Tuesday, April 25, 2017
8:30am—1:00pm
2043-2044-2045 Rayburn House Office Building
Capitol Hill, Washington D.C.
WELCOME & OPENING REMARKS [8:30AM]
Charla Wise
ASME President Nominee/Elect

R&D IN THE FY 18 FEDERAL BUDGET [8:45AM]
Introductions: J. Robert (Bob) Sims, Treasurer, United Engineering Foundation

Matthew Hourihan
Director, R&D Budget and Policy Program
American Association for the Advancement of Science

DIVERGENT VIEWS ON FEDERAL INVESTMENTS FOR ENGINEERING & SCIENCE TO SPUR INNOVATION, PRODUCTIVITY AND COMPETITIVENESS [9:15AM]
Introductions: John Speer, Ph.D., AIME President-Elect

Stephen Moore
Distinguished Visiting Fellow, Institute for Economic Freedom and Opportunity
The Heritage Foundation

Robert D. Atkinson
President, Information Technology and Innovation Foundation

Break [10:00AM]

FEDERAL AGENCIES: RESEARCH AND TECHNOLOGIES [PANEL SESSION: 10:15AM]
Introductions: Karen S. Pedersen, P.E., F.N.S.P.E., IEEE-USA President

Moderator: Thomas G. Loughlin, ASME Executive Director

Panelists

Philip Singerman, Ph.D. (Invited)
Associate Director, Innovation & Industry Services,
National Institute of Standards and Technology, U.S. Department of Commerce

Barry W. Johnson, Ph.D.
Acting Assistant Director
Directorate for Engineering, National Science Foundation

Timothy Unruh, Ph.D.
Deputy Assistant Secretary for Renewable Power

MEMBERS OF CONGRESS & CONGRESSIONAL STAFF [11:50AM]
Introductions: Norma Jean Mattei, Ph.D., ASCE President and T. Bond Calloway, Jr., President, AIChE

Invited / Responses Pending

Lunch Served [12:30 PM]

CLOSING REMARKS | ADJOURN [12:55PM]
Charla Wise
ASME President Nominee/Elect

CONGRESSIONAL VISITS OVERVIEW [1:10PM]
2043-2044-2045 Rayburn House Office Building
MATTHEW HOURIHAN

Director, R&D Budget and Policy Program
American Association for the Advancement of Science

Matthew Hourihan is the director of the R&D Budget and Policy Program for the American Association for the Advancement of Science (AAAS), where he is a regular source of information and analyses on past, present, and future science budgets for policymakers and the science community. He has served in this position since 2011. Prior to joining AAAS, he served as a clean energy policy analyst at the Information Technology & Innovation Foundation (ITIF). While at ITIF, he tracked federal energy R&D investments and innovation activities, and authored several white papers and policy briefs exploring the role of innovation in solving the nation’s energy and climate challenges. He also regularly coordinated Congressional briefings, conferences, and events bringing together leading experts in government, industry, and academia. Previously, he served as Jan Schori Fellow at the Business Council for Sustainable Energy, a coalition of energy firms and utilities working to engage policymakers for market-based solutions to sustainable energy development and climate change.

As a student, he interned with the AAAS Center for Science, Technology and Congress, now the Office of Government Relations. He earned a masters degree in public policy with a focus on science and technology policy at George Mason University, and a B.A. in journalism from Ithaca College. Prior to graduate school, he worked for five years as a cause communications professional and an award-winning journalist.
STEPHEN MOORE
Distinguished Visiting Fellow
Institute for Economic Freedom and Opportunity
The Heritage Foundation

Stephen Moore, an eminent economic writer and policy analyst, was born on February 16, 1960 in Illinois, United States. He was enrolled in the Saints Faith Hope & Charity School in Winnetka and in 1978, he graduated from New Trier High School. He earned his bachelors from the University of Illinois, Urbana-Champaign and later, his master's degree in economics from George Mason University.

In 1983, Moore served as the Grover M. Hermann Fellow in Budgetary Affairs at the Heritage Foundation, a post he held for the next four years. In 1987, Moore was appointed as the research director of President Reagan's Privatization Commission. Moore worked with the Cato Institute, a libertarian think tank, for a period of ten years. Moore was the senior economist of the U.S. Congress Joint Economic Committee where he had a significant responsibility in drafting the FairTax proposal. He has served two presidential commissions. And later, in 1988, he served as a Special Consultant to the National Economic Commission.

