

AMERICAN NATIONAL STANDARDS INSTITUTE

# Awards Banquet and Ceremony

NOVEMBER 6, 2019 ~ WASHINGTON, DC



# Schedule of Activities

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## RECEPTION

WELCOME      **GP Russ Chaney, Master of Ceremonies**  
*Chair, ANSI Board of Directors*

## PRESENTATION OF AWARDS

### MERITORIOUS SERVICE AWARDS

**Hae Choe**  
*AAMI*

**Jonathan Colby**  
*Verdant Power*

**Jessica Evans**  
*NSF International*

**Dr. Eric Grulke**  
*University of Kentucky*

**Robert Kretschmann**  
*Rockwell Automation*

**Evans Massey**  
*ABB Motors and Mechanical, Inc.*

**Florence Otieno**  
*Telecommunications Industry Association*

**Peter Pondillo**  
*Corning Incorporated*

**Dr. Angela Hight Walker**  
*National Institute of Standards and Technology*

**Joint International Team Award**  
*U.S. Consumer Product Safety Commission*  
*Health Canada*  
*Procuraduría Federal del Consumidor*

# Schedule of Activities

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DINNER SERVICE

PRESENTATION OF AWARDS (CONTINUED)

NEXT GENERATION AWARDS

**Peter Bittner**

*Constellium Rolled Products*

**Carrie Schmaus**

*U.S. Department of Energy*

**Dr. Paul Witherell**

*National Institute of Standards and Technology*

PRESIDENT'S AWARD FOR JOURNALISM

**AAMI Communications Staff**

GEORGE S. WHAM LEADERSHIP MEDAL

**Captain Scott A. Colburn**

*U.S. Food and Drug Administration*

ELIHU THOMSON ELECTROTECHNOLOGY MEDAL

**Mark Earley**

*National Fire Protection Association*

GERALD H. RITTERBUSCH CONFORMITY ASSESSMENT MEDAL

**Paul Moliski**

*Intertek*

# Schedule of Activities

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WORKFORCE DEVELOPMENT AND INNOVATION AWARD

**National Commission for the Certification of Crane Operators (NCCCO)**

MAUREEN BREITENBERG CONFORMITY ASSESSMENT RESEARCH MEDAL

**Lisa Carnahan and Amy Phelps**  
*National Institute of Standards and Technology*

EDWARD LOHSE INFORMATION TECHNOLOGY MEDAL

**Philip Wennblom**  
*Intel Corporation*

FINEGAN STANDARDS MEDAL

**William G. Lawrence**  
*FM Approvals LLC*

HOWARD COONLEY MEDAL

**Christian Dubay**  
*National Fire Protection Association*

ASTIN-POLK INTERNATIONAL STANDARDS MEDAL

**Renée Hancher**  
*Office of the U.S. Trade Representative*

CLOSING REMARKS AND ADJOURNMENT

# Banquet Menu

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## FIRST COURSE

*Warm Honey Flavored Bread and Rolls*

*Baby Romaine Lettuce, Brioche Crouton Pincho, Melted Pecorino Cheese, Caesar Cardini Dressing, Goat Cheese Crostini with Sun Dried Tomato*

## ENTRÉE

*Duet of Fillet of Black Bass with Chimichurri Sauce and Seared Mustard Crusted Filet of Beef served with Corn Succotash, Roasted Turnip, Red Onion, Cherry Tomatoes, Carnival Cauliflower and Pea Tendrils*

## VEGETARIAN SELECTION (AVAILABLE UPON REQUEST)

*Vegetable Wellington, Roasted Red Pepper Sauce*

## DESSERT

*S'mores: Warm Hot Chocolate Cake, Marshmallow Fluff, Chocolate Mousse and Graham Cracker Ice Cream  
Coffee and Herbal Tea Selection*

## WINE SERVICE

*Canyon Road Chardonnay  
Sycamore Lane Cabernet Sauvignon*

# 2019 ANSI Leadership and Service Awards

# Meritorious Service Awards

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The Meritorious Service Awards are presented to individuals who have a record of significant contributions to voluntary standardization and who have demonstrated outstanding service in enabling the American National Standards Institute to attain the objectives for which it was founded.

## RECENT RECIPIENTS

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Thomas Blewitt ('18)  
*UL*

James Bress ('18)  
*AST Technology Labs, Inc.*

Lori Gillespie ('18)  
*ANAB*

Paul Green ('18)  
*Intel Corporation*

Jim Jetter ('18)  
*U.S. Environmental Protection  
Agency*

Eileen Hill ('18)  
*International Trade Administration,  
U.S. Department of Commerce*

Marsha Mazz ('18)  
*U.S. Access Board (retired)*

Joe Musso ('18)  
*UL*

Stephen Rood ('18)  
*Legrand North America*

Jianchao Zeng, Ph.D. ('18)  
*U.S. Food and Drug Administration  
Center for Devices and  
Radiological Health*





# Hae Choe

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**H**ae Choe, director of standards for the Association for the Advancement of Medical Instrumentation (AAMI), has extensive experience in the policies and procedures of many standards organizations including ANSI, the International Electrotechnical Commission (IEC), the International Organization for Standardization (ISO), and the U.S. National Committee of the IEC (USNC), in addition to AAMI. Working with experts from industry, health care professionals, academia, and government, Ms. Choe has participated in and led committees that have developed more than 150 national and international standards.

Ms. Choe's international experience includes serving as the secretary of IEC Subcommittee (SC) 62A, *Common aspects of electrical equipment used in medical practice*, managing over 30 projects, and IEC SC 62D, *Electromedical equipment*, managing over 80 projects and effectively guiding in the creation of numerous electromedical standards that are of critical importance to patient safety.

Nationally, Ms. Choe serves as the technical advisor and Technical Advisory Group (TAG) secretary for the U.S. TAGs for IEC technical committee (TC) 62, *Electrical equipment in medical practice*, SC 62A, and SC 62D. She is a member of the ANSI Board of Standards Review (BSR), the USNC/ANSI Technical Management Committee (TMC), the IEC Standardization Management Board (SMB)'s Strategic Group 13, the Society for Standards Professionals (SES), and the American Society of Association Executives (ASAE). She has shared her expertise speaking at workshops regarding standards to other TAG administrators as well as young professionals and students.



# Jonathan Colby

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Jonathan Colby, director of technical performance at Verdant Power, has taken on a leadership role in standards and development since joining the organization in 2006 as a hydrodynamic engineer. Through the momentum of his work, Verdant Power has since adopted a standards culture, incorporating the use of standards into all technical and business planning.

