT)
Michael F. Molnar, P.E
Founding Director
Office of Advanced Manufacturing
National Institute of Standards and Technology

Mahantesh Hiremath, Ph.D., P.E.
Distinguished Engineer
Space Systems Loral

Joe R. Fowler, Ph.D., P.E.
Former President and Co-Founder
Stress Engineering Services, Inc. (Retired)

Robert E. Grimes, P.E.
Program Manager
Baker Hughes

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Professor and Department Head of Mechanical and Nuclear Engineering
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Erler Engineering Ltd.

Kalan Guiley
Public Affairs & Outreach Sector

Samuel J. Korellis
Standards & Certification Sector

Richard C. Marboe
Technical Events & Content Sector

Callie L. Tourigny
Student & Early Career Development Sector

SOCIETY OFFICERS

SENIOR VICE PRESIDENTS
Kalan Guiley
Public Affairs & Outreach Sector

Samuel J. Korellis
Standards & Certification Sector

Richard C. Marboe
Technical Events & Content Sector

Callie L. Tourigny
Student & Early Career Development Sector

SOCIETY OFFICERS

Thomas Costabile
Executive Director/CEO

Bryan A. Erler
Secretary and Treasurer

John Delli Venneri
Assistant Secretary/General Counsel

William Garofalo
Chief Financial Officer
The ASME Foundation is committed to inspiring and supporting current and future generations of engineers with programs designed to help them to achieve and succeed in creating lasting social impact.

Today more than ever, the world needs new ways to make our lives safer, healthier, and more sustainable. It will be engineers who bring these world-changing innovations to life. Through its comprehensive arc of programs, the ASME Foundation is dedicated to igniting a passion for engineering among the best and the brightest young minds and supporting them from early inspiration and learning to career engagement and transformational innovations.
“Maybe I can be an engineer,” said Ayaan, an eighth grader at Cavallaro Middle School in Brooklyn, NY, after completing ASME’s signature K-12 STEM education program. Ayaan is one of nearly 300,000 INSPIRE participants in all 50 states to glimpse the infinite possibilities of an engineering career.

“Schools prepare kids to take a test, but a lot of times schools don’t really prepare kids to get into the field,” says Raymond Tran, the STEM/Math Talent teacher at Cavallaro Middle School in Brooklyn, NY. “This program actually gives them that experience.”

ASME offers INSPIRE free of charge to public schools, and many that utilize it are designated as Title 1, with at least 40 percent of the student body coming from low-income households. The online and in-class program uses videos, animations, and gaming scenarios to build students’ knowledge of engineering and core STEM concepts. Modules focus on ASME core technologies, including additive manufacturing, bioengineering, and cross-cutting technologies such as big data, artificial intelligence, and design engineering.

“Students at this age often lack the knowledge of engineering and STEM-related careers along with the confidence to see themselves in these roles,” says Lesa Levi, a guidance counselor at Missouri’s Platte City Middle School. “ASME INSPIRE starts a conversation on the possible. All students, regardless of family income, can aspire to a career in the STEM path.”

The DHL for moon deliveries? At ASME Engineering Festivals, or E-Fests, it’s a serious question. E-Fests are outreach events where college-age students participate in challenging competitions, skill-building workshops, and networking opportunities with professional engineers and mentors (like the industry executive whose company is building the lunar delivery service). Students engage in a jam-packed, three-day interdisciplinary engineering experience where teams compete in categories like Human Powered Vehicles, Robotics, 3D Printing, and even Oral Presentation skills.

Said one participant, “The competitions enhance our skills and push us to put our knowledge to maximum utility. It is a great platform to meet new people with different mindsets. It’s a room full of broad and bold ideas. It was an amazing experience to make new friends and build on teamwork.”

Throughout 2018–2019, more than 5,000 students have participated in an E-Fest, or one of the locally produced, 24-hour EFx versions of the program. ASME currently runs four E-Fests annually, two in the U.S., one in India, and one in South America.

