



ANNUAL REPORT FY2022



1880
Year ASME was Established

85,000+
ASME Members,
including Students and
Early Career Engineers

23,000+
ASME Student Members

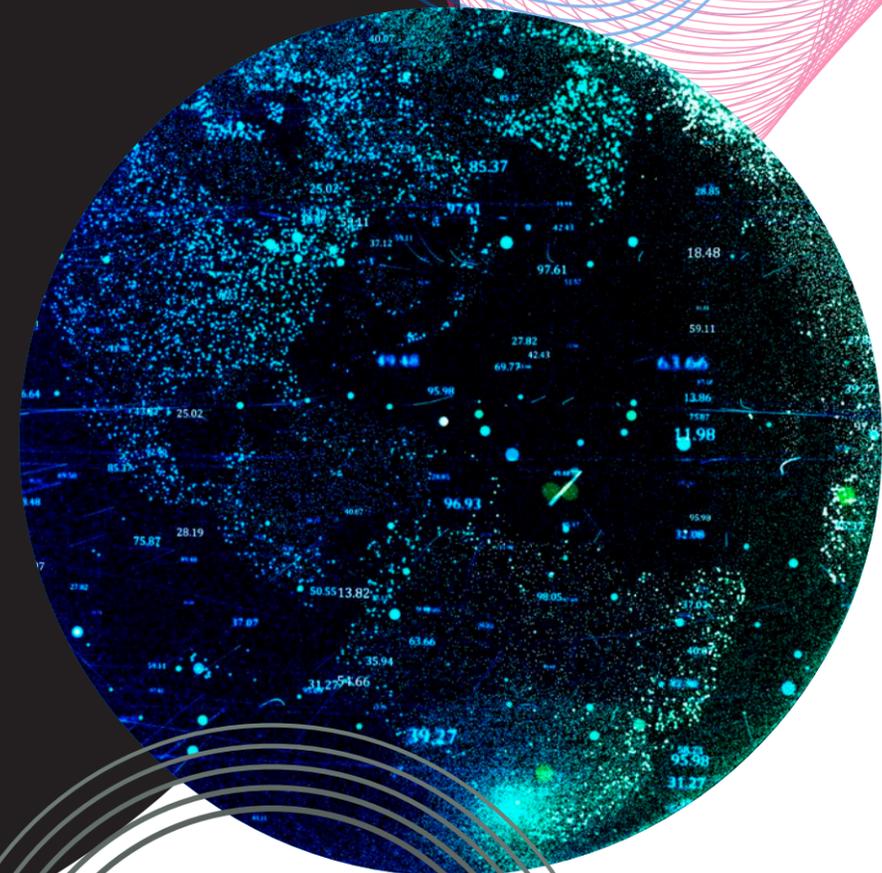
15,000+
ASME Early Career Engineer Members,
including Graduate Students

135+
Countries with ASME Members

3,700+
Active Volunteer Leaders

560+
ASME Standards

100+
Countries using the
ASME Boiler & Pressure
Vessel Code



ASME Mission

To advance engineering for the benefit of humanity

ASME Vision

To be the premier resource for the engineering community globally

ASME 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

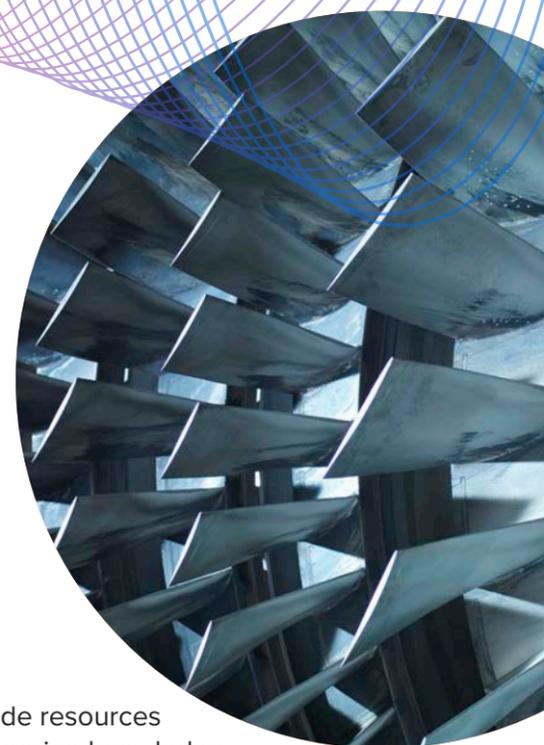


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THOMAS COSTABILE, P.E.
EXECUTIVE DIRECTOR AND CEO



MAHANTESH HIREMATH, PH.D., P.E.
PRESIDENT (2021-2022)



LETTER FROM THE President and Executive Director/CEO

Reflecting on FY22, we are extremely proud of the Society's overall performance having successfully navigated through the past two years of COVID while keeping focused on our mission to advance engineering for the benefit of humanity. The leadership provided by the Board of Governors and the ASME Executive Team has put ASME on a trajectory of growth and stability for years to come.