Mr. Colby's work at Verdant supports a broad range of activities to successfully demonstrate marine energy generation and the operation of grid-connected tidal energy converters, including the assessment of power performance at Verdant's Roosevelt Island Tidal Energy (RITE) Project, the first tidal energy project to receive a federal commercial license in the United States.

Additionally, Mr. Colby is actively involved in the development of international standards and conformity assessment systems through the IEC, currently serving as the Chair for International Electrotechnical Commission (IEC) Technical Committee (TC) 114, *Marine energy*, and as the Chair for the Marine Energy Operational Management Committee (ME-OMC) under the IEC System for Certification to Standards Relating to Equipment for Use in Renewable Energy Applications (IECRE). He is also actively involved in the U.S. National Committee of the IEC (USNC) as a member of the USNC Technical Management Committee (TMC) and Conformity Assessment Policy Coordination Committee (CAPCC), among others.

Mr. Colby was the recipient of ANSI's Next Generation Award in 2012.



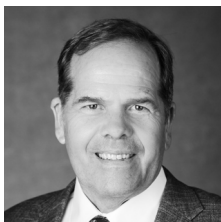
# Jessica Evans

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Jessica Evans, director of the standards development team at NSF International, has more than 15 years of experience at NSF in business development, project management, standards development, and leadership positions. An ardent supporter of standardization, she leads a team that oversees development and maintenance of more than 80 NSF American National Standards for dietary supplements, drinking water, food safety, and sustainability practices, among other areas. Ms. Evans also managed the certification of products used in food processing facilities, with more than 12,000 registered products. Prior to that, she was a leader in the NSF dietary supplements certification program, focused on the testing and auditing of dietary supplements.

Ms. Evans has served on the ANSI Executive Standards Council since 2013, and the Standards Council of Canada's Standards Development Organizations Advisory Committee. For over six years, Jessica has led the standards development team that oversees development and maintenance of more than 80 NSF/ANSI Standards covering food, water, sustainability, and health sciences. She is dedicated to engaging regulators, public health officials, and other stakeholders, helping them to understand the value and importance of standards as well as the need for transparency in standards development.

Ms. Evans holds a degree in supply chain management from Michigan State University. Prior to joining NSF, she held supply chain management roles with Fortune 500 companies working in the aerospace, automotive, and health care industries.



# Eric Grulke

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**D**r. Eric Grulke, professor for the Department of Chemical and Materials Engineering and director of the Electron Microscopy Center at the University of Kentucky, began his work with standards in 2000, when his research interests became focused on synthesis and applications of nanoparticles. At that time, there was high variability in how nanoparticles were characterized, both by academic researchers doing fundamental work and industry suppliers providing new products for nanotechnology applications. The lack of measurement standards hindered the development of the nanomaterial industry, and it was clear to Dr. Grulke that measurement standards needed to be developed in concert with these new materials and new applications. When invited to participate in standards work in his research area, he enthusiastically embraced the opportunity.

Dr. Grulke's 45-year professional career spans the field of chemical engineering both in industry and in academia. He is a member of the ANSI-accredited U.S. Technical Advisory Group (TAG) to the International Organization for Standardization (ISO) Technical Committee (TC) 229, *Nanotechnologies*, which sets global standards for nanotechnology measurement and instrumentation. His work at the University of Kentucky and with TC 229 led to an international standard for transmission electron microscopy, a standard viewed as critically important by ISO, the Organization for Economic Cooperation and Development (OECD), the European Committee for Standardization (CEN), and others for characterization of nanoparticles for commercial and regulatory purposes. Throughout his academic career, his research program collaborated with researchers at the National Institute of Standards and Technology (NIST) and received funding from government agencies and numerous corporations.

Dr. Grulke received his undergraduate, graduate, and doctoral degrees in chemical engineering from The Ohio State University.



# Robert Kretschmann

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**R**obert Kretschmann, senior principal engineer for Rockwell Automation, brings his extensive background in industrial automation to his work in the standards community, particularly as chair of the International Organization for Standardization (ISO) Technical Committee (TC) 65, *Industrial-process measurement, control, and automation*, Subcommittee (SC) 65A, *System aspects*. His expertise in multiple areas of industrial automation, spanning architecture creation, system and product design, development and management, advanced research and internal consulting, have given him a deep understanding of the impact that standards can have on the industry — knowledge that has translated to his serving as a mentor for many in the community.

Throughout the course of his career, Mr. Kretschmann gained 78 U.S. patents and authored numerous articles, books, and papers on the subject of industrial automation. He also served in the U.S. Air Force for five years. He has served on several International Electrotechnical Commission (IEC), U.S. National Committee to the IEC (USNC), and National Electrical Manufacturers Association (NEMA) working groups and committees, engaging as a convenor, expert, and technical advisor.

Mr. Kretschmann is a member of IEEE and the International Society of Automation (ISA), and earned his undergraduate and graduate degrees in electrical engineering from the University of Dayton.



# Evans Massey

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Evans Massey, manager of standards and certification for ABB Motors and Mechanical, Inc. (formerly Baldor Electric Company and Reliance Electric Company/Rockwell Automation), has dedicated much of his 20 years with the organization to standards development, conformity assessment, and staff training for both the North American and export markets. Prior to that, he worked 18 years in product development and product safety certification for an appliance manufacturer.

Mr. Massey is active in the International Electrotechnical Commission (IEC) Technical Committee (TC) 31, *Equipment for explosive atmospheres*, and serves as Convenor for TC 31 Working Group 27, *Electric machines*, which is the IEC horizontal working group responsible for providing expert motor advice to the hazardous location standards developed by TC 31. He also serves on the UL Standards Technical Panels for the U.S. adoptions of these IEC standards, and for electric motors used in ordinary locations as well as explosive atmospheres. He has been active since 2003 in USNC IECEx, the International Certification System for equipment used in hazardous locations / explosive atmospheres, where he currently serves as chair. He is also a member of the NFPA National Electrical Code Committee CMP-14.

Mr. Massey received his undergraduate degree in mechanical engineering from Clemson University.



