



ANNUAL

REPORT

FY2019



ASME INDIVIDUAL MEMBERS

100,000+



ASME STANDARDS

500+



ASME AROUND THE WORLD

140+

COUNTRIES

ASME ANNUAL REPORT FY2019

Table of Contents

ASME ANNUAL REPORT 1

ASME FOUNDATION 6

FINANCIALS 18



Our Mission

ASME's mission is to serve diverse global communities by advancing, disseminating, and applying engineering knowledge for improving the quality of life; and communicating the excitement of engineering.

Our Vision

ASME aims to be the essential resource for mechanical engineers and other technical professionals throughout the world for solutions that benefit humankind.

Our Values

In performing its mission, ASME adheres to these core values:

- Embrace integrity and ethical conduct
- Embrace diversity and respect the dignity and culture of all people
- Nurture and treasure the environment and our natural and man-made resources
- Facilitate the development, dissemination, and application of engineering knowledge
- Promote the benefits of continuing education and of engineering education
- Respect and document engineering history while continually embracing change
- Promote the technical and societal contribution of engineers

Our Credo

Setting the Standard...

- In Engineering Excellence
- In Knowledge, Community, and Advocacy
- For the benefit of humanity

*“Divide each
difficulty into as many
parts as is feasible
and necessary to
resolve it.”*

-Rene Descartes





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

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

FY 2019

BOARD OF GOVERNORS

FRONT ROW (LEFT TO RIGHT)

Karen J. Ohland

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

Stuart W. Cameron, CEng

Consultant
Doosan Power Systems

William J. Wepfer, Ph.D.

George W. Woodruff School of Mechanical
Engineering
Georgia Institute of Technology (Retired)

Karen A. Thole, Ph.D.

Professor and Department Head of
Mechanical and Nuclear Engineering
The Pennsylvania State University

Bryan A. Erler, P.E.

President
Erler Engineering Ltd.



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



ASME FOUNDATION

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.

EDUCATION THAT INSPIRES

ASME INSPIRE

“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.”



“It’s a room full of broad and bold ideas. An amazing experience.”

ASME E-Fests™

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 E-Fx 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.

CAREERS

THAT

MATTER

A circular portrait of Laurel Kuxhaus, a woman with brown hair, wearing a dark blue long-sleeved shirt, smiling with her arms crossed. The portrait is set against a background of a bright, out-of-focus outdoor scene with greenery and a building.

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

FEDERAL FELLOWS

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.

“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.

IDEAS THAT INNOVATE

“Anyone, anywhere can get an accurate prescription for eyeglasses in ten seconds.”