In 1999, Stephen Moore founded the Club for Growth, an organization devoted to assist the Congress elect free market and tax cutting candidates. Moore served as the President of the club till 2004, and under his direction the Club attained the status of one of the major-league and prominent political organizations in USA. Under Moore’s leadership the club emerged as the biggest single money raiser for the Republican candidates in 2003. However, in December 2004, Moore was forced to resign after being ousted by the board.

Following his resignation from the club, Moore, in collaboration with Arthur Laffer and Mallory Factor, founded the Free Enterprise Fund. In 2005, he was offered a post on the editorial board of the Wall Street Journal which he accepted and left the Free Enterprise Fund. In 2007, for his services to enhance and advance economic understanding, he was awarded the Ronald Reagan “Great Communicator” award by the Republican Party.

Currently, Moore is a partner at the econometrics firm Arduin, Laffer & Moore Econometrics. In 2014, the Heritage Foundation invited Moore to join the think tank as chief economist. In 2015, he was given the position of the Distinguished Visiting Fellow at Heritage, Moore exerts his intellect on advancing public policies that help enhance economic growth in the US and maintain its position as the global economic superpower. His areas of research are budget, fiscal and monetary policy. He also serves as a contributing editor at National Review.
ROBERT D. ATKINSON, PH.D.
President
Information Technology and Innovation Foundation

As founder and president of the Information Technology and Innovation Foundation (ITIF), Robert D. Atkinson leads a prolific team of policy analysts and fellows that is successfully shaping the debate and setting the agenda on a host of critical issues at the intersection of technological innovation and public policy.

He is an internationally recognized scholar and a widely published author whom The New Republic has named one of the “three most important thinkers about innovation,” Washingtonian Magazine has called a “tech titan,” and Government Technology Magazine has judged to be one of the 25 top “doers, dreamers and drivers of information technology.”

A sought-after speaker and valued adviser to policymakers around the world, Atkinson’s books include Innovation Economics: The Race for Global Advantage (Yale, 2012), Supply-Side Follies: Why Conservative Economics Fails, Liberal Economics Falters, and Innovation Economics is the Answer (Rowman & Littlefield, 2006), and The Past And Future Of America’s Economy: Long Waves Of Innovation That Power Cycles Of Growth (Edward Elgar, 2005). He also has conducted groundbreaking research projects and authored hundreds of articles and reports on technology and innovation-related topics ranging from tax policy to advanced manufacturing, productivity, and global competitiveness.

President Clinton appointed Atkinson to the Commission on Workers, Communities, and Economic Change in the New Economy; the Bush administration appointed him chair of the congressionally created National Surface Transportation Infrastructure Financing Commission; and the Obama administration appointed him to the National Innovation and Competitiveness Strategy Advisory Board. He also served as co-chair of the White House Office of Science and Technology Policy’s China-U.S. Innovation Policy Experts Group. He is currently a member of the U.S. State Department’s Advisory Committee on International Communications and Information Policy and the U.S. Department of Commerce’s National Advisory Council on Innovation and Entrepreneurship.

As a respected policy expert and commentator, Atkinson has testified numerous times before the U.S. Senate and House of Representatives, and he appears frequently on news and public affairs programs. Among others, these appearances have included interviews on BBC, CNBC, CNN, Fox News, MSNBC, NPR, and NBC Nightly News.

Atkinson holds a Ph.D. in city and regional planning from the University of North Carolina, Chapel Hill, where he was awarded the prestigious Joseph E. Pogue Fellowship. He earned his master’s degree in urban and regional planning from the University of Oregon, which named him a distinguished alumnus in 2014.
PHILIP SINGERMAN, PH.D.
Associate Director, Innovation & Industry Services
National Institute of Standards and Technology
United States Department of Commerce

Phillip Singerman is the Associate Director for Innovation and Industry Services at the National Institute of Standards and Technology (NIST). In this capacity he is responsible for the NIST suite of external partnership programs, including the Hollings Manufacturing Extension Partnership, the Baldrige Performance Excellence Program, the Office of Advanced Manufacturing, NIST technology transfer, economic analysis, and small business innovation research awards.

Mr. Singerman serves as the U.S. Co-Chair of the Israel-U.S. Binational Industrial Research and Development (BIRD) Foundation and on the U.S. – India Science & Technology Endowment Board (STEB) and the Stakeholders Council of the Advanced Functional Fabrics of America (AFFOA).