During the past year, our 2022 financial performance rose to the occasion as ASME generated \$195 million in revenue and more than \$10 million of operating cash flow. We are pleased to report that our business interests surpassed the prior year's revenue mark, growing 31 percent from the previous year while having been able to leverage our investment portfolio to outperform industry benchmarks.

Last November, we announced that the International Society of Interdisciplinary Engineers (ISIE), a new for-profit subsidiary of ASME, had acquired Techstreet, which began a new era for ASME by diversifying and strengthening our revenue stream and creating unique value for the global standards community.

In May 2022, ASME proudly announced the launch of our newest venture, Twinify Technologies LLC. In partnership with Black & Veatch, Twinify will help clients in asset intensive industries to build, deploy, and manage real-time digital twins, and develop and deploy digital twin standards and guidelines that address critical design and operational business issues.

In support of our Mission, ASME reaffirmed its commitment to building a more diverse, equitable, and inclusive engineering community. As we pursue our ongoing DEI initiatives, ASME adheres to three guiding principles - We are a global, diverse, and inclusive society; we are a society that adheres to the highest ethical standards; and we are a society focused on the next generation.

Our DEI Toolkit and newly launched DEI Podcast on asme.org are creating opportunities to continue the conversations that supports ASME's effort to be a safe and inclusive space for all. In addition, we signed the United Nations Economic Commission for Europe (UNECE) Declaration for Gender Responsive Standards and Standards Development. ASME recognizes that standards are essential to improving the quality of life for everyone. As a standards development organization we are taking steps towards making the standards we develop and the development process gender responsive.

Education and career development remains high on the list of priorities at ASME, and we reaffirmed our sustained commitment to academia and early career engineers, reaching more than 122,000 students in K-12, and in our engineering colleges and universities with programs like ASME INSPIRE and our global E-Fests and EFX events. The ASME ISHOW continues to be a program that unlocks and showcases the vast resources of engineering talent to provide solutions that improve the human condition.

We launched a Community College and HBCU (Historically Black Colleges or Universities) Pilot Program. The Community College Engineering Pathways/HBCU Pilot Program addresses three critical ASME priorities: (1) fostering greater diversity, equity, and inclusion across the engineering community; (2) developing the future engineering and skilled technical workforce; and (3) sustaining and expanding ASME's membership base. The aim of the pilot program is to create an engagement model that can reach 80+ Community Colleges and 3,000+ Community College students, 35+ Minority-Serving Institutions, and reach 1,500+ MSI students within the next five years.

ASME will continue to explore new ways to expand our offerings of products and services so that we can continue our relevance to the engineering community for years to come.

We are grateful for the invaluable contributions of our dedicated members, volunteers, and staff. It is this passion that continues to make ASME the premier organization for engineers and technical professionals throughout the world.

A heartfelt "thank you" from both of us for your continued support and commitment, which make it possible for all of us to deliver on the promise of ASME's vitally important mission. Together, we have accomplished so much, and together, we embrace our future with a renewed determination to make our profession, and our Society, even more impactful and relevant than ever.

Thomas Costabile, P.E.
Executive Director and CEO

Mahantesh Hiremath, Ph.D., P.E.
President (2021-2022)



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Seated front row L to R

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ASME

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Associate Director for Finance and Operations
Princeton University Art Museum
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Vice President, Mechanical and Aerospace Engineering
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Bryan A. Erler, P.E.
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President of Erler Engineering Ltd.

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McCormick Stevenson Corporation

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Electric Power Research Institute, Inc.
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University of Washington Bothell

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Former Director of Systems
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ASME

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Chief Financial Officer
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ASME Secretary/Treasurer
Former Vice President and
Dean for Undergraduate Education
Penn State University (Retired)

John Delli Venneri
ASME Assistant Secretary
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FY2022 Senior Vice Presidents