In the accompanying photo, a student team celebrates its victory in the Human-Powered Vehicle Endurance Race at the recent E-Fest in India. The picture says it all: E-Fests are emotional, exhilarating experiences for the students who participate. E-Fests encourage teamwork and engender learning on many levels, and the experience inspires young people to pursue engineering careers.
For the past year, Laurel Kuxhaus, Ph.D., served as an ASME Federal Fellow in the congressional office of Representative Dan Lipinski, where she helped advance policy and legislation spanning a wide variety of science and technology topics. Among the important legislative and policy initiatives she worked on were those involving artificial intelligence, bioengineering and medical devices, and manufacturing entrepreneurship. When the STEM Opportunities Act came up for markup in the Science, Space and Technology (SST) Committee, she recommended a small word change that would extend the bill to cover not only students but all trainees, opening opportunities for postdoctoral researchers. The amendments were unanimously adopted. Said Kuxhaus, “While this is a small thing, it is one of the things I’m most proud of this year.”

In addition to advising on legislation and policy, Laurel participated in the congressional appropriations process. One such appropriation request would fund a National Academies report on revitalizing the university-government-industry partnership.

“It is gratifying to know that, as engineers, we can serve the greater good through carefully crafted policy.”

FEDERAL FELLOWS

“ASME Federal Fellows provide an engineering perspective on matters that will profoundly impact our country. It is gratifying to know that, as engineers, we can serve the greater good through carefully crafted policy,” Kuxhaus says.

Kuxhaus is an Associate Professor of Mechanical & Aeronautical Engineering at Clarkson University. She is currently serving as the program director of Biomechanics & Mechanobiology within the Division of Civil, Mechanical and Manufacturing Innovation at the National Science Foundation.
ISHOW ISHOW

ISHOW is the global hardware innovation competition for aspiring social entrepreneurs. Whether it’s a biogas milk chiller that lets dairy farmers without reliable access to electricity keep their product cool until they get it to the marketplace, or a solar-powered coffee roaster, or a ventilator that rural health clinics can purchase for under $20, ISHOW inventors are changing the world, one invention at a time.

Take QuickSee. For millions of people in developing countries, finding a qualified optometrist is a challenge. As a result, too many people in rural and underserved communities miss opportunities for education, work, and to improve their quality of life due to poor, uncorrected eyesight. QuickSee® solves this global development challenge by providing affordable eyeglass prescriptions in just ten seconds. A fast look through the QuickSee device produces an accurate eyeglass prescription—a service that for too many was simply out of reach. Before QuickSee, accurate vision exams were available only from highly trained professionals using costly and nonportable technology. QuickSee puts reliable, affordable vision correction literally in the palm of one’s hand. “We designed it so that anyone anywhere can get an accurate prescription in ten seconds,” said Shivang Dave, Ph.D., CEO of PlenOptika, the company that makes QuickSee, winner of the 2017 ASME ISHOW.

The Society launched its new website on June 28. The new ASME.org was designed for easier navigation and usability while allowing both seasoned and new users to easily find the content they need. This cleaner, friendlier representation of ASME was built using a responsive design, which enables better viewing and functionality on devices of all sizes—from mobile to tablet to desktop.

The website represents the full breadth of the organization’s offerings, in an easier to use structure. Users can now view an array of content options in one main menu that is clearly labeled by products and categories, including Codes & Standards, Certification & Accreditation, Learning & Development, Publications & Submissions, Conferences & Events, Topics & Resources, and more.

The site also features an all-new search experience. Visitors to the site can perform a general global search from the Search box in the upper left corner of the site—on any page. Or they can search within a category or a product type, using “Find a …” to browse, filter, or target in on specific content.

The new design also provides a faster, simplified, and more intuitive shopping experience, making it easier to find a product, add it to the shopping cart, and checkout in a few simple steps. Product pages are streamlined and users can refine their selections by date range, edition, format, topic, language, or other specific features of a product, where applicable.

Continued updates and enhancements to ASME.org will make the user experience more enjoyable than ever.

THANK YOU!

Through their support of the ASME Foundation, donors are helping build a better future for all of us. Heartfelt thanks to all who contribute their time, financial resources, and in-kind support. Together, we are empowering the innovative problem-solvers of tomorrow.
FY 2019

YEAR IN REVIEW

EFFECT

ASME’s newest program for engineering students, ASME EFx, was launched on August 31, 2018 at Marwadi University in Rajkot, India drawing nearly 600 registrants. The one-day ASME EFx events have been conceived as smaller-scale versions of the ASME E-Fests and can be easily presented by local colleges and universities across the globe. The events can provide students with a feel for the larger ASME EFx experience, without the cost associated with traveling and attending one of the regular festivals.

