

IEEE SA STANDARDS
ASSOCIATION

2023

AWARDS CEREMONY



Congratulations to the IEEE SA 2023 award recipients for sharing their knowledge and expertise, reaching in with dedication and perseverance to find the best solutions, and always aspiring to raise the world's standards.

Provide a high-quality,
market-relevant
standardization environment,
respected worldwide.

2023 IEEE SA Awards Ceremony Program

Welcoming Remarks

James E. Matthews, President, IEEE Standards Association
Yatin Trivedi, Chair, IEEE Standards Association Awards
& Recognition Committee

2023 Awards Honorees

IEEE SA Standards Medallion.....5

Jyotika Athavale	John Haiying Lu
Alla Deronja	Kent Lusted
Eddie Forouzan	Sergio Rapuano
Joel Goergen	Kate A. Remley
Chad Jones	Michael Dean Sigmon Sr.
John Jendzurski	Torbjørn Skauli
Elizabeth Kochuparambil	Günter Steindl
Rui Li	Karla Trost
Douglas M. Logan	Miao Wang

The Ron Waxman Design Automation Standards Committee Meritorious Service Award25

Dave Rich
Japan Electronics and Information Technology Industries
Association (JEITA), Semiconductor System Solution Technical
Committee (SSS-TC)

IEEE SA Managing Director’s Special Recognition29

Maike Luiken

IEEE SA Standards Board Distinguished Service Award31

Daleep Mohla

IEEE SA International Award34

Dennis Brophy

IEEE SA Emerging Technology Award37

IEEE 1547.9 Working Group

IEEE SA Lifetime Achievement Award40

Jerome Blair
Leonardo Chiariglione
Paul Forquer
Ernie Gallo
Robert M. Grow

IEEE Charles Proteus Steinmetz Award47

Philip Wennblom



The IEEE SA Standards Medallion is awarded for outstanding achievement in the development and implementation of standards in electrotechnology. Recipients are selected solely on the basis of their accomplishments in standards work. They need not be members of IEEE, and their contributions may be to standards of other national and international standardization bodies, provided such standards are in the field of electrical and electronics engineering and constitute a significant contribution to the profession.

Recognition consists of a certificate as well as an IEEE SA Standards Medallion and engraved brass plate affixed to a marble paperweight.

Past Recipients

2022

Stephen Antosz
Sara R. Biyabani
Matt Brown
Cheng-Jen (Allen) Chen
Paul T. Congdon
Jeffrey A. Fordham
Ruth Lewis
Adam W Ley
Gary Nicholl
Mark Nowell
Yonghong Tian
Gary Touryan

2021

Bob Aiello
Edward Au
Matthew J. Butcher
Geoffrey Garner
S. Michael Gayle
Marc Holness
Peter Zollman

2020

János Farkas
Wenpeng Luan
Thomas A. Prevost
Peter Reid Wilson

2019

Doug Edwards
Kirsten Matheus
Pratap Mysore
Jeff Rearick
Duane Remein
Craig Schlenoff
James Edward Smith

2018

David Chalupsky
Roy D. Cideciyan
Paul R. Croll
Alan Flatman
Rich Kennedy
Bernard Metzler
Stephen Shull

2017

Mark Adamiak
Alfred Asterjadh
Jeffrey A. Burnworth
Carlos Cordeiro

Benjamin Cotts
Chengwei Dai
Victor Huang
Charles W. Johnson, Jr.
Glen Kramer
Leonardo Lima
Richard Mellitz
Bertrand Poulin
George Zimmerman

2016

Bruce B. Barrow
Kerry Blinco
Ted A. Burse
Carole C. Carey
Sudhakar E. Cherukupalli
Robert S. Fish
James R. Frysinger
Anthony Ki Cheong Ho
Abhay Karandikar
Brad Lehman
Michael J. Thompson
Mehmet Ulema
Michael W. Wactor
C.T. (Tim) Wall
Jan J. Wittenber

2015

William J. Bergman
Alfred Crouch
Chris DiMinico
Vinko Erceg
Alexander D. Gelman
Stephen Haddock
Apurva N. Mody
Paul S. Schluter

2014

Pete Anslow
Malcolm Clark
Jean-Philippe Faure
Norman Finn
Lowell Johnson
Jim LeClare
Ken Martin
Brian Reinhold
David Stone
Philip Winston

2013

Hanna Abdallah
Mike Bennett

Kenneth Brown
Christopher Clark
John D'Ambrosia
Wael Diab
Ramsis Girgis
Adam Healey
Oleg Logvinov
Albert Martin
Robin Tasker
James Wilson

2012

Douglas P. Bogia
Michael Champagne
Philip J. Hopkinson
James Liming
Robert S. Nowell
Purva R. Rajkotia
Anne-Marie Sahazizian
Adrian P. Stephens

2011

Tom Alderton
Thomas Basso
Jeffrey G. Gilbert
Connie Komomua
John E. Merando, Jr.
Michael Seavey
Frank Waterer