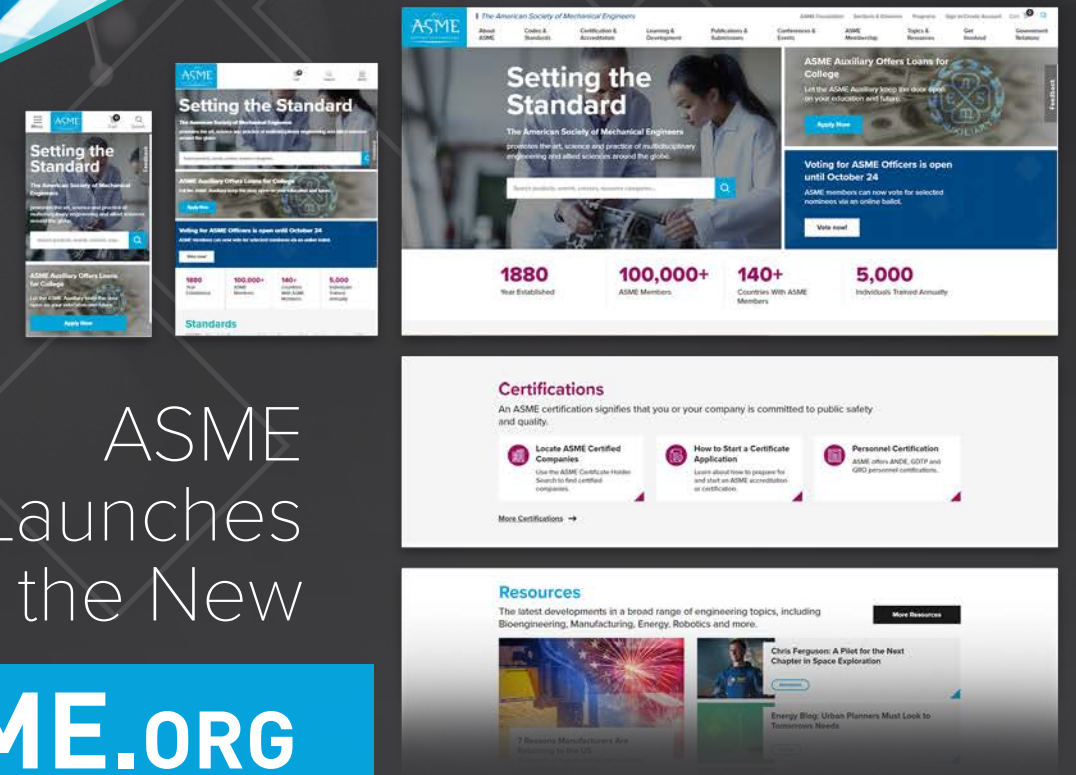
ASME ISHOW

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.

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.



ASME.ORG

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.

EFx

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 E-Fests experience, without the cost associated with traveling to and attending one of the regular festivals.



ECLIPSE

Ten early career members of ASME were selected to participate as the 2019–2020 class of the Society's Early Career Leadership Intern Program to Serve Engineering (ECLIPSE) program, in which young members of ASME learn how the Society works at the leadership level by serving with an ASME unit such as the Board of Governors, the Volunteer Orientation and Leadership Training (VOLT) Academy, or one of the ASME Sectors.

E-FEST

ASME's inaugural Engineering Festival (E-Fest) South America, was held July 27–29, 2018 in Rio de Janeiro, Brazil, and drew more than 500 participants from across South American and Mexico. The three-day event included a variety of student competitions and activities, including the ASME Human Powered Vehicle Challenge and the Old Guard Oral Presentation, an internship fair, and a student leadership training session. ASME E-Fest continues to ignite innovation and the celebration of engineering among students.

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 Azpiroz of Team Kukua Labs receive an ASME ISHOW 3D-printed trophy from Kathleen Lobb, executive director of the ASME Foundation (right).



HACKATHON AT NYU

Students from several colleges in the New York City area participated in a 24-hour hackathon hosted at the MakerSpace student design shop at New York University Tandon School of Engineering in Brooklyn, NY. The spirited event, "ASME EFx NYU: MakerHack," was the first EFx event to be held in the United States. Launched last year, EFx events are smaller-scale versions of the ASME Engineering Festivals (E-Fests) that can be easily staged by local colleges and universities throughout the world. ASME Executive Director/CEO Tom Costabile (left) met with student participants during the event.

ASME V&V 40

On November 19, 2018, ASME issued its first standard in the area of medical manufacturing. The new ASME V&V 40 standard assesses the credibility of computational modeling through verification and validation with application to medical devices, including endovascular and orthopedic devices, heart valves, and stents. V&V 40 builds on the foundation of other widely adopted ASME standards for computational (predictive) modeling techniques and performance simulation that have helped to streamline the development of new technologies for advanced manufacturing.



WORLD STANDARDS DAY

ASME joined fellow standards development organizations at the U.S. Celebration of World Standards Day on October 18, 2018 — an annual event intended to raise awareness of the importance of global standardization to the world's economy — during the American National Standards Institute's World Standards Week meeting in Washington, DC. ASME was a gold sponsor of World Standards Week, which was held October 15–19. World Standards Day recognizes the work of the thousands of professionals across the globe who develop voluntary standards, including more than 5,900 ASME Standards & Certification volunteers.

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 share 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.



"APOLLO AT 50" CELEBRATION

In June, ASME and the Cradle of Aviation Museum in Garden City, NY, kicked off a two-month-long celebration commemorating the 50th anniversary of human's first journey to the moon. The event celebrated the landing of Apollo 11 on July 20, 1969, when astronauts Neil Armstrong and Buzz Aldrin became the first to set foot on the moon's surface. Attending the "Apollo at 50" event were astronauts Walt Cunningham of Apollo 7, Rusty Schweickart of Apollo 9, Fred Haise from the Apollo 13 mission, Charlie Duke of Apollo 16, and Harrison "Jack" Schmitt of Apollo 17 along with other VIPs from the Apollo program. ASME and Northrop Grumman were sponsors of the celebration.