ISHOW

Social entrepreneurs presented hardware-led inventions that are intended to benefit society at the ASME Innovation Showcase (ISHOW) in Washington, D.C. Three of the finalists – the developers of products addressing problems with drinking water safety, the incubation of chicken eggs, and fish farming in underserved communities – were named the regional grand prize winners of the event. Amy King and Nick Alger of Team Kuku Labs receive an ASME ISHOW 3D-printed trophy from Kathleen Ludib, executive director of the ASME Foundation Right.

CAPITOL HILL BRIEFING

On December 12, 2018, ASME sponsored a briefing on Capitol Hill to highlight “Robotics in the Manufacturing Environment,” which convened a panel of leading experts in the field of robotics to discuss their thoughts and insights on opportunities and challenges facing the future of manufacturing robotics. At the briefing ASME Executive Director/CEO Tom Costabile emphasized the importance of embracing technological advancements in manufacturing robotics while remaining mindful of its effect on the American workforce.

ROE LECTURE

Gwynne Shotwell, president and chief operating officer at the space transportation company SpaceX, was the recipient of the 2018 ASME Ralph Coats Roe Medal. She was recognized for outstanding leadership and innovation for space commercialization, for technical contributions to the design of reusable rockets, and for the promotion of STEM education. Shotwell delivered the Roe Lecture on February 28, 2019 at Northwestern University. The award recognizes outstanding contributions toward a better public understanding and appreciation of the engineer’s worth to contemporary society.

GLDC

Leaders from ASME sections, divisions, technical chapters, and research committees gathered in San Antonio, TX, March 1–3, 2019 to network with each other and staff members from ASME’s various business units at the 2019 Group Leadership Development Conference (GLDC). The event provided an opportunity for group leaders to learn how to make the most of their roles at ASME and gain a greater understanding of the Society’s strategy. ASME President Said Jahanmir expressed his appreciation for ASME’s volunteers and their efforts to support the Society in addressing technology-related challenges.

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A Celebration of Engineering Achievement

ASME MEDAL
Thomas J.R. Hughes, Ph.D., Fellow

HONORARY MEMBERS
Portonovo Ayyaswamy, Ph.D., Fellow
Alan Needleman, Ph.D., Fellow
Robert M. Nerem, Ph.D., Fellow
Frank E. Talke, Ph.D., Fellow

ADAPTIVE STRUCTURES AND MATERIAL SYSTEMS AWARD
Diam Brei, Ph.D., Fellow

BERGLES-ROHSENOW YOUNG INVESTIGATOR AWARD IN HEAT TRANSFER
Asegun Henry, Ph.D., Member

PER BRUEL GOLD MEDAL
John J. Uicker, Ph.D., Fellow

EDWIN F. CHURCH MEDAL
Kendra V. Sharp, Ph.D., Member

DANIEL C. DRUCKER MEDAL
David M. Barnett, Ph.D.