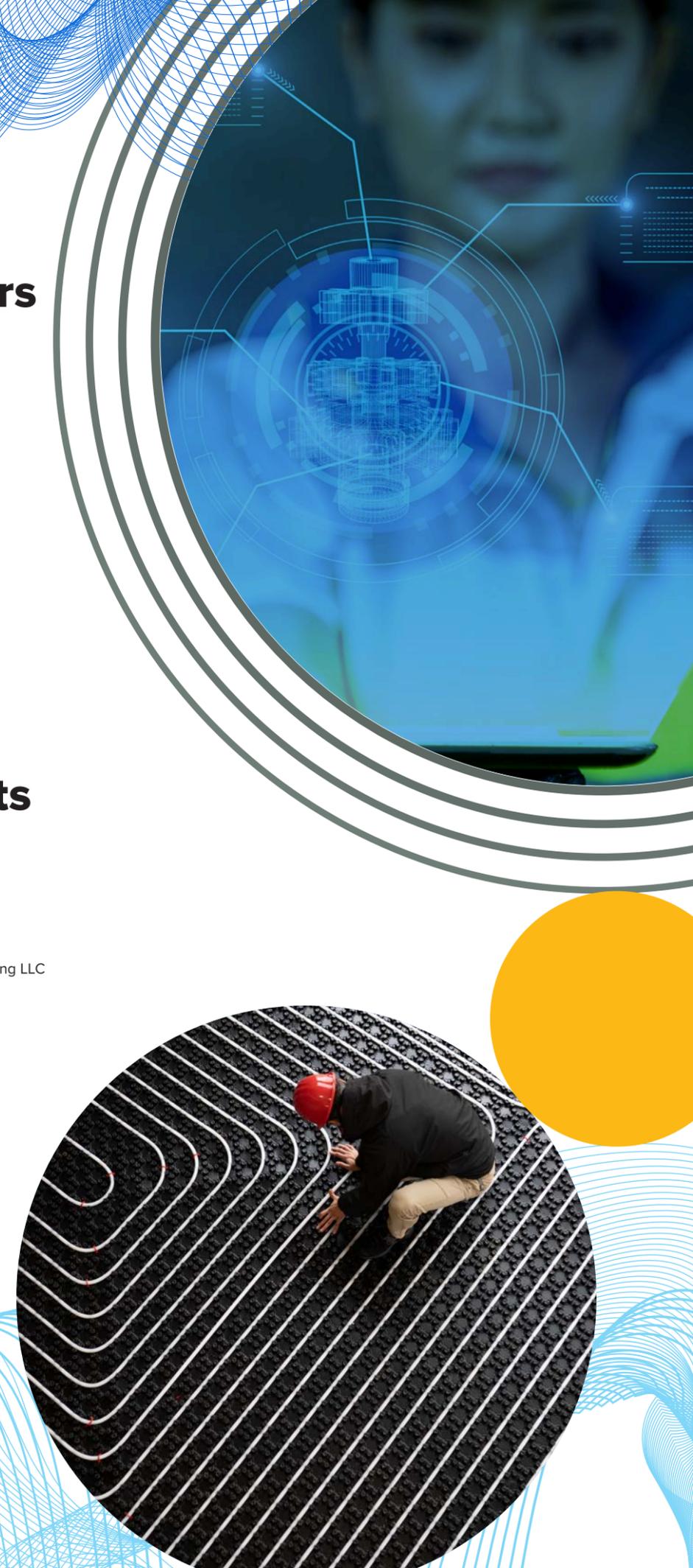
Lester Su, Ph.D.
Lecturer
Mechanical Engineering
Stanford University

George Papadopoulos, Ph.D.
ASME Technical & Engineering Communities
Principal/Director of Sensor Systems Innoveering LLC

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ASME Standards & Certification
Vice President
Hartford Steam Boiler

Michael S. Roy, P.E.
ASME Member Development & Engagement
Vice President
Engineering
Hartford Steam Boiler

Nicole Kaufman Dyess
ASME Student & Early Career Development
Principal
Nicole Kaufman Dyess LLC



Overview

The ASME Foundation garners support for an array of philanthropic initiatives with one overarching goal: empowering next generation engineers to build a more equitable and sustainable future.

To achieve this goal, the Foundation funds programs organized under three strategic pillars:

Education that Inspires, Careers that Matter, and Ideas that Innovate



These strategies are rooted in the Foundation's three core values:

- **The future depends on sustainability.**
- **Diversity drives innovation.**
- **Engineering should benefit every human being.**

This is the work of the ASME Foundation. What makes it possible is ASME's unrivaled engineering expertise, vast global network, powerful philanthropic programs... and YOU.

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Mechanical Engineering
Stanford University



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Member, ASME Philanthropy Committee

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Professor Emeritus of Mechanical Engineering
Santa Clara University
Member, ASME Philanthropy Committee

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Dean of the Schaefer School of Engineering
and Science
Stevens Institute of Technology

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Executive Director, ASME Foundation

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Director, Corporate and Foundation Relations

Keith Miles
Director, Major Gifts

Gretchen Crutchfield
Development Manager

Allysa Oliver
Corporate and Foundation Relations Specialist

Jarrett Reich
Communications Specialist

Christopher Beard
Donor Experience Specialist

Dorothy Keskitalo
Government Grant Specialist

Prathamesh Jadhav
Clerical Assistant



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Executive Director/CEO
ASME



Kathleen M. Lobb
Executive Director,
ASME Foundation
Managing Director,
Philanthropy