2010

James D. Allen
Percy E. Pool

2009

John L. (Jack) Cole
Guido Guertler
Michael Johas Teener

2008

Don O. Koval
Elliot Rappaport
Donald A. Voltz

2007

Raymond C. Hill
Susan K. Land
Carl Lindquist
Albert R. Martin
Michael Maytum
Arthur G. Varanelli

Additional past recipients: <https://standards.ieee.org/about/awards/med/index.html>

IEEE SA STANDARDS MEDALLION



Jyotika Athavale

RECOGNITION

For leadership, technical expertise, and guidance in the development of IEEE 2851-2023, IEEE Standard for Functional Safety Data Format for Interoperability Within the Dependability Lifecycle

HIGHLIGHTS

Jyotika Athavale is a Director and Principal Architect at Synopsys, leading silicon health and lifecycle management reliability, availability, and serviceability (RAS) architecture for automotive and data-center use cases. She will serve as the 2024 president of the IEEE Computer Society (CS), overseeing overall IEEE CS programs and operations. Jyotika chairs the IEEE P2851 family of standards on functional safety interoperability, which has working-group membership from more than 30 companies.

Prior to Synopsys, she was lead technologist, functional safety architecture at NVIDIA, driving capability development, safety architectures and methodologies, system safety engineering activities, and pathfinding for safety critical systems. Prior to NVIDIA, Jyotika was a principal engineer (director) at Intel Corporation, where she led corporate-wide RAS and functional safety methodologies and architectures for automotive, data center, and avionics use cases.

For her leadership in service, Jyotika was awarded the IEEE Computer Society Golden Core Award in 2022. She was also recognized as a Distinguished Alumna by her alma mater, Veermata Jijabai Technological Institute.

Jyotika has authored patents and many technical publications in various international conferences and journals, and has chaired workshops and conferences in the field of dependable technologies. She has a master's degree in electrical engineering from Iowa State University.

IEEE SA STANDARDS MEDALLION



Alla Deronja

RECOGNITION

For ongoing leadership and contributions to the development of standards in the field of power system protection

HIGHLIGHTS

Alla Deronja received her BS degree from Dniepropetrovsk Mining Institute (presently Dnipro University of Technology), Dnipro, Ukraine in 1991 and her MS degree from University of Wisconsin-Milwaukee in 2000, both in electrical power engineering. She joined ATC in 2001 as a System Protection Engineer and has been in this capacity ever since.

She is a registered Professional Engineer in the State of Wisconsin and a member of IEEE Power and Energy Society's Power System Relaying and Control (PSRC) Committee, actively contributing to the development of power system protection-related industry standards, reports, tutorials, and other technical documents. She especially enjoys participating in and leading the PSRC working groups that develop new or improve existing power system protection standards.

IEEE SA STANDARDS MEDALLION



Eddie Forouzan

RECOGNITION

For exceptional leadership and contributions to the development of IEEE 1725-2021, IEEE Standard for Rechargeable Batteries for Cellular Telephones

HIGHLIGHTS

Eddie Forouzan has more than 30 years of experience in research and development, product commercialization, general management, quality, engineering, and consulting. His areas of expertise include development of new, safe, and reliable energy systems for consumer applications and high volume production. He is an academically trained electrochemist who completed his postdoctoral training under the direction of Dr. Allen Bard at the University of Texas in Austin.

Since 2009, Eddie has headed ARTIN Engineering and Consulting Group, which specializes in testing and certification of consumer products for the purpose of energy system safety.

IEEE SA STANDARDS MEDALLION



Joel Goergen

RECOGNITION

For longtime technical contributions and leadership in the development of IEEE 802.3 Ethernet standards

HIGHLIGHTS

Joel Goergen is an Engineering Fellow for Cisco Systems, driving high-speed signaling systems and intelligent high-current power systems. Joel has 40 years of research experience in high-speed signaling/coding techniques and advanced power distribution architectures.

Prior to joining Cisco Systems, Joel headed research and development projects focused on advanced power systems and high-speed copper/optical signaling at Force10 Networks, Bell Labs, Ascend Communications, Transition Networks, and MTS Systems. Joel received a BSEE degree and a BA degree in mathematics from St. Cloud State University, and he actively participates in the IEEE P802 Working Group as well as in American National Standards Institute, Optical Internetworking Forum, and National Fire Protection Association National Electrical Code 70 standards bodies.

Joel is a tireless advocate for innovation and Women's Inventor Network++ programs. He holds 132 US patents and more than 60 international patents related to his work developing high-speed signaling technology and advanced power distribution systems used to support the transition from Gigabit Ethernet (GbE) through to 400/1000 GbE. His research in innovative design and manufacturing techniques is being used by many industry groups to define standards and architecture principles.