IMECE® KEYNOTE

Frank DeMauro, vice president and general manager of the Advanced Programs Division of the Space Systems Group at Northrop Grumman Innovation Systems (formerly Northrop ATK), presented the 2018 IMECE keynote address in Pittsburgh. DeMauro discussed the topic of "Longer Lifespan: The Value of Satellite Servicing and In Space Robotics," and the different methods for in-orbit life extension and in-orbit spacecraft assembly now in development at Northrop Grumman. He also spoke about the status of the company's robotic and non-robotic capabilities as well as Northrop Grumman's future plans for commercial servicing vehicles.



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.



ASME LANDMARK

A collection of devices and machines used at Cornell University between 1885 and 1903 was designated as an ASME Mechanical Engineering Heritage Collection at a ceremony held on May 3, 2019 in Ithaca, NY. The collection of laboratory equipment and devices, developed by ASME's first president Robert Henry Thurston (1880–1882), includes important testing instruments such as the autographic torsion testing machine. The artifacts exemplify Thurston's vision of the central role of the engineering lab in the training of mechanical engineers – providing students with instruction that was both scientific and practical.



NEW ASME PRESIDENT

Richard T. Laudenat, P.E., was introduced as the 138th president of the Society during ceremonies conducted at the President's Dinner held on June 4, 2019 in conjunction with the 2019 ASME Annual Meeting in Orlando, FL. Laudenat emphasized the importance of ASME's mission-based programs to ensure a thriving future for both ASME and the engineering profession. He has spent his professional career in the field of energy generation and was responsible for developing new business opportunities within the commercial nuclear power sector.



GLDC

Leaders from ASME sections, divisions, technical chapters, and research committees gathered in San Antonio, TX, March 1–3, 2019 to meet 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.

2018

HONORS

& AWARDS



The ASME Honors and Awards program, funded through the ASME Foundation by individual awards and endowment funds, pays tribute to engineering achievement and contributions to the profession. Thomas J.R. Hughes (left) was selected to receive the ASME Medal, the Society's highest award. ASME President Said Jahanmir presented the award Dr. Hughes at the 2018 Honors Assembly, which was held in November at the ASME International Mechanical Engineering Congress and Exposition in Pittsburgh, PA.

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

Diann Brei, Ph.D., Fellow

BERGLES-ROHSENOW YOUNG INVESTIGATOR AWARD IN HEAT TRANSFER

Asegun Henry, Ph.D., Member

PER BRUEL GOLD MEDAL FOR NOISE CONTROL AND ACOUSTICS

Sean F. Wu, 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 Giaever, Ph.D., Member

FLUIDS ENGINEERING AWARD

Upendra S. Rohatgi, Ph.D., Member

Y.C. FUNG EARLY CAREER AWARD

Spencer P. Lake, Ph.D., Member

HENRY LAURENCE GANTT MEDAL

Todd R. Allen, Member

KATE GLEASON AWARD

Awatef A. Hamed, Ph.D., Fellow

MELVIN R. GREEN CODES AND STANDARDS MEDAL

Richard W. Barnes, Fellow

HEAT TRANSFER MEMORIAL AWARDS (SCIENCE)

Li Shi, Ph.D., Fellow

(ART)

M. Pinar Mengüç, Ph.D., Fellow

(GENERAL)

Timothy S. Fisher, Ph.D., Fellow

MAYO D. HERSEY AWARD

Andreas A. Polycarpou, Ph.D., Fellow

PATRICK J. HIGGINS MEDAL

Julius Ballanco, Member

SOICHIRO HONDA MEDAL

Ashwani K. Gupta, Ph.D., Fellow

INTERNAL COMBUSTION ENGINE AWARD

Dennis L. Siebers, Ph.D., Fellow

WARNER T. KOITER MEDAL

M. Taher A. Saif, Ph.D., Fellow

ROBERT E. KOSKI MEDAL

Luca G. Zarotti, Ph.D.