# Florence Otieno

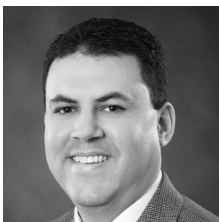
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Florence Otieno, director of international standards programs at the Telecommunications Industry Association (TIA), is a seasoned leader with more than 19 years of experience in managing several U.S. Technical Advisory Groups (TAGs). Her work has led TIA's involvement in international standards, providing U.S. expert input and representing U.S. industry interests for more than 1,000 international standards and technical reports developed by International Electrotechnical Commission (IEC) and International Organization for Standardization (ISO) committees.

Since June of 2000, Ms. Otieno has served as the U.S. TAG secretary and administrator for 13 TAGs while also representing TIA as an ambassador. As U.S. TAG secretary to ISO/IEC JTC 1/SC 25, *Interconnection of information technology equipment*, Ms. Otieno helped create globally standardized IT cabling infrastructure requirements, which are harmonized with U.S.-based standards. She is credited with developing and implementing an effective vision for member services and policies that have grown U.S. TAG membership and engagement, and was commended for her role in transferring the Secretariat of IEC SC 46F, *RF and microwave passive components*, from France to the U.S.

Ms. Otieno is a 2013 recipient of the International Committee for Information Technology Standards (INCITS) Merit Award, honoring her for having provided outstanding service to the INCITS organization through committee work. At TIA, she has been recognized several times with the "Getting Things Done Award" for her outstanding ability to see tasks through.

A former diplomat, Ms. Otieno is fluent in French and graduated from the University of Grenoble, France.



# Peter Pondillo

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**P**eter Pondillo, senior manager, standards and policy for Corning, is responsible for Corning's Global Technology & Industry Standard (GTIS) management and operations as well as the development, coordination, and communication of Corning's standards strategy across the company's optical fiber, cabling, and consumer products.

Mr. Pondillo holds many leadership roles within the standards community: convenor of the International Electrotechnical Commission (IEC) Subcommittee (SC) 86A, *Fibres and cables*, Working Group (WG) 1, *Fibres and associated measuring methods*, liaison officer for the International Telecommunications Union Telecommunications Standardization Sector (ITU-T) Study Group (SG) 15 and IEC SC 86C, *Fibre optic systems and active devices*, U.S. Deputy Technical Advisor for the IEC SC 86A, and U.S. National Committee to the IEC (USNC) council member. As the leader of the USNC Strategic Plan Task Force, Mr. Pondillo oversaw the development of a complete and linked USNC strategy, as well as a plan for communicating this strategy — delivering on an important goal for the USNC.

Over the course of his 20 years at Corning, Mr. Pondillo has worked within the Corning Display Technologies (CDT) and Corning Optical Fiber (COF) divisions. While in COF, he led the technical modeling efforts defining bandwidth and link length requirements for fiber-optic LAN architectures and participated in the development of IEEE 802.3ae HSSG standards and a Telecommunications Industry Association (TIA) fiber optics standards group.

Mr. Pondillo received an undergraduate degree in physics from Allegheny College and a graduate degree from Tufts University in electrical engineering, specializing in electro-optics.





# Angela Hight Walker

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**D**r. Angela Hight Walker, senior scientist and project leader at the National Institute of Standards and Technology (NIST), has been an engaged technical expert and chair to the U.S. Technical Advisory Group (TAG) Joint Working Group (JWG) 2 for the International Organization for Standardization (ISO) Technical Committee (TC) 229, *Nanotechnologies*, for more than a decade.

As a project leader at NIST, Dr. Hight Walker's research team has developed resonance Raman capabilities and unique hyphenated Raman techniques such as atomic force microscopy (AFM)-Raman and magneto-Raman, where the nanomaterials are probed as a function of laser wavelength, temperature, magnetic field, and back gating. Within the standards community, Dr. Hight Walker is an effective leader, championing the development of science-based consensus positions in the areas of metrology and characterization. She works closely with international experts to assure that documents developed within the JWG are of the highest level of scientific accuracy, and has collaborated with experts to develop a matrix of characterization and measurement techniques in the area of graphene that serves as a guide for developing future international standards.

An issue of great importance to Dr. Hight Walker is encouraging the young and underrepresented to participate in science. Through on- and off-site demonstrations and lectures, she actively engages in promoting the excitement of science. Recruiting, promoting, and mentoring undergraduate students and postdoctoral researchers is a passion, and Dr. Hight Walker has hosted 15 National Research Council postdoctoral fellows and countless students in her lab during her 25-year career at NIST. She has also served as a mentor to many project leaders in the U.S., providing guidance and technical support that advances U.S. documents at the international level.



## Joint International Team: CPSC, Health Canada, PROFECO

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A joint team of three project safety agencies of North America resulted in first-of-its-kind consensus recommendations developed through an unprecedented initiative by the U.S. Consumer Product Safety Commission (CPSC), Health Canada, and Mexico's Consumer Protection Federal Agency, Procuraduría Federal Del Consumidor (PROFECO). These recommendations guide improved test methods for ensuring the safety of alternating current (AC) chargers and universal serial bus (USB) chargers.

The three organizations joined forces to develop tri-lateral letters to the standards development organizations in their three jurisdictions, outlining recommendations for new testing to assess the potential for fire and burn hazards from AC-powered chargers for small electronic devices. The consensus approach used by the organizations was the first example of a joint consumer project safety standard recommendation developed among multiple governments that are not members of a single administrative region.

Breaking new ground and providing a template for future initiatives, this collaboration demonstrated that multiple jurisdictions can develop consensus recommendations to improve voluntary safety standards with the combined contributions of their data and experience.

The following individuals contributed to this important effort:

*CPSC: Tilven Bernal, Randy Butturini, Robert Garrett, and Einstein Miller*

*Health Canada: Eric Bergevin, Stephen Drew, Tyler Goodier, Richard Hart, Franco LaRicca, and Martina Vorel*

*PROFECO: Agustin Adame, Carlos Cardenas, and Adriana Ruiz*



# Next Generation Awards

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The Next Generation Award honors an individual who has been engaged in voluntary consensus standardization or conformity assessment activities for less than eight years and who has, during this time, demonstrated vision, leadership, dedication, and significant contributions to his or her chosen field.