IEEE SA STANDARDS MEDALLION



Chad Jones

RECOGNITION

For contributions, leadership, and expertise in Power over Ethernet, combining power distribution with data networking

HIGHLIGHTS

Chad Jones is a Principal Hardware Engineer in the Enterprise Networking Group at Cisco Systems, where he has worked for the last 23 years. He spent the first 16 years at Cisco in the Aironet Wireless group, where he was first introduced to Power over Ethernet (PoE). Chad is now recognized as a subject matter expert in PoE and emerging smart powering methods.

Chad is an IEEE Senior Member and has participated in and chaired several IEEE 802.3 standards during his more than 20 years working on standards, including the three PoE standards within IEEE P802. Chad is a National Fire Protection Association member and has served as a principal on the National Electrical Code Code-Making Panel 3 since 2017. He holds more than 25 patents, most related to PoE and emerging smart powering.

Chad joined Cisco in 2000 after spending four years as an electrical engineer for a small LCD startup, which was his first job as an engineer after earning his BSEE with honors.

IEEE SA STANDARDS MEDALLION



John Jendzurski

RECOGNITION

For exceptional leadership in the development of a new IEEE performance and test method standard for down-the-road radar

HIGHLIGHTS

John Jendzurski is an Electrical Engineer at the U.S. National Institute of Standards and Technology (NIST), where he conducts research and standards development in traffic enforcement radar and lidar and through-barrier radar. He is currently the chair of IEEE Instrumentation and Measurement Society's Technical Committee 41, Traffic Enforcement Technologies, responsible for performance standards in down-the-road radar and lidar used in traffic enforcement.

IEEE SA STANDARDS MEDALLION



Elizabeth Kochuparambil

RECOGNITION

For impact and leadership in high-speed electrical interface IEEE 802.3 Ethernet standards

HIGHLIGHTS

Elizabeth Kochuparambil is a Technical Leader in Cisco's Common Hardware Group with a background in electrical interfaces and printed circuit board technology. Beth leads many innovation and cross-functional efforts within Cisco and the industry, such as chairing the IEEE P802.3ck 100G Electrical Task Force, mentoring local middle school girls in STEM, and leading Cisco's Women's Inventor Network.

IEEE SA STANDARDS MEDALLION



Rui Li

RECOGNITION

For contributions to the development of standards for energy-efficiency testing and evaluation of power fittings and conductors

HIGHLIGHTS

Rui Li is a Staff Scientist at the State Grid Corporation of China. Throughout the past decade, Rui has consistently focused on standardization work related to energy efficiency verification of electrical equipment and the application of safety protection for operators. His contributions encompass the formulation of product verification testing methodologies, the innovation and certification of testing equipment, and the adept execution of technical assessments and applications.

His achievements include leadership roles in two groundbreaking projects: IEEE 2747-2020, IEEE Guide for Energy Efficiency Technology Evaluation of Electric Power Fittings, and IEEE 2772-2021, IEEE Standard for Test Method for Energy Loss of Overhead Conductors. These standards offer vital validation tools for environmentally conscious product selection and the development of a sustainable, low-carbon power grid. Rui is a member of IEEE and ASTM International, and he participates in ISO/IEC standardization activities as well.

IEEE SA STANDARDS MEDALLION



Douglas M. Logan

RECOGNITION

For outstanding leadership in revising IEEE 762-2023 to include variable energy resources, also referred to as renewable generation

HIGHLIGHTS

Douglas M. Logan is an IEEE Senior Member with broad experience in the electric power industry, including generation, transmission, distribution, and regional power markets, focusing on system reliability, economics, and planning. He currently works as an independent consultant.

Douglas has been active in committees of the IEEE Power and Energy Society for more than 25 years, currently serving as chair of the IEEE P762 Working Group and as secretary of the Composite System Reliability Task Force. He is also President of the Board of Directors of Columbia Rural Electric Association, a distribution cooperative.

Overall, Douglas has worked for more than 40 years in multiple sectors of the power industry, including utility employment, consulting, and software development. His past clients include more than 75 organizations around the world, including investor-owned utilities, consumer-owned utilities, regulatory commissions, independent power producers, and large electricity consumers.

Douglas is also an educator, having served 10 years as dean of the Edward F. Cross School of Engineering at Walla Walla University, where he continues as an adjunct professor.

Douglas earned a BS degree in engineering at Walla Walla University and MS and PhD degrees in engineering-economic systems at Stanford University.



John Haiying Lu

RECOGNITION

For leadership in standardization in the area of unmanned aerial vehicle applications and communications

HIGHLIGHTS

John Haiying Lu is a Senior Engineer at China Electronics Standardization Institute. He is a veteran pioneer in establishing and developing standards in the electronics and information technology areas. John has been the chair of the IEEE Unmanned Aerial Vehicles Applications and Communication Standards Committee for several years and also part of the IEEE P1937, IEEE P1936, and IEEE P1939 Working Groups, three series of unmanned aircraft systems (UAS) standards categorized as drone technology, drone applications, and drone regulation.

John also chairs the IEEE Drone Application Certification Committee, which is forming a breakthrough conformity assessment program in drone-related fields, such as requirements of drone-payload interface, significantly influencing the development of the drone industry.