FRANK KREITH ENERGY AWARD

William M. Worek, Ph.D., Fellow

BERNARD F. LANGER NUCLEAR CODES AND STANDARDS AWARD

Ralph S. Hill III, Fellow

WILFRED C. LAROCHELLE CONFORMITY ASSESSMENT AWARD

Robert V. Wielgoszinski, Fellow

GUSTUS L. LARSON MEMORIAL AWARD

Kripa K. Varanasi, Ph.D., Member

H.R. LISSNER MEDAL

Louis J. Soslowsky, Ph.D., Fellow

MACHINE DESIGN AWARD

John J. Uicker, Ph.D., Fellow

CHARLES T. MAIN STUDENT LEADERSHIP AWARDS (GOLD)

Brandon Graham, Member

(SILVER)

Joseph Pechstein, Member

MCDONALD MENTORING AWARD

Robert M. Wagner, Ph.D., Fellow

M. EUGENE MERCHANT MANUFACTURING MEDAL OF ASME/SME

Kamlakar Rajurkar, Ph.D., Fellow

VAN C. MOW MEDAL

Jeffrey W. Holmes, Ph.D., Fellow

NADAI MEDAL

George M. Pharr, Ph.D., Member

SIA NEMAT-NASSER EARLY CAREER AWARD

Tak-Sing Wong, Ph.D., Member

Yihui Zhang, Ph.D., Member

ROBERT M. NEREM EDUCATION AND MENTORSHIP MEDAL

Roger D. Kamm, Ph.D., Fellow

OLD GUARD EARLY CAREER AWARD

Michael P. Brundage, Ph.D., Member

RUFUS OLDENBURGER MEDAL

Roberto Horowitz, Ph.D., Fellow

PERFORMANCE TEST CODES MEDAL

Michael P. McHale, Member

PI TAU SIGMA GOLD MEDAL

Nenad Miljkovic, Ph.D., Member

JAMES HARRY POTTER GOLD MEDAL

Raj M. Manglik, Ph.D., Fellow

DIXY LEE RAY AWARD

C. Andrew Miller, Ph.D., Member

CHARLES RUSS RICHARDS MEMORIAL AWARD

Kon-Well Wang, Ph.D., Fellow

RALPH COATS ROE MEDAL

Gwynne Shotwell

SAFETY CODES AND STANDARDS MEDAL

James E. Richardson, Member

R. TOM SAWYER AWARD

Aspi R. Wadia, Ph.D., Fellow

MILTON C. SHAW MANUFACTURING RESEARCH MEDAL

Ming C. Leu, Ph.D., Fellow

BEN C. SPARKS MEDAL

David R. Wallace, Ph.D.

RUTH AND JOEL SPIRA OUTSTANDING DESIGN EDUCATOR AWARD

Alexander H. Slocum, Ph.D., Fellow

SPIRIT OF ST. LOUIS MEDAL

Stephen P. Engelstad, Ph.D.

J. HALL TAYLOR MEDAL

Daniel T. Peters, Fellow

ROBERT HENRY THURSTON LECTURE AWARD

Guruswami Ravichandran, Ph.D., Fellow

TIMOSHENKO MEDAL

Ares J. Rosakis, Ph.D., Fellow

YERAM S. TOULOUKIAN AWARDS

Alfred Leipertz, Dr.-Ing., Dr.Sci.
J. Ilya Siepmann, Ph.D., Member

GEORGE WESTINGHOUSE GOLD MEDAL

Tim Lieuwen, Ph.D., Fellow

SAVIO L-Y. WOO TRANSLATIONAL BIOMECHANICS MEDAL

Kyriacos A. Athanasiou, Ph.D., Fellow

HENRY R. WORTHINGTON MEDAL

Jaikrishnan R. Kadambi, Ph.D., Fellow

S.Y. ZAMRIK PVP MEDAL

Mordechai Perl, D.Sc., Fellow

BLACKALL MACHINE TOOL & GAGE AWARD

Sripati Sah, Ph.D., Member
Numpon Mahayotsanun, Ph.D., Member
Michael Peshkin, Ph.D., Member
Jian Cao, Ph.D., Member
Robert X. Gao, Ph.D., Fellow

FREEMAN SCHOLAR AWARD

Ramesh K. Agarwal, Ph.D., Fellow

GAS TURBINE AWARD

Svilen S. Savov, Ph.D.
Nicholas R. Atkins, D.Phil.
Sumiu Uchida, Dr.Eng., Member

HENRY HESS EARLY CAREER PUBLICATION AWARD

Mary H. Foltz
Craig C. Kage
Casey P. Johnson, Ph.D.
Arin M. Ellingson, Ph.D., Member

EDWARD F. OBERT AWARD

Andrea Toffolo, Ph.D.
Andrea Lazzaretto, Ph.D., Fellow
Sergio Rech, Ph.D.