Anand Sethupathy
Managing Director,
ASME Strategy & Programs



Highlights

Education that Inspires

- In FY22, more than 300,000 K-12 students accessed digital content produced by ASME and Discovery Education, our implementation partner. In addition, more than 12,500 teachers utilized this content; 80% of students attend schools designated as Title I qualified; 46% are female; and 61% are members of groups that are underrepresented in STEM fields
- ASME member volunteers participated in over 90 DropMEIn! virtual classroom visits during the year, reaching more than 3,500 students
- More than 3,000 students from 48 countries participated in ASME E-Fest, held virtually for the third consecutive year. At the March 2022 E-Fest Digital, the Extended Reality Challenge (XRC) made its debut, with student teams designing vehicles with CAD software to navigate a virtual racecourse. Industry leaders that participated in E-Fest include Accenture, Altair, Boeing, GE Energy, Hewlett Packard, Johnson & Johnson, Mercer, Tata Consultancy Services, and others.

Careers that Matter

- Completed the Community College Engineering Pathways and HBCU Engineering Pathways pilot programs, validating ASME's workforce development strategy and providing valuable insights for rolling the programs out nationally in FY23.
- Engaged seven community colleges and three HBCUs in the pilot and won Board of Governors approval to expand the program in the 2023 academic year. Pilot Program participants included:

Community Colleges

- Dallas College – Dallas, Texas
- College of San Mateo – San Mateo, California
- Guilford Technical Community College, Jamestown, North Carolina
- New York City College of Technology – Brooklyn, New York
- Niagara County Community College – Sanborn, New York
- Red Rocks Community College – Lakewood, Colorado
- Valencia College – Orlando, Florida

HBCUs

- North Carolina A&T State University – Greensboro, North Carolina
- Tennessee State University – Nashville, Tennessee
- University of the District of Columbia – Washington, D.C.

- Continued development of ASME's FutureME career engagement center, on track to launch in FY2023. When fully operational, the FutureME platform will be a valuable resource to students and early-engineers, connecting them to training, employment opportunities, and each other.

Ideas that Innovate

- ASME's three ISHOWs in FY22 named 23 finalists whose innovations benefited nine countries and received \$100,000 in seed capital. With sustained philanthropic support from The Lemelson Foundation, since inception, 207 finalists have received over \$1.1 million in funding, benefitting people in 34 countries worldwide. Among this year's ISHOW winners are:
 - o **GenH** (Boston, Mass., U.S.) for its "Adaptive Hydro"™ solution, a modular hydropower system designed to electrify non-powered dams and canal heads without construction or investment in fixed infrastructure
 - o **LivingWaters Systems** (Hoboken, N.J., U.S.) for its portable, low-cost rainwater harvesting system to enable access to renewable, clean water
 - o **Wayru Perú** (Lima, Perú) for its portable shower that functions without any electrical or pipe connection



- The ISHOW IDEA Lab is a brand new initiative designed to help innovators go from the drawing board to a working prototype. An expansion of ISHOW's successful model, IDEA Lab is a hardware accelerator where ASME provides the structured support entrepreneurs need, including seed capital, technical expertise, and business guidance. Once launched, these products will address one or more of the United Nation's Sustainable Development Goals.

- In FY22, ASME's Engineering for Change initiative named its 200th E4C Fellow, bringing **the total number of E4C Fellows since inception to 202 representing 43 countries.** With generous support from the Autodesk Foundation, the E4C Fellowship program doubled in size during FY22.

Diversity, Equity, and Inclusion

- In February 2022, ASME held its second annual Increasing Women in Mechanical Engineering conference, where leaders from industry, government, and academia explored strategies for increasing participation by women in the mechanical engineering profession. Sonya Smith, Ph.D., professor of mechanical engineering at Howard University, delivered the keynote address. More than 800 attendees participated in the two iWME conferences.
- The ASME Foundation and the ASME Auxiliary **awarded 187 scholarships totaling more than \$586,000**, lowering the financial barriers to an engineering education; more than half of all scholarships were awarded to women and others from groups that are underrepresented in the engineering profession, including women and students of color. Funds were awarded to students enrolled in graduate, four-year, and two-year mechanical engineering and related degree programs.

- **Nearly half of all E4C Fellowships since its inception have been awarded to women**, well in excess of women's overall representation in the engineering profession and other STEM fields, including architecture, computer science, and data science.



Alba L. Colón-Rodríguez,



Dr. Aprille Ericsson,

Other ASME Philanthropy and Foundation Highlights

- In November 2021, the ASME Foundation hosted its third annual Philanthropic Impact Event, celebrating the progress ASME's philanthropic programs are making toward the goal of empowering a more diverse and inclusive next generation of engineers who will build a more sustainable future for us all.

- Two outstanding women engineers were honored with prestigious Society-level awards by ASME and the Foundation. Dr. Aprille Ericsson, an engineer at NASA's Goddard Space Flight Center, received the Ralph Coats Roe Medal, and Alba L. Colón-Rodríguez, director of competition systems at Hendrick Motorsports, received the Kate Gleason Award.