John also serves as the convener of International Organization for Standardization (ISO)/International Electrotechnical Commission Joint Technical Committee 1/ Advisory Group (AG) 19, which coordinates with ISO Technical Committee 20/ Subcommittee 16 on UAS. He leads AG19 with experts from both the IT and UAS sectors to identify their common interests, to avoid conflicts, and to achieve consensus on developing standards related to both IT and UAS that are urgently needed by the industry.

IEEE SA STANDARDS MEDALLION



Kent Lusted

RECOGNITION

For outstanding leadership and contributions to the development of multiple generations of the IEEE 802.3 Ethernet standard

HIGHLIGHTS

Kent Lusted is a Principal Engineer within Intel's Network Edge Group. He started out designing Ethernet board products and teaching IEEE conformance testing to customers all over the world. Kent won an Intel Achievement Award in 2002 for his contributions toward delivering the world's first client and dual-port server Gigabit Ethernet controllers.

He has been an integral part of the Ethernet PHY debug team over many generations of serializer/deserializer products, leading debug efforts, driving debug improvements, and mentoring colleagues. Since 2012, he has been an active contributor and member of the IEEE 802.3 leadership team. Kent currently is the electrical track chair of the IEEE P802.3df 400 Gb/s and 800 Gb/s Ethernet Task Force and the Electrical Track Chair and Secretary of the IEEE P802.3dj 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet Task Force.



Sergio Rapuano

RECOGNITION

For outstanding leadership, determination, and dedication in the development of IEEE 2414-2020, IEEE Standard for Jitter and Phase Noise

HIGHLIGHTS

Sergio Rapuano has been a Full Professor of Electric and Electronic Measurement at the University of Sannio since 2002, where he currently is Rector's Delegate to Scientific Research and teaches two subjects. He holds a PhD in computer science, applied electromagnetism, and telecommunications from the University of Salerno. From 2017 to 2019 he was president of the Joint Program Committee of BS and MS Degree Courses (Consiglio Unico di Corso di Laurea e Laurea Magistrale) in electronic engineering for automation and telecommunications.

Sergio is an IEEE Senior Member, past chair of the Awards and Recognitions Committee of the IEEE Italy Section, member-at-large of the Administrative Committee, and vice-president for technical and standards activities of the IEEE Instrumentation and Measurement Society (IMS). He was chair of IMS Technical Committee (TC) 25 (medical and biological measurement) and subcommittee chair of the IMS TC10 (waveform generation, measurement and analysis).

Sergio was IMS vice-president for membership from 2018 to 2019 and IMS vice president for education from 2020 to 2022. He led the development of IEEE 2414-2020, IEEE Standard for Jitter and Phase Noise by serving as working group chair, and he participated in the development and/or update of IEEE P181, IEEE P1057, IEEE P1241, and IEEE 1658-2023. Sergio has served as chair or co-chair of multiple international conferences.

His research interests include digital signal processing for measurement in telecommunications, ADC and DAC characterization, distributed measurement systems, virtual laboratories, and medical measurement, with more than 270 papers published in international journals and books and in national and international conference proceedings. In 2008, Sergio received the IEEE IMS Outstanding Young Engineer Award, and in 2020 he received the Distinguished Service Award from the IEEE Italy Section. Under his leadership, the IEEE Italy Section was named IEEE MGA Outstanding Large Section for 2023.

IEEE SA STANDARDS MEDALLION



Kate A. Remley

RECOGNITION

For exceptional technical leadership as the working group chair driving the development of IEEE 1765-2022

HIGHLIGHTS

Kate A. Remley received her PhD degree in electrical and computer engineering from Oregon State University, Corvallis, in 1999.

From 1983 to 1992, she was a broadcast engineer in Eugene, OR, serving as chief engineer of an AM/FM broadcast station from 1989-1991. In 1999, Kate joined the RF Technology Division of the U.S. National Institute of Standards and Technology (NIST), Boulder, CO, as an electronics engineer. She was the leader of the Metrology for Wireless Systems Project at NIST, where her research activities included development of calibrated measurements for microwave and millimeter-wave wireless systems and standardized over-the-air test methods for the wireless industry. Kate chaired the working group that created IEEE 1765-2022, IEEE Recommended Practice for Estimating the Uncertainty in Error Vector Magnitude of Measured Digitally Modulated Signals for Wireless Communications, from 2016 to 2022. In July 2022, she retired from NIST.

Kate is an IEEE Fellow and is the recipient of the Department of Commerce Bronze and Silver Medals, an Automatic Radio Frequency Techniques Group Best Paper Award, and the NIST Schlichter Award. She is a member of the Oregon State University Academy of Distinguished Engineers.

She was chair of the IEEE Microwave Theory and Technology Society (MTT) Technical Committee 11 on Microwave Measurements (2008-2010), editor-in-chief of IEEE Microwave Magazine (2009-2011), and chair of the IEEE MTT Fellow Evaluating Committee (2017-2018). Kate was a distinguished lecturer for the IEEE Electromagnetic Compatibility Society (2016-2017).