WORCESTER REED WARNER MEDAL

Martin Ostoja-Starzewski, Ph.D., Fellow

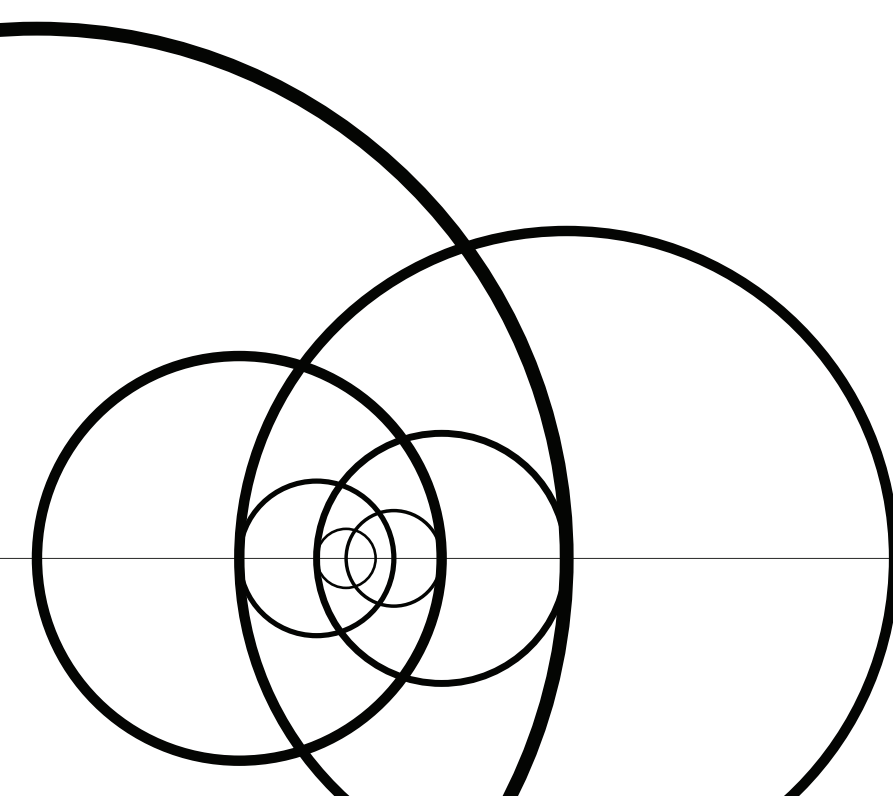
ARTHUR L. WILLISTON MEDAL

Noah M. Purdy, Member



**CONSOLIDATED
 FINANCIAL
 STATEMENTS**

	General	Designated and restricted	Consolidating adjustments	2019 Total	2018 Total
Assets					
Cash and cash equivalents	\$ 1,855,673	4,006,622	—	5,862,295	8,090,012
Accounts receivable, less allowance for doubtful accounts of \$298,000 and \$226,000 in 2019 and 2018, respectively	23,882,903	772,351	(10,332,226)	14,323,028	15,856,239
Inventories	612,815	—	—	612,815	656,976
Prepaid expenses, deferred charges, and deposits	2,935,286	50,182	—	2,985,468	3,109,710
Investments	94,190,840	24,257,298	—	118,448,138	133,047,764
Property, furniture, equipment, and leasehold improvements, net	22,223,924	2,084	—	22,226,008	19,540,458
Total assets	\$ 145,701,441	29,088,537	(10,332,226)	164,457,752	180,301,159
Liabilities and Net Assets					
Liabilities:					
Accounts payable and accrued expenses	\$ 13,281,037	10,079,190	(10,232,226)	13,128,001	10,408,184
Due to The ASME Foundation, Inc.	442,504	—	—	442,504	63,364
Accrued employee benefits	11,626,989	—	—	11,626,989	17,415,567
Deferred publications revenue	114,840	—	—	114,840	11,332,346
Deferred dues revenue	2,499,015	—	—	2,499,015	2,339,030
Accreditation and other deferred revenue	22,901,678	37,769	—	22,939,447	19,821,179
Deferred rent	9,610,019	—	—	9,610,019	10,539,157
Total liabilities	60,476,082	10,116,959	(10,232,226)	60,360,815	71,918,827
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	18,971,578	(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	Designated and restricted	Consolidating adjustments	2019 TOTAL	2018 TOTAL
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	30,650,340	3,681	—	30,654,021	30,747,891
Learning and development	6,344,524	—	—	6,344,524	6,289,540
Programs	588,092	410,511	(463,883)	534,720	824,690
Technical events and content	10,571,363	869,279	(29,469)	11,411,173	11,112,768
Publications	14,315,020	—	—	14,315,020	13,006,810
Constituent engagement	13,135,707	—	—	13,135,707	13,835,645
Miscellaneous revenue	164,124	916,140	(916,140)	164,124	158,720