Mr. Singerman was appointed to his position in January 2011. Immediately prior to joining NIST, he was a Senior Vice President at B&D Consulting, a DC-based firm providing strategic advice and technical assistance on federal economic development programs to non-profit organizations, local governments, and universities. Previously he was a managing director of a $120 million seed stage venture fund that invested in biotechnology.

Mr. Singerman has more than 35 years of experience in tech based economic development; he was the first chief executive of two of the best known and longest lasting private-public partnerships; the Ben Franklin Technology Center of Southeastern Pennsylvania and the Maryland Technology Development Corporation. During the Clinton Administration he served as U.S. Assistant Secretary of Commerce for Economic Development, a Presidential appointment requiring Senate confirmation.

Mr. Singerman has participated on scores of local, state, and national advisory boards and associations, including the State Science and Technology Institute (SSTI), the Technology Council of Maryland (TCM), the International Economic Development Council (IEDC), NGA’s Advisory Committee on Entrepreneurial Policy, and NSF’s Small Business Advisory Committee. He was the 2011 recipient of IEDC’s Federal Leadership in Economic Development Award.

Mr. Singerman received his B.A. from Oberlin College and holds a Ph.D. from Yale University. He has taught at Yale College, Barnard College (Columbia University), and the Fels Institute of Government (University of Pennsylvania).
BARRY W. JOHNSON, PH.D.
Acting Assistant Director, Directorate for Engineering
National Science Foundation

Barry W. Johnson is an Assistant Director (Acting) for the National Science Foundation (NSF) and is responsible for the Directorate for Engineering. Previously he served as the Division Director for the Division of Industrial Innovation and Partnerships at NSF. Prior to joining NSF, he was the Senior Associate Dean in the School of Engineering and Applied Science at the University of Virginia. He continues to hold the L. A. Lacy Distinguished Professorship at the University of Virginia. In 1998 he was a founder of Privaris, Inc., a biometrics security company. While on leave from the University of Virginia from 2002 to 2006, he served as Chairman, President, and CEO of Privaris. Prior to joining the University of Virginia, he worked as a research engineer for Harris Corporation in their Government Aerospace Systems Division. He is the author of two books, nine book chapters and more than 150 journal and conference articles. He is also an inventor on 34 issued patents and more than 30 applications currently pending.

Dr. Johnson received the B.S., M.E., and Ph.D. degrees in electrical engineering from the University of Virginia, Charlottesville, Virginia, in 1979, 1980, and 1983, respectively. He is a Fellow of the IEEE for his contributions to fault-tolerant computing. He is also a Fellow of the National Academy of Inventors. His major awards include the 1992 C. Holmes MacDonald Outstanding Young Electrical Engineering Professor Award from Eta Kappa Nu, the 1991 Frederick Emmons Terman Award from the American Society for Engineering Education, a 1992 Alan Berman Research Publications Award from the Department of the Navy, a 1990 Outstanding Faculty Award from the State Council of Higher Education in Virginia, election to the Raven Society in 2007, a 1997 David A. Harrison Outstanding Faculty Award from the University of Virginia, and the 2011 Outstanding Faculty Award from the University of Virginia Engineering Foundation.
TIMOTHY UNRUH, PH.D.

Deputy Assistant Secretary for Renewable Power in the
Office of Energy Efficiency and Renewable Energy (EERE)
U.S. Department of Energy

Dr. Timothy D. Unruh is director of the U.S. Department of Energy’s (DOE) Federal Energy Management Program (FEMP), which falls within the Office of Energy Efficiency and Renewable Energy.

As FEMP Director, Dr. Unruh oversees the implementation of policy and actions that result in energy efficiency implementation, renewable energy adoption, and reductions in energy and water use in Federal government operations. Dr. Unruh coordinates with DOE national laboratories and other Federal agencies in this capacity.

Dr. Unruh was formerly director of operations for ConEdison Solutions where he led a team of engineers and project managers to implement energy savings projects within government and private installations.

While in this role, Dr. Unruh worked to educate energy users about alternative finance methods to achieve energy-reduction goals. He was heavily involved in the measurement and verification of energy savings resulting from these projects.

Earlier in his engineering career, Dr. Unruh built a program to provide energy services to major industrial clients. He trained and coordinated industrial clients on methods to produce energy savings while operating a short financial payback environment. Dr. Unruh is licensed in multiple states across the U.S. and is a Certified Energy Manager (CEM) as well as a Leadership in Environmental and Energy Design Accredited Professional (LEED AP).