WILLIAM T. ENNOR MANUFACTURING TECHNOLOGY AWARD
Scott Smith, Ph.D., Fellow

NANCY DELOYE FITZROY AND ROLAND V. FITZROY MEDAL
Ivar Glaever, Ph.D., Member

FLUIDS ENGINEERING AWARD
Upendra S. Rohatgi, Ph.D., Member

Y.C. FUNG EARLY CAREER AWARD
Srinath Guruswami, Ph.D., Member

HENRY LAURENCE GANNT MEDAL
Tod R. Allen, Member

KATE GLEASON AWARD
Asegun Henry, Ph.D., Member

KELVIN R. GREEN CODES AND STANDARDS MEDAL
Richard W. Barnes, Fellow

HEAT TRANSFER MEMORIAL AWARDS
Scott W. Smits, Ph.D., Fellow

NAPOLI DELOREY FITZROY AND ROLAND V. FITZROY MEDAL
Ivar Glaever, Ph.D., Member

MAYO D. HERSEY AWARD
Andreas A. Polycarpou, Ph.D., Fellow

PATRICK H. JIGGINS MEDAL
Julius Ballanco, Member

SOICHIRO HONDA MEDAL
Ashwani K. Gupta, Ph.D., Fellow

SIPU GUARD EARLY CAREER AWARD
Michael P. Brundage, Ph.D., Member

WALTER T. KITZ MEDAL
M. D. Marks, Ph.D., Fellow

ROBERT E. KOENKER MEDAL
R. T. S. Armitage, Ph.D., Fellow

WILFRED C. LAROCHELLE CONFORMITY ASSESSMENT MEDAL
Robert V. Welgoszinski, Fellow

GUSTUS L. LARSON MEMORIAL AWARD
Kripa K. Varanasi, Ph.D., Member

H. R. LISSNER MEDAL
Louis J. Sadowsky, Ph.D., Fellow

MACHINE DESIGN AWARD
John J. Uicker, Ph.D., Fellow

CHARLES T. MAIN STUDENT LEADERSHIP AWARDS (GOLD)
Brandon Graham, Member

CHARLES T. MAIN STUDENT LEADERSHIP AWARDS (SILVER)
Joseph Pechstein, Member

MCDONALD MENTORING AWARD
Robert M. Wagner, Ph.D., Fellow

M. EUGENE MERCHANT MANUFACTURING MEDAL OF ASME/SME
Kamalraj Rajurkar, Ph.D., Fellow

VAN C. MOW MEDAL
Jeffrey W. Holmes, Ph.D., Fellow

NADAI MEDAL
George M. Pharr, Ph.D., Member

BEN C. SPARKS MEDAL
David R. Wallace, Ph.D.

R. C. SPARKS MEDAL
David R. Wallace, Ph.D.

S. N. S. SPARKS MEDAL
David R. Wallace, Ph.D.

T. C. SPARKS MEDAL
David R. Wallace, Ph.D.

SPARKS MEDAL
David R. Wallace, Ph.D.

S. N. S. SPARKS MEDAL
David R. Wallace, Ph.D.

T. C. SPARKS MEDAL
David R. Wallace, Ph.D.

I. M. SPARKS MEDAL
David R. Wallace, Ph.D.

ROBERT HENRY TIMOSHENKO LECTURE MEDAL
Guruswami Ravichandran, Ph.D., Fellow

TIMOSHENKO MEDAL
Ares J. Resales, Ph.D., Fellow

YERAM S. TOULOUKIAN AWARDS
Alfred Leipertz, Dr.-Ing., Dr.Sci.

J. I. A. SIEPMANN AWARD
 отношение к статье или параметр неизвестен.
### CONSOLIDATED STATEMENTS OF FINANCIAL POSITION

#### Years ended June 30, 2019 and 2018

<table>
<thead>
<tr>
<th>Assets</th>
<th>General</th>
<th>Designated and restricted</th>
<th>Consoligating adjustments</th>
<th>2019 Total</th>
<th>2018 Total</th>
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</thead>
<tbody>
<tr>
<td>Cash and cash equivalents</td>
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<td>4,006,622</td>
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<td>5,862,295</td>
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<td>Accounts receivable, less allowance</td>
<td>23,882,903</td>
<td>772,351</td>
<td>(10,332,226)</td>
<td>14,323,028</td>
<td>15,856,239</td>
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<td>Inventories</td>
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<td>612,815</td>
<td>656,976</td>
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<td>Prepaid expenses, deferred charges,</td>
<td>2,935,286</td>
<td>50,182</td>
<td></td>
<td>2,985,468</td>
<td>3,105,710</td>
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<tr>
<td>and deposits</td>
<td>94,950,840</td>
<td>24,257,298</td>
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<td>118,448,138</td>
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</tr>
<tr>
<td>Property, furniture, equipment, and</td>
<td>22,223,924</td>
<td>2,084</td>
<td></td>
<td>22,226,008</td>
<td>19,540,458</td>
</tr>
<tr>
<td>leasehold improvements, net</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total assets</strong></td>
<td>$145,701,441</td>
<td>29,088,537</td>
<td>(10,332,226)</td>
<td>164,457,752</td>
<td>180,301,159</td>
</tr>
</tbody>
</table>