## RECENT RECIPIENTS

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Marianna Kramarikova ('16)  
*Telecommunications Industry  
Association (TIA)*

Joseph Spossey ('16)  
*Intertek Energy Services*

Christopher Dorr ('17)  
*Rockwell Automation*

Sun Gil Kim ('17)  
*Bill & Melinda Gates Foundation*

Andrew Northup ('17)  
*Medical Imaging and Technology  
Alliance*

Amy Phelps ('17)  
*National Institute for Standards  
and Technology*

Muhammad Ali ('18)  
*National Electrical Manufacturers  
Association*

Michal Chojnacky ('18)  
*National Institute for Standards  
and Technology*

Mayur Patel ('18)  
*Office of the U.S. Trade  
Representative*

Walter Zoller ('18)  
*Rockwell Automation*



# Peter Bittner

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**P**eter Bittner, senior standardization engineer for Constellium Rolled Products, has been involved in his organization's standards activities for the past six years. He is credited with bringing a fresh perspective to the standards development process that supports modern methods, while still respecting the value that standards and traditional methods of development provide to the industry.

Mr. Bittner is the Chair of ASTM International's B07.03 committee on aluminum wrought alloy products and vice chair of The Aluminum Association's Technical Committee (TC) on product standards. He is also active with the Metallic Materials Properties Development and Standardization (MMPDS) for aerospace design allowable development, where he serves as chair of the Materials and Test Services Steering group and vice chair of the Industry Steering Group.

Mr. Bittner holds an undergraduate degree in aerospace engineering from the University of Illinois Urbana Champaign, and graduate degree in mechanical and aerospace engineering from the Illinois Institute of Technology.



# Carrie Schmaus

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Carrie Schmaus, is an Office of Energy Efficiency and Renewable Energy (ORISE) science, technology, and policy fellow at the Water Power Technologies Office (WPTO) in the U.S. Department of Energy (DOE). She has contributed significantly to advancing the DOE's involvement in marine energy device standards development. Her work emphasizes the critical role the DOE can have in standards development, encouraging leadership within the department to ensure these activities remain a priority.

Ms. Schmaus is active in the International Electrotechnical Commission (IEC) Technical Committee (TC) 114, *Marine energy — Wave, tidal, and other water current converters*, and works closely with the committee chair to produce educational materials for potential members of the TC that explain the responsibilities and benefits of participation. Her work is helping to shape the U.S. government's involvement in marine energy technology standards development, with her active participation in all quarterly Technical Advisory Group (TAG) meetings for IEC TC 114 as well as international plenary meetings.

Ms. Schmaus was selected to participate in IEC's Young Professionals Programme in 2018, and attended the IEC Young Professionals Workshop at the 82nd IEC General Meeting in Busan, South Korea in October 2018.

Ms. Schmaus earned a graduate degree in marine affairs from the School of Marine and Environmental Affairs at the University of Washington after graduating Phi Beta Kappa from Wittenberg University with an undergraduate degree in biology and a minor in marine science.



# Paul Witherell

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**D**r. Paul Witherell, mechanical engineer in the systems integration division of the engineering laboratory at the National Institute of Standards and Technology (NIST), has developed an in-depth knowledge of the standards arena in the past several years, offering contributions that have been integral to the American Society of Mechanical Engineers' (ASME) first standard in additive manufacturing.

In 2016, Dr. Witherell was selected to participate ASME's Early Career Leadership Intern Program to Serve Engineering (ECLIPSE), and interned on the ASME Council on Standards and Certification. With insight gained from these experiences, he served as a rotational staff member in the NIST Program Coordination Office in 2018, growing into a highly regarded expert in the policy aspects of standards and the important roles that standards play in society. He is active in the joint ASTM F42/ the International Organization for Standardization (ISO) Technical Committee (TC) 261, *Additive manufacturing*, standards efforts, and is Vice Chair of ASME's Y14.46 Subcommittee on Product Definition for Additive Manufacturing, providing technical leadership, identifying gaps in standardization relating to additive manufacturing, and giving numerous talks and participating in panels. He has also served as the instructor for ASME's 2019 advanced manufacturing workshop in Querétaro, Mexico.

Dr. Witherell has won awards in two ANSI-SES World Standards Day paper competitions. He holds undergraduate, graduate, and doctoral degrees in mechanical engineering from the University of Massachusetts.

# President's Award for Journalism

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The President's Award for Journalism honors journalists whose work helps to illuminate the role that standardization and conformity assessment activities play in improving the health and safety of Americans and in strengthening the competitiveness of U.S. business in a global marketplace.

## RECENT RECIPIENTS

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Andrew Updegrove ('05)  
*Consortium Standards  
Bulletin*

Eric Lai ('08)  
*Computerworld, Inc.*

Scott Adams ('10)  
*Creator of the Dilbert cartoon*

Diane C. Thompson, ('11)  
*Standards Engineering*

Stephen Oksala, ('15)  
*Oksala Consulting*  
*ASTM Standardization News ('16)*  
*NFPA Journal Editorial Team ('18)*





# AAMI

## Communications Staff

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The AAMI communications team approaches its coverage of standards with an appreciation for the fact that behind these documents are people who are dedicated to improving the world around us. Standards tell the story of professionals who face challenges and see opportunities, professionals who are committed to advancing their fields, professionals who seek to find solutions, and professionals who believe that by working together, the end result will be stronger.

At AAMI, the focus is on standards for medical devices and health technology. With a peer-reviewed journal, multiple newsletters, podcasts, blog, and social media platforms, the communications team seeks to explain both the development of standards and the practical impact of their use — improving healthcare, supporting innovation, and saving lives. They love telling the stories of those inspiring professionals who devote their time to development of voluntary consensus standards.

The team includes Sean Loughlin, AAMI's vice president of communications and marketing; Gavin Stern, director of communications; Barbara Saxton, production director; Joe Sheffer, managing editor; Melissa Coates, managing editor (production); and Marielyn Cobero, graphic designer. Of note, Amber Logan was an integral member of the team, serving as communications director and news editor for several years before departing for another job in May 2019.

# George S. Wham Leadership Medal

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The George S. Wham Leadership Medal honors outstanding contributions by an individual who has provided direction and long-range planning to the ANSI Federation in commitment and support of the national and/or international standards system or in a specific area of voluntary standardization.