During his career, Dr. Unruh has performed numerous assessments, project analyses, and energy engineering services for an array of facility types. He is involved in the development of electrical power quality standards with the Institute of Electrical and Electronics Engineers (IEEE) Power Quality Subcommittee.

Dr. Unruh has doctorate, master’s, and bachelor’s degrees in electrical engineering from Wichita State University in Wichita, Kansas.
United Engineering Foundation

c/o Glenmede 1650 Market Street, Suite 1200
Philadelphia, PA 19103

Overview: The United Engineering Foundation Inc. (UEF) is the successor organization to the United Engineering Society (UES) which was founded in 1904 with the generous support of Andrew Carnegie. The members of the UEF are the American Institute of Chemical Engineers (AIChE), American Institute of Mining Engineers (AIME), American Society of Civil Engineers (ASCE), American Society of Mechanical Engineers, and Institute of Electrical and Electronics Engineers (IEEE).

VISION: To advance the engineering arts and sciences for the welfare of humanity.

MISSION: To support engineering and education by, among other means, making grants.

The original objective of the UES was to provide a united home for the major engineering societies of the day. The Engineering Societies Building at 29 West 39th Street in New York City, the first such home, was completed in 1906 and was followed by the United Engineering Center at 345 E. 47th Street in 1960. In 1998, the societies (ASCE, AIME, ASME, IEEE, AIChE) moved to their current locations.

The libraries of the participating societies were merged in 1915 and became the Engineering Societies Library (ESL). It grew over the years to become a world-renowned institution housing 500,000 volumes. It realized that even greater service could be provided by a merger with one of the major US technical libraries. The search for such a partner led to Linda Hall Library of Kansas City -- a research library of science, engineering, and technology equal in size to ESL and with far greater resources. The two collections were merged in 1998 and all services previously available from ESL continue to be available through LHL.

The UEF’s contributions to the engineering profession have been manifold including contributing millions of dollars to research, supporting the formation of the National Research Council, funding ECPD, now ABET, during its early years, administering over 1000 conferences and playing a key role in the formation of the National Academy of Engineering.

Today, the United Engineering Foundation is a private foundation and focuses on providing grants for the enhancement of engineering. For the most recent six years the UEF awarded 45 grants totaling over $4,500,000. Details of the annual grant cycle, eligibility, selection process and recent grant recipients are available on the web site, uefoundation.org.

The UEF is governed by a ten member Board of Trustees, two Trustees from each of the members societies listed above. The current president is Robert Stevens, and the Executive Director is Patrick Natale, P.E., CAE, Dist.M.ASCE, NAC
Charla Wise
*ASME President Nominee/Elect*

Charla K. Wise has been selected as the president-nominee of The American Society of Mechanical Engineers (ASME) for the 2017-2018 term of office. She will serve as the 136th president of ASME.

Wise is a seasoned executive who has held numerous leadership positions in the aerospace industry. While at Lockheed Martin, she held key functional and programmatic positions including vice president of Engineering for Aeronautics; vice president and program director for the development of the F-22 Raptor (Ft. Worth, Texas); vice president, Technology, Corporate Energy, Environment, Safety and Health (Bethesda, Md.); and program director for F-16 U.S. Air Force programs.

Throughout her years of association with ASME, Wise has applied her leadership acumen to a number of Society positions, including a three-year term as a member of the ASME Board of Governors. During her years as a member of the ASME Industry Advisory Board, she held the positions of chair, vice chair and program chair, where she contributed in leading IAB programs to increased relevance and effectiveness for ASME members in industry. Wise has also served on the ASME Foundation Board of Directors, providing leadership and guidance to the programs that support, create and advance the field of engineering. Other Society positions included tenures as chair of the BOG Strategic Growth Planning Task Force, as vice chair of the ASME Committee on Honors, and as a member of the Strategic Management Sector Council.

Among her many professional affiliations, Wise is an SAE Fellow and has served on the Board of Directors of SAE International, where she also served as SAE vice president for Aerospace and a member of the SAE Foundation board. She has served as chair of the Technical Operations Council for the Aerospace Industries Association (AIA), as well as a member of the Executive Committee. Her memberships include the American Institute of Aeronautics and Astronautics (AIAA), where she is an associate fellow, and the Society of Women Engineers. Wise is a member and past-chair of the Board of Directors of Goodwill Industries of Fort Worth and served on the Board of Directors of FW United Way and Chamber of Commerce, Fort Worth. She is a member of Rotary International.