- The Philanthropy Department added its first government grants specialist to the fundraising team.

IMPACT STORY: ISHOW Winner - Caminos De Agua

Clean water is everyone's birthright, yet all over the world there are millions of people who lack access to a reliable source of clean, safe water for drinking, cooking, and bathing. Add to that the frequent natural and human-caused disasters that interrupt water supplies for countless others and you have an urgent global challenge.

Enter Caminos de Agua, the FY19 winner of ASME ISHOW, whose "Aguadapt" ceramic water filter provides an effective, low-cost solution. Unlike most commonly available water filters that remove water-borne bacteria, Aguadapt goes an important step further by removing 99.999 percent of other pathogens, e.g. arsenic, lead, pesticides, mining runoff, and other regionally relevant contaminants.

In addition to the health benefits of clean water, Aguadapt offers a significant environmental advantage by eliminating the need for water bottled in plastic containers, and the expense of shipping it to disaster zones and remote locations. The environmentally friendly ceramic filter unit can be fitted with universally available hardware to virtually any container.

"ISHOW has been a really great experience," said Allie Alvarez, a water engineer and director of technology at Caminos de Agua. "The financial support has really helped us grow our operations, and it has been great to be able to talk to experts at ISHOW."

“ISHOW has been a really great experience. The financial support has really helped us grow our operations, and it has been great to be able to talk to experts at ISHOW.”

- Allie Alvarez



Caminos De Agua

IMPACT STORY: Sahar Shamsi

Sahar Shamsi is a mechanical engineer from the University of Toronto and a 2021 E4C Research Fellow. Spending six months last year researching clean water systems and renewable energy, Sahar worked with the National Renewable Energy Laboratory, or NREL. Sahar dedicated her time to a \$3.3 million dollar innovation competition, where participants worked to design clean water systems for disaster relief scenarios. As Sahar explains, "I helped to identify and tackle gaps in both the technical design aspects as well as their business strategies." Sahar's experience working with NREL gave her the opportunity to work right alongside entrepreneurs as they developed new technologies, "Their goal was to serve both people and the planet through the development of their clean technology."

The support Sahar received was not just contained to the Fellowship itself, she was given the opportunity to connect with other Fellows, as well as ASME's global community, which allowed her to develop and expand her network. "Being an E4C research fellow has been an incredibly rewarding experience. They gave me the chance to explore so many opportunities both within the Fellowship and outside of it," Sahar says. She was even given the opportunity to facilitate a hardware validation session at ISHOW when she showed interest.

When Sahar looks at the road ahead, Sahar's rewarding experience working with entrepreneurs and innovators, and providing the support they need. As a Program Coordinator at Climate Ventures in Toronto, Sahar works with six accelerator programs supporting clean tech entrepreneurs. "I hope to be able to continue to support the development of novel technologies in this way that are really needed in our world today. I want to do my part to solve these challenges."



Sahar Shamsi

“Being an E4C research fellow has been an incredibly rewarding experience.”

- Sahar Shamsi

ASME's Campaign For Next Generation Engineers

- On June 30, 2022, the ASME Foundation marked the end of year two of the five-year, \$50 million Campaign for Next Generation Engineers. The Foundation is profoundly grateful to the many individual, corporate, and foundation supporters who helped us make significant progress toward our goal.
- Engaged more than 7,000 individual donors, who collectively have contributed over \$2.5 million to support ASME's philanthropic programs
- Increased membership in the Archimedes Club, the Foundation's legacy giving society, to over 70 individuals and families



- Grew annual giving by 23 percent over the prior year, contributing to the \$11.6 million raised in just the first two years of the Campaign for Next Generation Engineers

VOLUNTEER SPOTLIGHT: Bob Hauck

Bob Hauck has come a long way in his engineering journey, a journey that started with learning what engineering was. "I didn't even know what an engineer was, I thought they drove a train," Bob says. After getting his undergraduate degree, Bob found himself in search of his next step in life, he was, as he puts it, "directionless Bob."

Bob found his direction in Africa, and specifically with the Peace Corps, where he spent two and a half years in Sierra Leone teaching math, science, and working on infrastructure projects. "I think there are points in your life where you say why not," Bob explains, "It was certainly eye-opening." His decision both renewed his belief in the importance of engineering as a force for good and put him on his career path, finding himself at GE Healthcare in Milwaukee, where he spent 38 years, eventually rising to the position of Chief Mechanical Engineer.

Following his retirement in 2016, Bob knew his work helping others was not over, "ASME's motto is advancing engineering for the benefit of humanity, not white humanity, not male humanity – it's all humanity, and I can get behind that." In order to help give back and provide the less fortunate with an opportunity to succeed, Bob established his own 501(c)(3), which allows him to send the income he makes as a consultant directly to the ASME Foundation. "I think every engineer on the planet should feel social responsibility," Bob says, "I know it's just a drop in the bucket, but like they say a journey of a thousand miles starts with a single step." And Bob's advice to those who are considering to give but haven't yet, "What are you waiting for?"