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## RECENT RECIPIENTS

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Frank M. Coda ('04)  
*American Society of Heating,  
Refrigeration, and Air-  
Conditioning Engineers*

Nina McClelland ('05)  
*Nina McClelland LLC*

Oliver R. Smoot ('06)  
*Information Technology Industry  
Council*

John V. Bergen, Ph.D. ('07)  
*NCCLS (retired)*

Mary C. McKiel, Ph.D. ('08)  
*U.S. Environmental Protection  
Agency*

Stephen Oksala ('09)  
*Society of Cable  
Telecommunications Engineers*

George Arnold ('10)  
*National Institute of Standards  
and Technology*

Mary H. Saunders ('11)  
*National Institute of Standards  
and Technology*

Robert W. Noth ('12)  
*Deere & Company*

Laura Hitchcock ('13)  
*The Boeing Company*

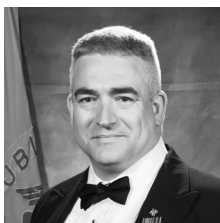
Maureen Brodoff ('14)  
*National Fire Protection  
Association*

James Thomas ('15)  
*ASTM International*

James Pauley ('16)  
*National Fire Protection  
Association*

Mary Logan ('17)  
*AAMI*

Neil Bogatz ('18)  
*IAPMO*



# Captain Scott A. Colburn

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Captain Scott A. Colburn, director of the standards and conformity assessment program at the U.S. Food and Drug Administration's Center for Devices and Radiological Health (CDRH), is responsible for the Center's standards recognition and related development activities in more than 600 national and international consensus standards committees. In addition, Captain Colburn oversees the program's new Accreditation Scheme for Conformity Assessment (ASCA) pilot program and the Center's efforts in optimizing standards for regulatory authorities within the International Medical Device Regulators Forum (IMDRF).

Captain Colburn has been a strong leader in international standards promotion through his participation in the International Electrotechnical Commission (IEC), particularly on their Market Strategy Board (MSB).

He has served in numerous roles in the area of premarket review and voluntary consensus standards development and implementation for medical devices, is a member of several national and international standards organizations, and sits on several policy and leadership committees. Captain Colburn is an enthusiastic supporter of international standards, and uses his expertise to leverage the power of standards to protect and promote public health and enhance the CDRH's regulatory processes while promoting global harmonization. He expanded CDRH's standards program to include a new conformity assessment initiative, aiming to provide a voluntary pathway for quality device testing against a select set of international standards.

He has been a member of many ANSI committees, as well as other standards organizations' committees including the ASTM International Board of Directors and the Association for the Advancement of Medical Instrumentation (AAMI) Standards Board.

# Elihu Thomson

## Electrotechnology Medal

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The Elihu Thomson Electrotechnology Medal honors an individual who has contributed in an exceptional, dedicated way to the field of electrotechnology standardization, conformity assessment, and related activities via the International Electrotechnical Commission (IEC), the U.S. National Committee (USNC) of the IEC, and/or other such bodies. The Medal was introduced in 2007.

### RECENT RECIPIENTS

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Jack Wells ('07)  
*Pass & Seymour/Legrand*

Joseph L. Koepfinger ('08)  
*Koepfinger Consulting*

John Rennie ('09)  
*FM Global Technologies (retired)*

Charles C. Packard ('10)  
*Electronic Components  
Certification Board*

Ralph M. Showers, Ph.D. ('11)  
*University of Pennsylvania*

Ronald H. Reimer ('12)  
*Rockwell Automation*

Lawrence Farr ('13)  
*Eaton*

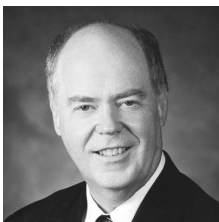
John Goodsell ('14)  
*Hubbell, Inc. (retired)*

James Matthews, III ('15)  
*Corning Incorporated*

Alec McMillan ('16)  
*Rockwell Automation*

Don Heirman ('17)  
*Don Heirman Consultants*

Sonya Bird ('18)  
*UL*



# Mark W. Earley

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**M**ark W. Earley, recently retired chief electrical engineer at the National Fire Protection Association (NFPA), has been a critical contributor to the National Electrical Code (NEC) for more than a decade. As NFPA's former staff liaison to the NEC, he created panels to develop each year's edition of the code and was editor-in-chief for the National Electrical Code Handbook. Mr. Earley is the co-author of the NFPA reference book *Electrical Installations in Hazardous Locations*.

Mr. Earley promotes education and understanding of the NEC, authoring a column for the National Electrical Contractors Association's (NECA) monthly magazine, *Electrical Contractor*. He has served on several of NFPA's electrical committees and NEC code-making panels, and is a member of the International Association of Electrical Inspectors (IAEI), the Institute of Electrical and Electronics Engineers (IEEE), the Society of Fire Protection Engineers (SFPE), the Automatic Fire Alarm Association (AFAA), the Underwriters Laboratories (UL) Electrical Council, the U.S. National Committee of IEC (USNC), and the Canadian Electrical Code, Part 1 Committee.

Many organizations have acknowledged Mr. Earley's contributions to the electrical code over the years. He was the recipient of two distinguished service awards from the USNC; ANSI's Meritorious Service Award; two awards for outstanding service to the electrical industry from NECA and the International Brotherhood of Electrical Workers (IBEW); and the honorary Artie's Apple Award from the Southwestern Section of IAEI, in recognition of his dedication and exemplary efforts toward education. He received the Richard G. Biermann Award for outstanding service to the National Electrical Code. Recently, Mr. Earley was named an honorary life member of the USNC.

# Gerald H. Ritterbusch Conformity Assessment Medal

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The Gerald H. Ritterbusch Conformity Assessment Medal honors distinguished service in promoting the understanding and application of conformity assessment methods as a means of providing confidence in standards compliance for the marketplace. The award is named for Gerald H. Ritterbusch, retired director of standards and regulations at Caterpillar, and was introduced in 2010.

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## RECENT RECIPIENTS

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Gerald H. Ritterbusch ('10) <i>Caterpillar</i>	Patricia Gleason ('15) <i>Safety Equipment Institute</i>
Keith A. Mowry ('11) <i>Underwriters Laboratories</i>	Timothy Duffy ('16) <i>Rockwell Automation</i>
Gordon Gillerman ('12) <i>National Institute of Standards and Technology</i>	William S. Hurst ('17) <i>Federal Communications Commission</i>
Peter Unger ('13) <i>American Association for Laboratory Accreditation</i>	Jay Pendergrass ('17) <i>Environmental Law Institute</i>
Richard W. Church ('14) <i>Plastic Pipe and Fittings Association</i>	Randy Dougherty ('18) <i>ANAB</i>
	Steven T. Margis ('18) <i>UL</i>



# Paul Moliski

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**P**aul Moliski, vice president of accreditation and Latin America for the electrical global business line for Intertek, has demonstrated deep commitment to conformity assessment and supporting a balanced approach that considers the goals of suppliers, certification bodies, and the U.S. National Committee (USNC) of the International Electrotechnical Commission (IEC).