Wise has served on several advisory boards including the College of Engineering National Advisory Committee at the University of Michigan (U of M), the Industrial Board at the University of Texas at Arlington, the Corporate Advisory Committee for the Picker Engineering Program at Smith College, and the U of M Tauber Manufacturing Institute. Wise has also held the position of adjunct professor at the U of M College of Engineering.

Wise is the recipient of many honors and recognitions including the ASME Henry Laurence Gantt Medal and the AIAA / SAE William Littlewood Lecture Award Recipient. Other recognitions include the Society of Women Engineer’s Upward Mobility Award, Women in Aerospace Lifetime Achievement Award, Silver Knight of Management Award from the National Management Association, and the Engineering Alumni Society Merit Award from the University of Michigan.

Wise attended Aquinas College (Grand Rapids, Mich.) and received her bachelor’s degree in engineering from the University of Michigan, Ann Arbor. She is a graduate of the Lockheed Martin Program Managers Institute.

T. Bond Calloway, Jr.
*AIChE President*

T. Bond Calloway, Jr., is an Associate Laboratory Director, Clean Energy, at the Savannah River National Laboratory, where he leads a research team of scientists and engineers. He has more than 30 years of industrial experience in research and development, design, construction, and operation of nuclear and chemical plants.

Calloway is the 2017 President of AIChE (the American Institute of Chemical Engineers). Previously, he served on the AIChE Board of Directors (2011–2013) and was...
co-chair of the 2009 AIChE Annual Meeting and the 2014 Natural Gas workshop. Calloway currently serves on the Executive Board of the AIChE Center for Energy Initiatives, the Environmental Progress & Sustainable Energy Editorial Board, the Chemical Engineering Progress Editorial Board, the Public Affairs and Information Committee, and as a director of AIChE's Nuclear Engineering Division and the Savannah River Local Section.

Calloway, in collaboration with AIChE staff and Georgia Institute of Technology, led the effort which recently culminated in AIChE being awarded a $140 million project to run the Rapid Advancement in Process Intensification Deployment (RAPID) Manufacturing Institute for the U.S. Department of Energy.

Prior service to AIChE and the profession include membership in AIChE’s Research and New Technology Committee (2008–2013), including two years as chair; on the Chemical Engineering Technology Operating Council (2008–2012); on the Executive Board of the Program Committee (2009–2010); and on the Nuclear Engineering Division Executive Committee (2004–present), including three years as chair.

Calloway has received AIChE’s Herb Epstein Award (2008) and Robert E. Wilson Award (2014); the U.S. Dept. of Energy Sustainability Award (2011); and a R&D 100 Award for contributions in engineering and energy research (2001). He was named the Auburn University Chemical Engineering Department's Outstanding Alumnus in 2016.

A Fellow of AIChE, Calloway has authored more than 50 papers on various aspects of energy research and manufacturing.

Thomas Loughlin, CAE
ASME Executive Director

Thomas G. Loughlin, CAE, has served as executive director of ASME (The American Society of Mechanical Engineers) since July 2008. He is responsible for the Society's wide-ranging and expanding technical and educational programs, strategic initiatives, finance, operations, and staff. He is based at ASME's global headquarters in New York.

Most recently, Loughlin has initiated and overseen a dramatic transformation of the venerable engineering Society. Driven by an unwavering commitment to ASME’s mission and a vision for creating a strong foundation for the Society’s continued growth, relevance and impact well into the 21st century, Loughlin has led the Society through sweeping changes reflected in virtually all facets of the enterprise, including strategic planning, finance, organizational design and operations.

A hallmark of ASME’s new approach for the 21st century will be enhancing the Society’s relevance and impact to global constituents by being the leader in advancing engineering technology. ASME is also deeply committed to leveraging engineering knowledge to benefit humankind, through signature programs such as E-Events, Engineering for Change, Future Engineers and INSPIRE.

A leader in association management with a strong track record in strategic planning and organizational assessment, Loughlin served as ASME’s deputy executive director and second assistant treasurer since 2005. Loughlin joined ASME in 1993 as director of member services.