IEEE SA STANDARDS MEDALLION



Michael Dean Sigmon Sr.

RECOGNITION

For influential leadership in the IEEE Power & Energy Society Switchgear Committee and for advancing new methods of educating users, manufacturers, students, and industry

HIGHLIGHTS

Michael Dean Sigmon holds a BS degree in electrical engineering from Virginia Polytechnic Institute and State University. Upon graduation, Dean worked as a product engineer for General Electric in Mebane, NC. He moved on to ABB in Florence, SC as a low-voltage circuit breaker engineer before moving into a marketing role there. Dean capped his career at Eaton Corporation, responsible for development testing of low- and high-voltage circuit breaker conversions. He is the holder of a US patent for a specialized switchgear application.

Dean is an IEEE Life Senior Member, having been active for more than 40 years. During that time, he has been most active in the IEEE Power and Energy Society Switchgear Technical Committee, serving as subcommittee chair, standards coordinator, secretary/treasurer, vice-chair, and chair. He has contributed to numerous circuit breaker and switchgear IEEE standards and recently chaired IEEE PC37.59, IEEE Standard for Requirements for Conversion of Power Switchgear Equipment. Now retired, Dean serves the industry as a consultant.



Torbjørn Skauli

RECOGNITION

For outstanding technical contributions to the development of IEEE P4001 on the characterization and testing of hyperspectral camera units

HIGHLIGHTS

Torbjørn Skauli is a Professor of optical sensor and imaging technologies at the University of Oslo, Department of Technology Systems. He also works as Principal Scientist at the Norwegian Defence Research Establishment (FFI).

Torbjørn has worked on many aspects of imaging systems, from crystal growth and readout electronics for detectors to field trials and theoretical studies of cameras. In particular, Torbjørn has done extensive research in the field of hyperspectral imaging. He has participated in numerous international research projects, and he has worked as visiting scientist at the Defence Research Agency in the UK and at Stanford University.

Torbjørn has also been extensively engaged in outreach to share with young people the joys of programming, amateur radio, and “making.” Under the IEEE Standards Association, Torbjørn has been engaged in the standardization effort for hyperspectral imaging since its inception, serving as vice chair of the IEEE P4001 Working Group since 2020.



Günter Steindl

RECOGNITION

For outstanding contributions to, and constructive efforts in, the IEEE 802.1 Working Group

HIGHLIGHTS

Günter Steindl is a Principal Engineer for industrial communications at Siemens AG. He is responsible for the communications system architecture in automation systems.

Günter started as hardware/software developer at Siemens AG after studying electrical engineering/communication engineering in Regensburg. His first project was the development of PROFIBUS DP. He is the technology editor of PROFINET at the International Electrotechnical Commission and a voting member of the IEEE P802.1 Working Group for the Time-Sensitive Networking Industrial Automation profile.

IEEE SA STANDARDS MEDALLION



Karla Trost

RECOGNITION

For exceptional leadership and contributions to the development of IEEE C37.75-2023 and IEEE PC37.68

HIGHLIGHTS

Karla Trost is the Director of Global Program Management at G&W Electric Company in Bolingbrook, IL. She holds a BS degree in electrical engineering from Purdue University. Karla has more than 20 years of experience designing and manufacturing electric distribution equipment and working with worldwide users such as utility, commercial, and industrial companies. She has extensive expertise in the selection of application-specific switchgear and control integration.

Karla is an IEEE Senior Member and has been an active participant in the IEEE Power and Energy Society's Switchgear Committee and Reclosers and Other Distribution Equipment Subcommittee since 2014. She has held numerous roles including secretary of the IEEE C37.63, IEEE C37.68, and IEEE C37.75 Working Groups and of Technical Report 64 (Impact of Alternate Gases on Existing IEEE Standards). Karla represents G&W for both the National Electrical Manufacturers Association Switchgear Section (chair 2021-2023) and the SF6 and Alternatives Coalition (vice-chair since 2021).

IEEE SA STANDARDS MEDALLION



Miao Wang

RECOGNITION

[For exceptional leadership and contributions to the development of IEEE 2785-2023](#)

HIGHLIGHTS

Miao Wang works as the Director of Standardization and of the Intellectual Property Department in Haier's Smart Home industry. Miao has been working in the Internet of Things/Artificial Intelligence industry for more than 15 years. He focuses on standardization activities management and technology innovation in the smart home area.

He has led or participated in more than 60 standards activities, making positive contributions to standardization work for the smart home industry. Miao received his PhD degree from Beijing University of Posts and Telecommunications in 2007.



The Design Automation Standards Committee (DASC) is responsible for the standardization of design automation-related standards in the IEEE Standards Association. This award is named for Ron Waxman, a founder of the DASC, in recognition of his many years of leadership and service to IEEE and international standards.