At Intertek, Mr. Moliski has been a crucial player in the development and acceptance of the ETL Product Certification Program, which grew to become the second largest certification program of its kind in North America and is now a global organization of more than 10,000 listed companies. He consistently works cross-divisionally to support the development of accreditations and advocating for a diversity of interests at committees, enlisting and supporting industry participation in the USNC/IEC system of conformity assessment schemes for Electrotechnical Equipment and Components, (IECEE).

A current member on ANSI's Board of Directors, Mr. Moliski also represents Intertek on several committees, including the USNC/IECEE as the Co-Vice Chair, the USNC Council, the International Accreditation Forum (IAF), and the International Federation of Inspection Agencies (IFIA). He is currently the Chair of the ANSI Regional Standards Committee for the Americas and U.S. delegate to the Pan American Standards Commission (COPANT) and the Forum of the IEC National Committees of the Americas (FINCA). Prior to serving on these committees, Mr. Moliski was a member of the ANSI Executive Standards Council, ANSI Accreditation Committee Chair, and IECEE Working Group (WG) Chair. He has served as the U.S. technical expert on various ISO/CASCO working groups.

Mr. Moliski was a recipient of an ANSI Meritorious Service Award in 2004. He earned an undergraduate degree in business marketing from the State University of New York, and completed the UCLA Executive Program.

# Maureen Breitenberg Conformity Assessment Research Medal

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The Maureen Breitenberg Conformity Assessment Research Medal honors distinguished research in the field of conformity assessment. Published research papers or articles from business, industry, government, academic, or non-profit professionals that illuminate the importance of conformance in providing confidence in standards compliance, improving the health and safety of Americans, and strengthening the competitiveness of U.S. business in the global marketplace are considered.

The award is named for the late Maureen Breitenberg, a valued leader and contributor to ANSI and the greater standards and conformity assessment community, who passed away in 2010. Ms. Breitenberg served as senior economist in the Standards Services Division of the National Institute of Standards and Technology (NIST). A prodigious author, her widely referenced publications on certification, conformity assessment, laboratory accreditation, and U.S. and international standardization activities have been recognized as primers for anyone entering these fields.

This medal was introduced in 2019.





## Lisa Carnahan & Amy Phelps

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**L**isa Carnahan and Amy Phelps, computer scientists at the National Institute of Standards and Technology (NIST), are jointly recognized for their significant contributions to enhancing national and international interests with conformity assessment activities.

Ms. Carnahan is currently responsible for helping to develop conformity assessment programs within the federal government and the private sector to meet key national needs. Her key areas of focus include health information technology, cloud computing, cyber security, and personal protective technologies. Ms. Phelps advises federal agencies and other stakeholders on standards coordination and conformity assessment activities. Her work has focused on critical issues in the U.S., including cloud computing and healthcare information technology.

Ms. Carnahan and Ms. Phelps co-authored two NIST publications on conformity assessment. Both documents are critical in supporting NIST's mission to coordinate conformity assessment activities, as directed by the National Technology Transfer and Advancement Act of 1995. *NIST Special Publication 2000-1, ABC's of Conformity Assessment*, is a revision of Maureen Breitenberg's "*ABC's of the U.S. Conformity Assessment System* (1997)."

Ms. Carnahan and Ms. Phelps also co-authored NIST Special Publication 2000-2, *Conformity Assessment Considerations for Federal Agencies*. This document extends the basic concepts in SP 2000-1, providing those not fully familiar with the field of conformity assessment an introduction to the complexities in developing, operating, using, or relying on conformity assessment programs to meet federal legislation or federal government agency missions, regulations, or procurement requirements. They worked closely with private and public sectors to ensure that all inputs were considered, and that the documents accurately reflect terminology and practices currently used globally to effectively facilitate trade and ensure product compliance. The publications have been recognized as valuable tools for both U.S. government and private sector stakeholders, and are cited in the American Council of Independent Laboratories Policy Pillars.

Ms. Carnahan and Ms. Phelps also contributed significantly to programs of the U.S. Food & Drug Administration (FDA), such as redeveloping a more efficient approach to operating the CDRH Unique Device Identifier (UDI) program, and providing key input on the development of the Accreditation Scheme for Conformity Assessment (ASCA) pilot program. Ms. Carnahan's work has supported the National Institute for Occupational Safety and Health (NIOSH) National Personal Protective Technology Laboratory (NPPTL), contributing to the establishment of a Personal Protective Equipment (PPE) Conformity Assessment Framework for the nation.

Ms. Phelps was the recipient of ANSI's Next Generation Award in 2017.

# Workforce Development and Innovation Award

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The Workforce Development and Innovation Award recognizes exemplary accredited credentialing bodies that significantly impact workforce development in the United States. The recipient organization is selected based on its contributions to: creating credentialing solutions that prepare workers for skilled and professional jobs, building partnerships with stakeholders, developing a skilled workforce, fostering innovative practices, and addressing the skills gap in the United States.

This award was introduced in 2019.



## The National Commission for the Certification of Crane Operators (NCCCO)

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The National Commission for the Certification of Crane Operators (NCCCO) has sought to improve the overall professionalism of the crane and rigging industry since its inception in 1995. The organization's development of a nationwide program for the certification of crane operators and related personnel has served to enhance the overall safety of the occupation, and elevate regard for the skill and knowledge required of a crane operator. NCCCO has issued more than 425,000 ANSI-accredited and OSHA-compliant certifications since 1995.

The organization operates many programs to promote and inform others of the profession, particularly to younger generations. NCCCO is a co-founder and sponsor of Lift & Move USA, a program that brings high-schoolers, teachers, and career counselors together to a one-day "open house," allowing them to experience the opportunities of the industry. The organization also participates in a mentor program that encourages high school students to pursue careers in architecture, construction, and engineering, and provides financial support for their continued success through scholarships and grants.

Beyond outreach to young adults, NCCCO also undertakes initiatives to reach out to veterans — an often overlooked source of high-quality, dedicated, and experienced potential employees. As a founding member of the Coalition for Professional Certification, NCCCO contributed to the expansion of the Montgomery G.I. Bill in 1999, allowing the bill to cover the reimbursement of certification fees for retiring military personnel. The organization also works with the American Legion, the Society of American Military Engineers, and the Call of Duty Endowment, connecting military veterans with opportunities for employment in the crane and rigging industries.