Before joining ASME, Loughlin worked as chief engineer at Securitas Lock Group, Inc., in Brooklyn, N.Y., and co-founded Security Techniques, Inc., of Stanton, N.J. He also served as developmental engineer at Emhart Corp. in Berlin, Conn.

Loughlin, a certified association executive and Fellow of ASME, received his bachelor's degree in mechanical engineering from Lafayette College in 1983. He was named winner of the Keystone Award for Excellence in Membership from the American Society of Association Executives (ASAE) and was inducted into the Pan American Academy of Engineering in 2012. He holds five patents.
Founded in 1880 as the American Society of Mechanical Engineers, ASME is a not-for-profit professional organization that enables collaboration, knowledge sharing and skills development across all engineering disciplines, while promoting the vital role of the engineer in society. ASME codes and standards, publications, conferences, continuing education and professional development programs provide a foundation for advancing technical knowledge and promoting a safer world. For more information, visit ASME.org.

Norma Jean Mattei, Ph.D., P.E.
ASCE President

Norma Jean Mattei, Ph.D., P.E. is professor and past chair at the University of New Orleans’ (UNO) Department of Civil and Environmental Engineering. She has been active in ASCE for more than 20 years in local, regional and national leadership roles and was elected by the Society’s membership as the 2017 ASCE President.

President Mattei sits on the executive committee of ASCE’s New Orleans Branch SEI/Structures Committee. The former Region 5 director has served on ASCE’s Committee on Diversity and Women in Civil Engineering and the Committee on Licensure and Ethics. ASCE has drawn on her expertise for a number of media relations activities, including an interview with National Public Radio’s “Morning Edition” on post-Hurricane Katrina conditions. Recently, she was spokeswoman for “Raised Floor Living,” a commercial that aired in the New Orleans’ region promoting elevation of residential structures above the flood plain.

In 2012, President Obama named Mattei one of three civilian members of the Mississippi River Commission, which researches and provides policy and work recommendations covering flood control, navigation and environmental projects. In that capacity, she helped oversee a drainage basin that covers 41 percent of the nation. The governor of Louisiana appointed her to the state’s licensing board for professional engineers -- LAPELS. She also serves on the board of directors for both the Louisiana Transportation Research Center Foundation and the Louisiana Technology Council.

Mattei has been a member of the UNO faculty since 1995. Her technical research interests include large watershed management, material and structural testing, sustainable reuse of spent construction and fabrication materials, and residual stress measurement. She is also interested in diversity, licensure and ethics issues.

Mattei earned a bachelor’s degree in civil engineering in 1982 and a doctorate in 1994, both from Tulane University.

Karen Pedersen, P.E., F. NSPE
IEEE-USA President

Karen Pedersen, P.E., F.N.S.P.E. has over 35 years in the Utility Industry; as a planner and rate research engineer in three large utilities in Iowa and Massachusetts. She led teams of engineers on electric system projects to build transmission and distribution substations costing millions of dollars.

Karen taught Power Systems Analysis online as Adjunct Professor for the University of Alaska in Anchorage. She is an Instructor for Wentworth Technology in Boston teaching online continuing education courses (Electric Motor Controls, Power System Analysis, and Transients).

Karen was President of the Massachusetts Society of Professional Engineers in Boston. She is an National Society of Professional Engineers (NSPE) Fellow and served 7 years on the NSPE Foundation Board.

She received a B.S. degree in electrical engineering from Iowa State University. She received an M.B.A. from Bentley College in Massachusetts. A member of HKN, she was inducted into the Nu Chapter of Iowa State University on 2 May 1976.

Karen is currently licensed as a Professional Engineer (Iowa-10074), Licensed Professional Engineer (Illinois-062-052517), and a Registered Professional Engineer (Massachusetts-32371).
J. Robert Sims  
*UEF Treasurer*

J. Robert Sims, Jr. is the Treasurer of the United Engineering Foundation, and served as the 133rd president of ASME for the 2014-2015 term of office. Sims has been an active member of the Society for more than 35 years and is a recognized authority on risk-based technologies. He is an emeritus fellow with Becht Engineering Co., Inc., where he provides consulting services in failure analysis of pressure equipment, pressure vessel and piping system design and analysis, mechanical integrity evaluation and Fitness-For-Service analysis, and the design of high pressure equipment.