The annual Ron Waxman DASC Meritorious Service Award recognizes commendable accomplishments by DASC members. The DASC Awards Committee calls for nominations and selects the recipient per the DASC Policies and Procedures. The DASC membership confirms the selection.

Recognition consists of an engraved wooden plaque.

THE RON WAXMAN DESIGN AUTOMATION STANDARDS COMMITTEE MERITORIOUS SERVICE AWARD

Past Recipients

2022

Tom Fitzpatrick

2021

Riccardo Mariani

2020

John Biggs

2019

Ernst Christen

2018

Karen Bartleson

2017

Karen Pieper

2016

Yatin Trivedi

2015

Erich Marschner

2014

Dennis Brophy

2013

Victor Berman

2012

Stan Krolikoski

2011

Larry Saunders

2010

Hal Carter

2009

Peter Ashenden

2008

John Hines

2007

Gabe Moretti

THE RON WAXMAN DESIGN AUTOMATION STANDARDS COMMITTEE MERITORIOUS SERVICE AWARD



Dave Rich

RECOGNITION

[In Recognition of Outstanding Service Exemplifying the Spirit of The DASC](#)

HIGHLIGHTS

Dave Rich is a Verification Architect in the Product and Solutions Ecosystems team at Siemens EDA, responsible for the Verification Academy's content and forum discussions. He also promotes widespread adoption of design and verification standards and methodologies.

Dave has more than three decades of design and verification experience in simulation and synthesis technologies. He is actively involved in SystemVerilog standardization, serving as Technical Chair of the IEEE P1800 Working Group and on the steering committee for the Design and Verification Conference.

Dave started his career as a design and verification engineer at Data General, evaluating one of the earliest versions of Verilog from Gateway Design Automation, later joining Gateway as one of its first application engineers. At Gateway, he helped develop and promote Verilog into becoming the leading language for application-specific integrated circuit design worldwide.

After Cadence acquired Gateway, Dave worked on donating its language reference manual to the Open Verilog International organization, which eventually became the IEEE 1364-1995 standard. Later, he worked on simulation and synthesis technologies acquired by Cadence and Synopsys.

At Siemens, Dave was an original designer of the Advanced Verification Methodology (AVM), later the Open Verification Methodology (OVM), which became the Universal Verification Methodology (UVM) and later the IEEE 1800.2 UVM standard.

Dave has a BS degree in electronic computer engineering from the University of Rhode Island.



**Japan Electronics and
Information Technology
Industries Association
(JEITA), Semiconductor
System Solution Technical
Committee (SSS-TC)**

RECOGNITION

In Recognition of Outstanding Service Exemplifying the Spirit of The DASC

HIGHLIGHTS

JEITA was founded in 2000 to serve the electronics and information technologies industries. Its SSS-TC develops international standards, and its LSI-package-board interoperability standard served as the basis for IEEE 2401-2019. This is the first IEEE standard originating from Japan in the electronic design automation (EDA) field. JEITA strongly drives increasing usage of the standard, and this standard is widely used in the semiconductor industry including semiconductor, component, IP, EDA, and system companies.

SSS-TC collaborates closely with the IEEE Design Automation Standards Committee, including annual face-to-face meetings to discuss EDA-related language standards and verification standards like Verilog, VHDL, System Verilog, and UVM (Universal Verification Methodology).

SSS-TC has also collaborated with the International Electrotechnical Commission (IEC) Technical Committee (TC) 91 Working Group 13 (design automation component, circuit, and system description language). Based on the dual-logo agreement between IEEE and IEC, SSS-TC has supported the recognition of more than 10 IEEE EDA-related standards as IEC standards. SSS-TC has also collaborated with IEC TC47 and working groups under TC47.



This Managing Director's Special Recognition is presented in appreciation of outstanding work that significantly benefits IEEE and the IEEE SA in the advancement of technology for humanity.

Recognition consists of an engraved glass plaque.

IEEE SA MANAGING DIRECTOR'S SPECIAL RECOGNITION



Maike Luiken

RECOGNITION

In appreciation for leadership of Planet Positive 2030 and other sustainability initiatives inspiring all of IEEE

HIGHLIGHTS

Maike Luiken chairs Planet Positive 2030, an initiative of the IEEE Standards Association, and the IEEE P7800 Standards Working Group. She co-chairs the IEEE Future Directions SusTech Initiative. She served as the IEEE vice-president for member and geographic activities, as president of IEEE Canada, and as chair of the policy track for the IEEE Internet Initiative.

Maike is a longtime advocate for sustainable development and is driven to develop and leverage technology to achieve a more sustainable planet. She is Managing Director, R&D, at a start-up company and an Adjunct Research Professor at Western University, Canada.

Maike's career spans academia and industry in Canada, USA, and Germany: from a professor in Sarnia, leading the Bluewater Sustainability Initiative, to serving eight years as dean of the Lambton College School of Technology, Sustainable Development, and Applied Research. Her strategic leadership and vision led to Lambton College becoming one of the top research colleges in Canada.