"I think every engineer on the planet should feel social responsibility."

-Bob Hauck



Bob Hauck & Family

FOUNDATION DONOR SPOTLIGHT: Siegel Family Endowment

In November 2021, the Siegel Family Endowment pledged \$100,000 to the ASME Foundation to fund a cohort of five cross-sector Engineering for Change Research Fellows and conduct a longitudinal impact evaluation of the program.

Founded by computer scientist and entrepreneur David M. Siegel, the Siegel Family Endowment focuses its charitable investments on organizations working at the intersections of learning, workforce, and infrastructure.

Through the support of ASME's E4C Research Fellowship Program, Siegel Family Endowment is proud to help build this new generation of engineers and foster a more nuanced, multidimensional approach to infrastructure design," said Executive Director Kathleen Knight. Knight was a featured speaker at ASME's December 2 Impact.Engineered event.



Bryan Erler

INDIVIDUAL DONOR SPOTLIGHT: Bryan Erler, ASME Past President

In an act of extraordinary generosity and continued service to the engineering community, longtime ASME leader and Immediate Past President Bryan Erler, P.E. has pledged \$100,000 to fund the Bryan Erler Endowed Scholarship Fund. Administered by the ASME Foundation, the fund will support students who are interested in engineering mechanics, although applicants need not be ME majors. According to Erler, **This scholarship will help promising engineering students, attract young talent to the engineering profession, and hopefully encourage enrollment in higher education.** The scholarship will initially be available to students in the 2023-2024 academic year.



The Bressler & Lee Family

DONOR SPOTLIGHT: Lisa Bressler & Karen Lee

For sisters Lisa Bressler and Karen Lee, the decision to give to ASME is all about legacy. Their father, Marcus Bressler had a history with ASME that goes back more than 60 years. "He was a big man with a big personality, and a very big heart," says Karen, "ASME was his life. It was his career, his passion, it was his hobby." The two sisters have lifelong memories of their father's love of engineering, and passion for ASME, including vivid recollections of him traveling for the Boiler and Pressure Vessel Code every year.

After their father passed away, the two sisters wanted to find a way to honor his legacy in a way that would make him proud. Finding inspiration from his dedication to both engineering as well as his passion for education, the family established an annual ASME scholarship in their father's name. As an immigrant from Cuba who attended Cornell, he valued the opportunities that can come from education. The scholarship fund in dad's name is the perfect way to carry on the legacy and support what was important to him," Karen says.

I'm happy to see that engineering is becoming something that women go into much more regularly, and that ASME is promoting it.
- Karen Lee

As they look ahead, the sisters plan to not only maintain the scholarship, but expand it as well, and continually make it more meaningful – they want it to help more people and give back what was given to them. When they think about the future of engineering, Lisa and Karen see a brighter world ahead, and they are doing their part to build it. "I'm happy to see that engineering is becoming something that women go into much more regularly, and that ASME is promoting it," says Karen. And both sisters know their father would feel the same, or as they put it, "dad would be pretty tickled to know."

Donors/Partners/Collaborators



Archimedes Club

Since 2003, the Archimedes Club has united the ASME planned giving community in the common goal of supporting programs that will help advance the engineering profession.



Alexander Holley Society

Holley Society members provide ASME with critical resources to advance the engineering profession and help transform the world through unique engineering-based programs.



MEMBERS

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Nancy Fitzroy
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Bingyi Yu
Sam Zamrik
Mohamed Zarrugh
William Zdeblick
Rixin Zhu

2021 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.

Pol D. Spanos, Ph.D., P.E., was selected to receive the ASME Medal, established in 1920 as the Society's highest award, and given to recognize eminently distinguished engineering achievement.

Dr. Spanos, the Lewis B. Ryon endowed chair in engineering at Rice University in Houston, TX, was honored for outstanding research on the dynamics and reliability of nonlinear mechanical and structural systems; for tireless service to ASME and the engineering community; for impactful contributions through highly cited books and articles; and for devoted mentorship and internationally recognized scientific and technological leadership.