Prior to joining Becht Engineering in 1998, Sims worked for more than thirty years with Exxon (now ExxonMobil), the last ten years as a pressure equipment specialist with worldwide responsibility for standards and improving equipment integrity. He has led multidisciplinary teams in performing risk analyses and has managed technology development in the area of flaw evaluation.

Sims is a fellow of ASME and has served in several leadership roles, particularly in areas involving the Society's codes, standards and certification processes. He served as senior vice president for ASME Standards and Certification (2005-2008), vice president for Pressure Technology Codes and Standards (1999-2002), chair of the Pressure Technology Post Construction Committee (1995-2001), and was a member of the ASME Board of Governors from 2010-2013. He is past vice chair of the ASME/API Joint Fitness for Service Committee and has served as a member of several Standards and Certification committees and subcommittees.

Sims is the recipient of the Society's Dedicated Service Award (1995), the J. Hall Taylor Codes and Standards Medal (2004) and the Melvin R. Green Codes and Standards Medal (2006). He has more than 30 publications and three patents to his credit and is a frequent speaker and chair at technical forums.

Sims earned his degree in mechanical engineering from Vanderbilt University and served two years as a commissioned officer in the United States Navy.

**John G. Speer**  
*AIME President-Elect*

Dr. Speer joined the Colorado School of Mines (CSM) faculty after 14 years of research and research management in the steel industry. He teaches introductory materials, phase stability and physical metallurgy of ferrous/nonferrous alloys and ferrous physical metallurgy. He holds degrees from Lehigh University and Oxford University, and his background is in physical metallurgy and solid-state phase transformations, as well as product development including alloy design/processing response/application and performance. His research interest involves ferrous physical metallurgy in general, and links the fundamentals of physical metallurgy with industrial applications. He is extensively involved with the Advanced Steel Processing and Products Research Center and maintains the strong relationships which have developed between CSM faculty/students and the steel producing/consuming community. ASPPRC conducts leading programs in sheet, plate, bar, and stainless steels to develop a better understanding of alloying, microstructure, processing and performance of steels for a variety of industrial applications.
Leila Aboharb  
ECLIPSE Intern  
ASME

Nael Barakat  
Chair  
Technology & Society Division

Sumanta Acharya  
Chair  
Heat Transfer Division

Wayne Bergstrom  
2016-17 President  
ABET

Ashok Agrawal  
Managing Director  
American Society for Engineering Education

Andy Bicos  
ASME Federal Fellow  
Industry Advisory Board

Hasan Akhter  
ECLIPSE Intern  
ASME

Elizabeth Bierman  
Board of Directors  
AAES

Mark Ames  
Director, Government Relations  
AIHA

Nicole Boston  
CEO  
Society of Fire Protection Engineers

Jennifer Jewers Bowlin  
Member  
ASME Foundation Board of Directors

Alan Brown  
Associate Editor  
Mechanical Engineering

Asha Balakrishnan  
Co-chair, Policy Committee  
Committee on Government Relations

Clare Bruff  
Manager, Volunteer Leadership Development  
ASME

Kenneth Ball  
Dean of Engineering  
George Mason University

Joseph Budzinski  
Member  
Industry Advisory Board

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Jeff Burnstein  
Member  
Robotics Public Policy Task Force

Gretchen Crutchfield  
Development Specialist  
ASME

Bond Calloway  
President  
AIChE

Brian Denton  
President  
INFORMS

Melissa Carl  
Manager, Public Affairs  
ASME

David DeYoung  
President  
The Minerals, Metals, and Materials Society

Paul Cleri  
Director, Technology Development  
ASME

Gene Dinkins  
Past Chair  
NCEES

Katie Correll  
ECLIPSE Intern  
ASME

Andrea Eales  
Director of Government Affairs  
American Public Works Association

Eric Cosman  
Executive Board  
International Society of Automation

Arielle Eiser  
Senior Manager, Government Relations  
NSPE

Kevin Costa  
Chair  
Bioengineering Public Policy Task Force

Ebele Ejiofor  
ECLIPSE Intern  
ASME

Wendy Cowan  
Executive Director  
AAES

Paul Fakes  
Senior Government Relations Representative  
ASME

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<td>Samantha Fijacko</td>
<td>Government Relations Representative, ASME</td>
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<td>Michael Foss</td>
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<td>Tommy Gardner</td>
<td>Co-chair, Policy Committee, Committee on Government Relations/Industry Advisory Board</td>
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<tr>
<td>Elena Gerstmann</td>
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