Her areas of interest and expertise span diverse technical areas, from ICT and energy to advanced manufacturing.

Maike has served on numerous boards and committees, including the Canadian Standards Council Steering Committee of the Artificial Intelligence and Data Governance Standardization Collaborative.

Maike obtained degrees from the Technical University of Braunschweig, Germany, and the University of Waterloo, Canada (PhD, physics). She is a senior member of IEEE and a member of IEEE Eta Kappa Nu.



This award is presented to current or past members of the IEEE SA Standards Board for meritorious and distinguished service to the IEEE SA Standards Board and its programs.

Recognition consists of an engraved wooden plaque.

Past Recipients

2021
Ted A. Burse

2019
John Kulick

2018
Michael Janezic

2016
Richard H. Hulett

2015
Peter Balma

2013
Robert M. Grow
Ted Olsen

2012
Samuel Sciacca

IEEE SA STANDARDS BOARD DISTINGUISHED SERVICE AWARD



Daleep Mohla

RECOGNITION

[For outstanding leadership on the IEEE SA Standards Board and its committees](#)

HIGHLIGHTS

Daleep Mohla has been a member of IEEE since 1972 and has practiced electrical engineering for nearly fifty years. As a leader and a role model in the electrical standards community, Daleep has been a member of the IEEE Standards Association Standards Board since 1998 and served as standards department chair of IEEE Industry Applications Society (IAS). Daleep is currently a member of the IEEE SA Board of Governors and chair of the IEEE SA Standards Conduct Committee.

Daleep was elevated to IEEE Fellow in 2006 for contributions to electrical safety design concepts to reduce workplace hazards. In 2012, he was the recipient of the IEEE Charles Proteus Steinmetz Award for exceptional contributions to development and advancement of safety standards. In 2018, he was given Special Recognition from the IEEE SA Managing Director for his leadership in IEEE standards.

Daleep is a champion for recognition of contributions of volunteers engaged in preparation of IEEE standards. Seeing the growth in IEEE membership from Asia, Daleep has focused his recent efforts on recruiting volunteers from India for IAS standards development. He also has led efforts to publish IEEE standards in Spanish to promote IEEE standards globally.

IEEE SA INTERNATIONAL AWARD



This award is presented to an IEEE SA individual member who has made extraordinary contributions to the advancement of the international goals of the IEEE SA, and to establishing the IEEE SA as a world-class leader in standardization.

Recognition consists of a globe paperweight and certificate.

Past Recipients

2022

Richard H. Hulett

2021

Jingxuan (Joanne) Hu

2019

Garry Roedler

2018

Leslie T. Falkingham

William Whyte

2017

Giorgi Bit-Babik

Craig A. Colopy

2016

Anne A. Bosma

2015

Bill Long

J. Patrick Reilly

2014

Melvin Reynolds

John White

2013

Andrew Myles

2012

David John Law

2011

Bertram Jon Klauenberg

2010

Robert F. Heile

2009

James R. Michalec

David T. Stone

2008

Hermann Koch

2007

James W. Moore

2006

Ben C. Johnson

Roger B. Marks

2005

Denis L. Dufournet

Carl R. Stevenson

2004

Michael R. Murphy

2003

Ronald C. Petersen

2002

Wallace S. Read

IEEE SA INTERNATIONAL AWARD



Dennis Brophy

RECOGNITION

For global efforts to drive definition, acceptance, and use of electronic design automation standards including IEEE 1076 (VHDL), IEEE 1666 (SystemC), and IEEE 1800 (SystemVerilog)

HIGHLIGHTS

Dennis Brophy is Director of Ecosystems at Siemens Digital Industries Software's digital verification technology group, where he manages a global interoperability program to promote integrations with the company's functional verification products. He manages group standardization strategy and has a long history of successful collaboration with industry peers for end-user benefit.

Dennis has been in the electronic design automation industry for the past 44 years. He was first with Hewlett-Packard for five years, then joined Mentor Graphics, recently acquired by Siemens, where he has held several positions the past 39 years bringing electronic design automation technology to market.

Currently, Dennis chairs the IEEE Computer Society's Design Automation Standards Committee, is vice chair of IEEE Council on Electronic Design Automation's Standards Committee, and is a member of the IEEE SA Open Source Committee. He has chaired the IEEE 1076.4, IEEE 1481, and IEEE 1800 working groups, and he has been a member and officer of many other standards groups related to electronic design automation. He was chair of the IEEE SA Corporate Advisory Group, a past member of IEEE SA Standards Board Standards Review Committee and the IEEE SA Standards Board Patent Committee, as well as a past member of the IEEE SA Board of Governors. Dennis is also co-convenor for International Electrotechnical Commission Technical Committee 91/Working Group 13 focused on design automation: component, circuit, and system description language.

Dennis received a BS degree from the University of California at Davis in electrical engineering and computer engineering.