#### Liabilities and Net Assets

<table>
<thead>
<tr>
<th>Liabilities</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounts payable and accrued expenses</td>
<td>$13,281,037</td>
<td>10,079,190</td>
<td>(10,232,226)</td>
<td>13,128,001</td>
<td>10,408,184</td>
</tr>
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<td>Due to The ASME Foundation, Inc.</td>
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<td></td>
<td></td>
<td>442,504</td>
<td>63,364</td>
</tr>
<tr>
<td>Accrued employee benefits</td>
<td>11,626,989</td>
<td></td>
<td></td>
<td>11,626,989</td>
<td>17,415,567</td>
</tr>
<tr>
<td>Deferred publications revenue</td>
<td>114,840</td>
<td></td>
<td></td>
<td>114,840</td>
<td>11,332,346</td>
</tr>
<tr>
<td>Deferred dues revenue</td>
<td>2,499,015</td>
<td></td>
<td></td>
<td>2,499,015</td>
<td>2,339,030</td>
</tr>
<tr>
<td>Accreditation and other deferred</td>
<td>22,901,678</td>
<td>37,769</td>
<td></td>
<td>22,939,447</td>
<td>19,821,179</td>
</tr>
<tr>
<td>revenue</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deferred rent</td>
<td>9,610,019</td>
<td></td>
<td></td>
<td>9,610,019</td>
<td>10,539,157</td>
</tr>
<tr>
<td><strong>Total liabilities</strong></td>
<td>$60,476,082</td>
<td>10,16,059</td>
<td>(10,232,226)</td>
<td>60,360,815</td>
<td>71,918,827</td>
</tr>
</tbody>
</table>

| Commitments                            |                             |                             |                           |                  |                  |
|                                        |                             |                             |                           |                  |                  |
| Net assets:                            |                             |                             |                           |                  |                  |
| Without donor restrictions             | 85,225,359                  | 18,522,137                  | (100,000)                 | 103,647,496      | 107,883,545      |
| With donor restrictions                |                             | 449,441                     |                           | 449,441          | 498,787          |
| **Total net assets**                   | 85,225,359                  | 18,571,578                  | (100,000)                 | 104,096,937      | 108,382,332      |

| Total liabilities and net assets       | $145,701,441                 | 29,088,537                  | (10,332,226)              | 164,457,752      | 180,301,159      |
### General

<table>
<thead>
<tr>
<th>Consolidated statements of activities</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Years ended June 30, 2019 and 2018</strong></td>
<td><strong>2019 TOTAL</strong></td>
<td><strong>2018 TOTAL</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Operating revenue:**

- **Membership dues, publications, accreditation, conference fees, and other revenue by sector/operating unit:**
  - Codes and standards: $41,851,878, 767,025, (699,133), 41,919,770, 41,723,181
  - Conformity assessment: 30,605,340, 3,681, —, 30,654,720, 30,747,891
  - Learning and development: 6,344,524, —, —, 6,344,524, 6,289,540
  - Programs: 988,092, 410,511, (463,883), 934,720, 824,690
  - Technical events and content: 10,571,363, 869,279, (29,469), 11,411,733, 11,112,748
  - Publications: 14,315,020, —, —, 14,315,020, 13,006,810
  - Constituent engagement: 13,135,707, —, —, 13,135,707, 13,066,645
  - Miscellaneous revenue: 164,124, 916,140, (916,140), 164,124, 158,720

**Operating expenses:**

- **Program services by sector/operating unit:**
  - Codes and standards: 16,275,202, 511,997, (699,133), 16,088,066, 17,566,927
  - Conformity assessment: 17,923,893, 60,059, —, 17,983,952, 18,115,255
  - Learning and development: 7,236,544, —, —, 7,236,544, 6,955,477
  - Programs: 6,029,643, 533,073, (463,883), 6,098,833, 6,312,689
  - Technical events and content: 15,050,092, 3,034,756, (29,469), 18,055,379, 15,876,417
  - Publications: 12,777,333, —, —, 12,777,333, 11,704,697
  - Technology advancement and business development and industry events: 3,081,092, —, —, 3,081,092, 3,045,819
  - Global public affairs: 6,081,953, 874,268, (916,140), 6,040,081, 4,377,004
  - Constituent engagement: 7,006,359, —, —, 7,006,359, 6,916,190

**Total operating expenses:** 121,325,947, 5,086,262, (2,108,625), 124,303,584, 119,352,869

**Deficit of operating revenue over expenses:** (3,704,899), (2,119,626), —, (5,824,525), (1,653,624)

**Nonoperating activities:**

- Investment returns, net: 4,774,729, 251,018, —, 4,023,717, 9,390,610
- Pension and post-retirement changes other than net periodic costs: (2,218,223), (2,218,223), (2,218,223), 2,596,937
- Other components of net periodic costs: (2,272,484), (2,272,484), (2,272,484), (762,426)

**Net assets at beginning of year:** 87,646,236, 20,836,096, (100,000), 108,382,332, 98,810,835

**Net assets at end of year:** $85,225,359, 18,797,578, (100,000), 104,096,937, 108,382,332

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