Total operating revenue	117,621,048	2,966,636	(2,108,625)	118,479,059	117,699,245
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	3,081,099	—	—	3,081,099	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 program services	91,462,118	5,014,153	(2,108,625)	94,367,646	90,870,475
Supporting services:					
Board of governors and committees	1,259,248	72,109	—	1,331,357	1,330,180
Marketing	6,414,414	—	—	6,414,414	4,669,247
Sales and customer care	2,601,775	—	—	2,601,775	2,106,436
General administration	19,588,392	—	—	19,588,392	20,376,531
Total supporting services	29,863,829	72,109	—	29,935,938	28,482,394
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	255,108	—	5,029,837	9,390,610
Pension and post-retirement changes other than net periodic costs	(2,218,223)	—	—	(2,218,223)	2,596,937
Other components of net periodic costs	(1,272,484)	—	—	(1,272,484)	(762,426)
(Decrease) increase in net assets	(2,420,877)	(1,864,518)	—	(4,285,395)	9,571,497
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	18,971,578	(100,000)	104,096,937	108,382,332

ASME

OFFICES

ASME - MAIN OFFICE

Two Park Avenue
 6th Floor
 New York, NY 10016-5990 U.S.A.
 Main: 212-591-7000
 Fax: 212-591-7674
 E-mail: info@asme.org
 www.asme.org

ASME - NEW JERSEY OFFICE

150 Clove Road
 6th Floor
 Little Falls, NJ 07424-2139 U.S.A.
 Main: 973-244-2300
 Fax: 973-882-5155
 E-mail: info@asme.org

ASME - CUSTOMER CARE

1-800-843-2763 (U.S., Canada, and Mexico)
 +646-616-3100 (Global Direct)
 Main Fax: 973-882-5155
 Membership Fax: 973-882-1717
 E-mail: CustomerCare@asme.org

ASME - WASHINGTON DC OFFICE

1828 L Street, NW
 Suite 510
 Washington, DC 20036-5104 U.S.A.
 Main: 202-785-3756
 Fax: 202-429-9417
 E-mail: info-dc@asme.org

ASME - HOUSTON OFFICE

11757 Katy Freeway
 Suite 380
 Houston, TX 77079-1733 U.S.A.
 Main: 281-493-3491 or 1-866-276-3738
 Fax: 281-493-3493
 E-mail: info-houston@asme.org

ASME - CHINA OFFICE

ASME Asia Pacific, LLC
 EF02, East Tower
 Twin Towers
 No. B12, Jianguomenwai Avenue
 Chaoyang District
 Beijing 100022 China
 Main: +86-10-5109-6032; +86-10-5109-6049
 Fax: +86-10-5109-6039
 E-mail: info-china@asme.org