Pol D. Spanos

HONORARY MEMBERS

Yonggang Huang, Ph.D., Member
Marshall G. Jones, Ph.D., Fellow
John B. Kitto Jr., Fellow
Hameed Metghalchi, Sc.D., Fellow
Pamela M. Norris, Ph.D., Fellow

ASME MEDAL

Pol D. Spanos, Ph.D., Fellow

ADAPTIVE STRUCTURES AND MATERIAL SYSTEMS AWARD

Mary I. Frecker, Ph.D., Fellow

BERGLES-ROHSENOW YOUNG INVESTIGATOR AWARD IN HEAT TRANSFER

Nenad Miljkovic, Ph.D., Fellow

PER BRUEL GOLD MEDAL FOR NOISE CONTROL AND ACOUSTICS

David R. Dowling, Ph.D., Fellow

THOMAS K. CAUGHEY DYNAMICS MEDAL

Michael P. Paidoussis, Ph.D., Member

EDWIN F. CHURCH MEDAL

Efstathios E. Michaelides, Ph.D., Fellow

DANIEL C. DRUCKER MEDAL

Markus J. Buehler, Ph.D., Member

WILLIAM T. ENNOR MANUFACTURING TECHNOLOGY AWARD

Albert Shih, Ph.D., Fellow

FLUIDS ENGINEERING AWARD

Steven L. Ceccio, Ph.D., Fellow

Y.C. FUNG EARLY CAREER AWARD

Kristin S. Miller, Ph.D.

FREEMAN SCHOLAR AWARD

Rajat Mittal, Ph.D., Fellow

GAS TURBINE AWARD

Masha Folk, Ph.D., Member
Robert J. Miller, Member
John Coull, Ph.D., Member

KATE GLEASON AWARD

Alba L. Colón-Rodríguez, Member

RICHARD J. GOLDSTEIN ENERGY LECTURE AWARD

Shuji Nakamura, Ph.D.

JOHNSON & JOHNSON CONSUMER COMPANIES, INC. MEDAL

The ASME Bioengineering Division's Women's Networking Group

MELVIN R. GREEN CODES AND STANDARDS MEDAL

Walter J. Sperko, Fellow

J.P. DEN HARTOG AWARD

Balakumar Balachandran, Ph.D., Fellow

HEAT TRANSFER MEMORIAL AWARDS

Laurent Pilon, Ph.D., Fellow (SCIENCE)

Michael Ohadi, Ph.D., Fellow (ART)

Wilbur J. (Webb) Marner, Ph.D., Fellow (GENERAL)

MAYO D. HERSEY AWARD

Itzhak Green, D.Sc., Fellow

PATRICK J. HIGGINS MEDAL

A. Richard Emmerson

INTERNAL COMBUSTION ENGINE AWARD

Gautam Kalghatgi, Ph.D.

WARNER T. KOITER MEDAL

Gerhard A. Holzapfel, Ph.D., Fellow

ROBERT E. KOSKI MEDAL

Huayong Yang, Ph.D.

ALLAN KRAUS THERMAL MANAGEMENT MEDAL

Issam Mudawar, Ph.D., Fellow

FRANK KREITH ENERGY AWARD

Robert Pitz-Paal, Dr.-Ing., Fellow

BERNARD F. LANGER NUCLEAR CODES AND STANDARDS AWARD

Timothy M. Adams, Fellow

WILFRED C. LAROCHELLE CONFORMITY ASSESSMENT AWARD

Richard R. Stevenson, Member

GUSTUS L. LARSON MEMORIAL AWARD

Patrick E. Hopkins, Ph.D., Fellow

H.R. LISSNER MEDAL

C. Ross Ethier, Ph.D., Fellow

CHARLES T. MAIN STUDENT LEADERSHIP AWARDS

Arya Vyavahare, Member (GOLD)
Samantha R. Hoover, Member (SILVER)

M. EUGENE MERCHANT MANUFACTURING MEDAL OF ASME/SME

Scott Smith, Ph.D., Fellow

VAN C. MOW MEDAL

Rafael V. Davalos, Ph.D., Fellow

NADAI MEDAL

Michael Thouless, Ph.D., Member

SIA NEMAT-NASSER EARLY CAREER AWARD

Yuhang Hu, Ph.D., Member

ROBERT M. NEREM EDUCATION AND MENTORSHIP MEDAL

Maury L. Hull, Ph.D., Fellow

EDWARD F. OBERT AWARD

Jesse Watjen, Ph.D.
Matthew T. Schifano
Mitra N. Sexton, Fellow

OLD GUARD EARLY CAREER AWARD

Nicole Salloum, Member

OUTSTANDING STUDENT SECTION ADVISOR AWARD

Charbel Bou-Mosleh, Ph.D.

RUFUS OLDENBURGER MEDAL

Sosale Shankara Sastry, Ph.D.