NCCCO recently established the NCCCO Foundation. This 501 (c)3 charitable organization promotes industry safety and workforce development by commissioning and conducting original research; educating about, and advocating for, personnel safety and certification; and facilitating access by youth, veterans and underserved communities to education, training and certification through scholarships and grants.

NCCCO has been an active participant in Workcred, an affiliate of ANSI, serving on Workcred's Credentialing Body Advisory Council.

# Edward Lohse

## Information Technology Medal

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The Edward Lohse Information Technology Medal honors an individual who has participated in the development of information technology standards both at the national and international levels, demonstrated leadership in the promotion of such standards within the information technology standards community and fostered cooperation among the bodies involved in global standardization.

### RECENT RECIPIENTS

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Michael D. Hogan ('03)  
*National Institute of Standards  
and Technology*

Richard L. Pescatore ('04)  
*Hewlett-Packard Company*

Albert P. Brazauski ('05)  
*Underwriters Laboratories Inc.*

Herbert Bertine ('06)  
*Lucent Technologies*

Karen Higginbottom ('07)  
*Hewlett-Packard Company*

Catherine J. Tilton ('08)  
*Daon*

Scott K. Jameson ('09)  
*Hewlett-Packard Company*

David K. Michael ('10)  
*Apple, Inc.*

Thomas Frost ('12)  
*AT&T (retired)*

Patrick Grother ('13)  
*National Institute of Standards  
and Technology*

Gary S. Robinson ('14)  
*EMC Corporation*

Gary Schrempp ('15)  
*Dell Inc.*

Jennifer Garner ('16)  
*INCITS Information Technology  
Industry Council*

Masood Shariff ('17)  
*CommScope Network Solutions*

Paul Jeran, ('18)  
*HP, Inc.*



# Philip Wennblom

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**P**hil Wennblom, senior director of standards policy for Intel Corporation, leads his team to set Intel standards policy positions and guides Intel representation in strategic standards setting organizations worldwide.

As Chair of the International Organization for Standardization (ISO)/International Electrotechnical Commission (IEC) Joint Technical Committee (JTC) 1, *Information technology*, Mr. Wennblom has made notable progress in the committee's initiatives, gaining support from ISO and IEC oversight committees to allow ISO document sharing with the European Patent Office, and to modify the ISO/IEC common patent policy to require specific patent identification when submitters of a patent declaration form decline to grant licenses on reasonable and non-discriminatory (RAND) terms.

Mr. Wennblom has supported the new JTC 1 subcommittee on artificial intelligence, successfully advocating that ISO and IEC oversight committees give authority to the new subcommittee to address societal concerns and big data standardization. His diplomatic and strategic vision is cited in helping the U.S. to successfully navigate difficult negotiations at JTC 1 plenary meetings.

Since 2002, Mr. Wennblom has represented Intel on the INCITS Executive Board, and he chaired the Board from 2013 through 2017. Mr. Wennblom is also a member of the Standardization Policy Committee of the Information Technology Industry Council (ITI) and served as its Chair from 2008 through 2017. Active in governance of the IEEE Standards Association since 2004, he currently serves on the IEEE Standards Association Standards Board and chairs the Patent Committee of the Standards Board.

# Finegan Standards Medal

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The Finegan Standards Medal honors an individual, not necessarily an executive, who has shown extraordinary leadership in the actual development and application of voluntary standards.

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## RECENT RECIPIENTS

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Richard D. Gast ('04)  
*Deere and Company*

Mark K. Eyer ('05)  
*Sony Electronics*

Ronald Petersen ('06)  
*RC Petersen Associates, LLC*

Daniel Roley ('07)  
*Caterpillar*

Alec McMillan ('08)  
*Rockwell Automation*

David L. McQuaid ('09)  
*D.L. McQuaid and Associates*

Albert (Chip) Pudims ('10)  
*Bryant Electric/Hubbell Inc.*  
*(retired)*

Richard DeBlasio ('11)  
*National Renewable Energy  
Laboratory*

Damian J. Kotecki, Ph.D. ('12)  
*Damian Kotecki Welding  
Consultants*

Aimee McKane ('13)  
*Lawrence Berkeley National  
Laboratory*

John Oblak ('14)  
*EF Johnson Technologies*

Steve Whitesell ('15)  
*Whitesell Consulting*

Kenneth Gettman ('16)  
*NEMA*

William Berger ('17)  
*ASME*

Allison Barnard Feeney ('18)  
*National Institute of Standards and  
Technology*



## William G. Lawrence

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William G. Lawrence, vice president of operations and principal engineer for the Hazardous Location Group of FM Approvals, has been involved with the examination and testing of equipment rated for use in hazardous (classified) locations for many years over his 35-year tenure with FM Approvals.

As the U.S. Technical Advisor to the International Electrotechnical Commission (IEC) Technical Committee (TC) 31, *Equipment for explosive atmospheres*, and as the Convenor for several IEC Standards, Mr. Lawrence has been a committed leader and tireless contributor to standards development and conformity assessment associated with electrical equipment rated for use in hazardous locations around the world. He has made significant contributions to improving safety, as well as expanding access to global markets.

Mr. Lawrence currently serves on the U.S. National Committee of the IEC (USNC) Technical Management Committee (TMC) and Conformity Assessment Policy Coordinating Committee (CAPCC). He holds numerous leadership and individual contributor positions on more than two dozen technical committees of the IEC, the National Fire Protection Association (NFPA), the Canadian Standards Association (CSA), and Underwriters Laboratories (UL), including serving on several standard technical panels of UL, the NFPA National Electrical Code Committee-Making Panel No. 14, the NFPA Committee on Electrical Equipment in Chemical Atmospheres, and the IEC System for Certification to Standards Relating to Equipment for Use in Explosive Atmospheres (IECEx).

Mr. Lawrence received an undergraduate degree in electrical engineering from Pennsylvania State University and is a registered professional engineer in the Commonwealth of Massachusetts.

# Howard Coonley Medal

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The Howard Coonley Medal honors an executive who has rendered great service to the national economy through voluntary standardization and conformity assessment and who has given outstanding support to standardization as a management tool.