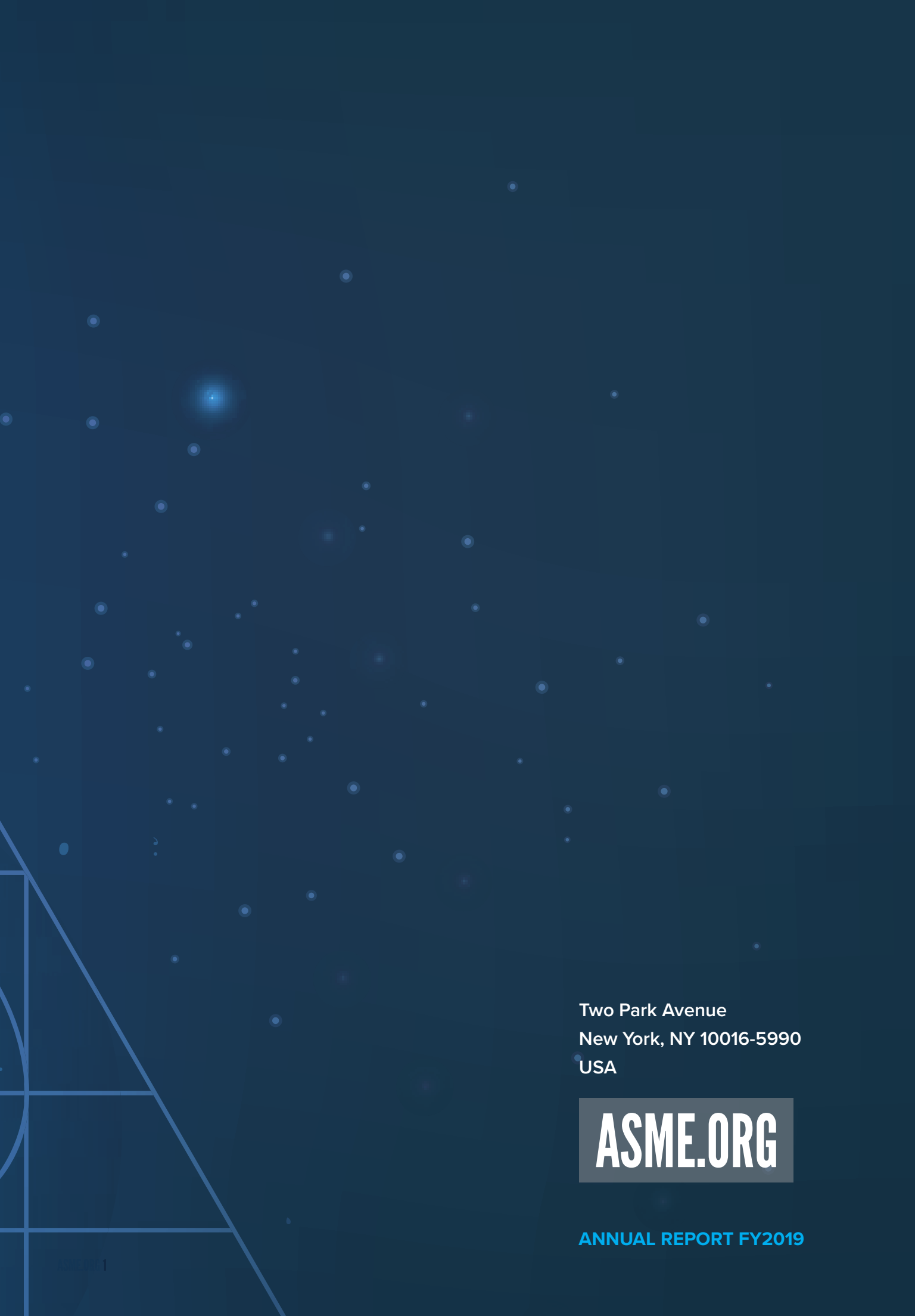
ASME - INDIA OFFICE

ASME India PVT LTD
 335, Udyog Vihar, Phase-IV
 Gurgaon-122 015 (Haryana)
 India
 Main: +91-124-430-8411
 Fax: +91-124-430-8207
 E-mail: info-india@asme.org

ASME - FOUNDATION

Two Park Avenue
 7th Floor
 New York, NY 10016-5990
 Phone: 212-591-8040
 Fax: 212-591-7674
 Email: info@asmefoundation.org
 www.asme.foundation.org





Two Park Avenue
New York, NY 10016-5990
USA

ASME.ORG

ANNUAL REPORT FY2019