PERFORMANCE TEST CODES MEDAL

Thomas C. Wheelock

PI TAU SIGMA GOLD MEDAL

Yangying Zhu, Ph.D., Member

JAMES HARRY POTTER GOLD MEDAL

Tatiana Morosuk, Ph.D., Member

DIXY LEE RAY AWARD

Ashwani K. Gupta, Ph.D., Fellow

RALPH COATS ROE MEDAL

Burt Rutan

CHARLES RUSS RICHARDS MEMORIAL AWARD

Wei Chen, Ph.D., Fellow

SAFETY CODES AND STANDARDS MEDAL

D. Yogi Goswami, Ph.D., Fellow

R. TOM SAWYER AWARD

Robert E. Kielb, Ph.D., Fellow

LAKSHMI SINGH EARLY CAREER LEADERSHIP AWARD

Sara Wheeland, Ph.D., Member

BEN S. SPARKS MEDAL

Sarim N. Al-Zubaidy, Fellow

RUTH AND JOEL SPIRA OUTSTANDING DESIGN EDUCATOR AWARD

Timothy W. Simpson, Ph.D., Fellow

SPIRIT OF ST. LOUIS MEDAL

Darold B. Cummings, Member

J. HALL TAYLOR MEDAL

Susumu Terada, Fellow

ROBERT HENRY THURSTON LECTURE AWARD

M. Cynthia Hipwell, Ph.D., Member

TIMOSHENKO MEDAL

Huajian Gao, Ph.D., Fellow

YERAM S. TOULOUKIAN AWARDS

Carolyn A. Koh Ph.D., Member
Zhuomin Zhang, Ph.D., Fellow

WORCESTER REED WARNER MEDAL

Hanqing Jiang, Ph.D., Fellow

GEORGE WESTINGHOUSE MEDALS

Jovica Riznic, Ph.D., Fellow (Gold)
Brian Wodka, Member

ARTHUR L. WILLISTON MEDAL

Vineet Vashi, Member

SAVIO L-Y. WOO TRANSLATIONAL BIOMECHANICS MEDAL

Danny Bluestein, Ph.D., Member

HENRY R. WORTHINGTON MEDAL

Robert J. Visintainer, Member

S.Y. ZAMRIK PRESSURE VESSEL AND PIPING MEDAL

Poh-Sang Lam, Ph.D., Fellow

Financials

The American Society Of Mechanical Engineers
 CONSOLIDATED STATEMENT OF FINANCIAL POSITION
 June 30, 2022



Assets	2022
Cash	\$ 28,527,451
Accounts receivable, less allowance for doubtful accounts of \$452,000	26,928,288
Prepaid expenses, deferred charges, and other current assets	25,852,412
Investments	119,843,214
Furniture, equipment, software and leasehold improvements, net	18,603,744
Deferred tax assets, net	6,471,896
Intangible assets, net	7,341,370
Goodwill, net	22,355,438
Total assets	\$ 255,923,813
Liabilities and Net Assets	
Liabilities:	
Accounts payable and accrued expenses	\$ 21,586,595
Accrued employee benefits	15,945,556
Debt facilities	21,125,000
Deferred publications and subscriptions revenue	31,908,010
Accreditation and other deferred revenue	17,399,467
Deferred rent	6,733,229
Total liabilities	114,697,857
Commitments	
Net assets:	
Without donor restrictions	123,056,878
With donor restrictions	18,169,078
Total net assets	141,225,956
Total liabilities and net assets	\$ 255,923,813



	2022
Net assets without donor restrictions:	
Operating revenue:	
Membership dues, publications, accreditation, conference fees, and other revenue by sector/operating unit:	
Standards operations	\$ 126,477,075
Engineering operations	32,025,334
Learning and development	4,193,190
Philanthropic programs	2,661,863
Technical events and content	4,827,862
Publications	13,671,546
Constituent engagement	8,176,426
Miscellaneous revenue	2,809,743
Total operating revenue	194,843,039
Net assets released from restrictions	1,302,221
Total operating revenue and other support	196,145,260
Operating expenses:	
Program services by sector/operating unit:	
Standards operations	58,032,991
Engineering operations	15,224,864
Learning and development	4,694,059
Philanthropic programs	6,159,271
Technical events and content	13,469,694
Publications	10,436,827
Industry events	1,551,833
Global public affairs	3,955,436
Constituent engagement	3,834,361
Total program services	117,359,336
Supporting services:	
Marketing	10,503,012
Sales and customer care	5,420,661
General administration	50,811,349
Total supporting services	66,735,022
Total operating expenses	184,094,358
Excess of operating revenues over expenses	12,050,902
Nonoperating activities:	
Investment return, net	(13,868,041)
Post-retirement changes other than net periodic costs	413,779
Other components of net periodic costs	36,877
Interest expense	(1,042,395)
Income tax expense	(1,162,399)
Total nonoperating activities	(15,622,179)
Decrease in net assets without donor restrictions	(3,571,277)
Net assets with donor restrictions:	
Contributions	968,479
Investment return, net	(2,520,652)
Present value adjustment to annuities payable	(32,536)
Net assets released from restrictions	(1,302,221)
Decrease in net assets with donor restrictions	(2,886,930)
Decrease in net assets	(6,458,207)
Net assets at beginning of year, as adjusted	147,684,163
Net assets at end of year	\$ 141,225,956

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