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## RECENT RECIPIENTS

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Henry Line ('03)  
*Amp, Inc. (retired)*

Richard Green ('04)  
*CableLabs*

Malcolm O'Hagan ('05)  
*NEMA*

Donald Mader ('06)  
*Underwriters Laboratories Inc.*

Dan Bart ('07)  
*Telecommunications Industry Association*

Belinda L. Collins, Ph.D. ('08)  
*National Institute of Standards and Technology*

Gregory Saunders ('09)  
*U.S. Department of Defense*

Frank K. Kitzantides ('10)  
*NEMA*

Robert A. Williams ('11)  
*Underwriters Laboratories*

Edwin Piñero ('12)  
*Veolia Water North America*

Cynthia Fuller ('13)  
*Accredited Standards Committee X9*

August Schaefer ('14)  
*Underwriters Laboratories*

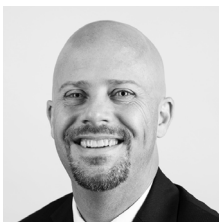
Paraskevas (Paris) Stavrianidis ('15)  
*FM Approvals LLC*

Colin Church ('16)  
*U.S. Consumer Product Safety Commission*

Sharon Stanford ('17)  
*American Dental Association*

James E. Matthews, III ('18)  
*Corning, Inc.*





# Christian Dubay

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Christian Dubay, vice president and chief engineer for the National Fire Protection Association (NFPA), has made countless contributions to the ANSI Federation over more than a decade. He has worked with NFPA for nearly 25 years, demonstrating a tremendous personal and professional commitment to advancing standards in the U.S. and abroad, and to promoting NFPA's voluntary consensus standards as solutions to safety and fire protection issues. He oversees NFPA's codes and standards administration, which is responsible for the development process of the more than 300 fire safety codes and standards that comprise the national fire codes.

Mr. Dubay is chair of the ANSI Executive Standards Council (ExSC) and serves on the ANSI Board of Directors. Among other leadership roles, he has served as the private-sector co-chair of the ANSI Homeland Defense and Security Standardization Collaborative (HDSSC). He has successfully and artfully navigated many challenges before the ANSI ExSC, both in the form of formal appeals and complaints, and as a neutral and fair leader in relation to complex issues, such as those related to ANSI's Patent Policy, conflict and duplication within the American National Standards (ANS) process, and revisions to a number of key procedural provisions initiated to ensure the relevancy and fairness of the ANS Process.

Widely recognized as a well-respected leader, innovator, and progressive advocate in the world of voluntary consensus standards, Mr. Dubay's energy and enthusiasm for all things standards is an important driver in advancing NFPA's mission, as well as ANSI's. He is known for generously sharing his time and expertise with other organizations and standards developers, in the furtherance of the U.S. standards system.

# Astin-Polk International Standards Medal

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The Astin-Polk International Standards Medal honors distinguished service in promoting trade and understanding among nations through personal participation in the advancement, development, or administration of international standardization, measurements, or certification.

## RECENT RECIPIENTS

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R. David Thomas ('03)  
*R.D. Thomas and Company*

Frank K. Kitzantides ('04)  
*NEMA*

Charles H. Piersall ('05)  
*Amadis Inc.*

Steven A. Seeker ('06)  
*ZBB Energy*

Kathleen (Kitty) Riley Kono ('07)  
*ASTM International*

Helen Delaney ('08)  
*Delaney Consulting, Ltd.*

June Ling ('09)  
*American Society of  
Mechanical Engineers*

Ileana Martinez ('10)  
*National Institute of Standards  
and Technology*

James E. Matthews, III ('11)  
*Corning Incorporated*

Judith L. Gorman ('12)  
*IEEE Standards Association*

John Siemon ('13)  
*Siemon Company*

Mary C. McKiel, Ph.D. ('14)  
*The McKiel Group*

Philip Piqueira ('15)  
*Underwriters Laboratories*

Wayne Morris ('16)  
*Association of Home Appliance  
Manufacturers*

James M. Shannon ('17)  
*International Electrotechnical  
Commission*

David Bergman ('18)  
*IPC, Association Connecting  
Electronics Industry*



# Renée Hancher

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**R**enée Hancher is director of regulatory policies in the Office of the World Trade Organization (WTO) and Multilateral Affairs at the Office of the United States Trade Representative (USTR). She serves as the USTR lead on Good Regulatory Practices (GRP) and covers GRP and regulatory cooperation matters in bilateral and regional trade negotiations, the WTO, the Asia Pacific Economic Cooperation (APEC) Forum, and the Organization for Economic Cooperation and Development (OECD). Before joining USTR this year, Ms. Hancher worked on standards, conformity assessment, technical barriers to trade and GRP issues at the U.S. Department of Commerce, International Trade Administration from 2005-2019.

She is recognized for her outstanding contributions to advancing U.S. goals on standards and regulatory work in the years she served in the International Trade Administration. Ms. Hancher showed unwavering commitment to fair and open trade among nations, working to progress international standards issues and earning the respect and trust of her counterparts in the U.S. and abroad. While at ITA, she was dedicated to ensuring that foreign markets, including those in the Middle East and North Africa, remained open to standards developed by U.S. standards developing organizations. ITA's Office of Middle East (OME) relied on her expertise for standards issues across sectors including automotive, building, and infrastructure. She was also instrumental in a previous role as standards lead at the U.S. Department of Commerce, where she led the establishment of a public-private partnership: The APEC Food Safety Cooperation Forum Partnership Training Institute Network (PTIN).

She has served as the key liaison between ANSI, U.S. industry, standards developing organizations, testing and certification bodies, code developers, and other stakeholders to resolve trade-related issues. Prior to joining the International Trade Administration, she spent 10 years directing the international trade work at the Air-Conditioning, Heating and Refrigeration Institute, an industry trade association.

Ms. Hancher holds an undergraduate degree in international studies from the American University and a graduate degree in international economics from Columbia University.

# Expression of Thanks

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The American National Standards Institute would like to thank everyone who submitted nominations for the 2019 ANSI Annual Leadership and Service Awards, and extends a special thanks to all who attended the ceremony to celebrate the work of our esteemed award recipients.

We also thank the members of the ANSI Board of Directors Awards Committee for their diligent efforts to review all the outstanding nominations and select this year's deserving recipients.

**GP Russ Chaney**, *Chair*

**Mary C. McKiel, Ph.D.**, *Vice Chair*

**David Miller**, *Vice Chair*

**Philip Piqueira**, *Vice Chair*

**Paris Stavrianidis**, *Vice Chair*

**Kevan P. Lawlor**, *Immediate Past Chair*

# Expression of Thanks

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