This award is presented to an individual, working group, or company that has advanced, initiated, or progressed a new technology within the IEEE SA open consensus process that meets the following criteria: The IEEE SA work product is a balloted standards draft or an approved standard, recommended practice, or guide. It is not necessary for the final document to be approved, but substantial progress beyond the Project Authorization Request (PAR) is necessary.

The IEEE SA work product:

- Is the first or one of few such activities for the technology, industry, or market(s) for which it is targeted
- Is a technology, industry, or market where broad consensus agreements are not yet widely deployed or not yet fully commercialized
- Has positive market relevance
- Puts IEEE in a leadership position
- Extends the IEEE SA standards portfolio

Recognition consists of an engraved sculpture and a certificate.

Past Recipients

2022

IEEE 2800 Working Group

IEEE 2846 Working Group

IEEE 2941 Working Group

2021

IEEE P2675 Working Group

IEEE P7007 Working Group

2020

IEEE 802.1 Working Group

2019

IEEE 1876 Working Group

2018

Lee Coulter

IEEE 802.3 Working Group

2017

Erik Jan Marinissen

IEEE 802.11 Working Group

2016

Giovanni Acampora

Stephen F. Bush

2015

IEEE Robotics and Automation Society Ontologies for
Robotics and Automation Working Group

2014

Yuan-Ting Zhang

IEEE P2700™ Standard for Sensor Performance
Parameter Definitions Working Group

2013

Pierre Martin

2011

IEEE 802.22 Working Group

2010

IEEE 11073™ Personal Health Devices Working Group

IEEE Rail Transit Vehicle Interface Standards Committee
Working Group #2

IEEE SA EMERGING TECHNOLOGY AWARD



**IEEE 1547.9
Working Group**

RECOGNITION

For advancing the deployment of energy storage for distributed energy resources

HIGHLIGHTS

IEEE 1547.9-2022 is a new standard that deals with the application of IEEE 1547 to the interconnection of energy storage systems to distribution systems.

When IEEE 1547-2018 was being written, it was intended that there would be a clause in that standard on energy storage. However, that clause was not included in IEEE 1547-2018. While there was a great deal of material developed for that clause that was highly important for streamlining energy storage interconnections, the working group did not reach consensus on it.

In the years since the publication of IEEE 1547-2018, further guidance and learning was developed, the number of photovoltaic and storage projects grew, questions emerged around how to apply some of IEEE 1547's requirements for energy storage, and the possibility of large numbers of vehicle-to-grid-equipped electric vehicles appearing on the distribution system needed to be addressed. Thus, the need for a standard collecting this guidance and dealing with these energy storage interconnections became urgent.

To meet this need, the IEEE 1547.9 Working Group brought together for the first time a diverse working group of 69 subject matter experts from multiple domains, including power systems, power electronics, energy storage systems, and electrochemistry. The standard was co-sponsored by the Distributed Generation, Energy Storage, and Interoperability Standards Committee (SC21) and the IEEE Power and Energy Society Energy Storage and Stationary Batteries Standards Committee, and this co-sponsorship is part of the reason why this working group enjoyed such broad participation across so many appropriate disciplines. The result was a comprehensive response to the need for energy storage interconnection guidance that achieved more than 98% approval from its ballot group of 193 voters. IEEE 1547.9-2022 was published in June 2022.



This award is presented to a current or past member of the IEEE Standards Association who has made a significant technical contribution in a standards committee and has shown a 15-plus year commitment to standards development within IEEE and other national and international standardization activities.

Recognition consists of a sculpture and framed certificate.

Past Recipients

2022

Steven B. Carlson
Norman Finn
Annette D. Reilly
Richard A. Tell

2021

Curtis Ashton
Ben C. Johnson

2020

Chung-Kwang Chou
Howard Wolfman

2019

Garry Roedler

2018

T. W. (Ted) Olsen

2017

Philip J. Hopkinson

2016

Michael Johas Teener

2015

Mick Seaman

2014

Todd Cooper
Gary Robinson

2013

Richard DeBlasio
Tony Jeffree

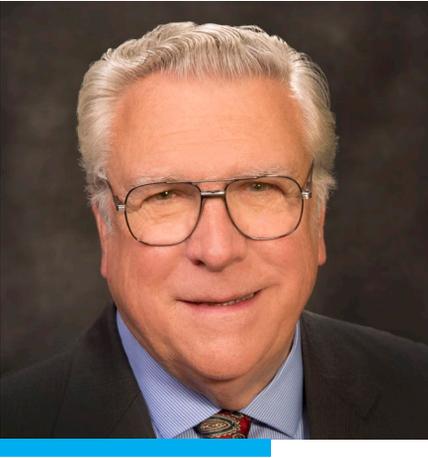
2012

Francois Martzloff

2011

Joseph L. Koepfinger

IEEE SA LIFETIME ACHIEVEMENT AWARD



Jerome Blair

RECOGNITION

For more than 30 years of outstanding contributions to the science and technology of waveform generation, measurement, and analysis and to the development of associated international documentary standards

HIGHLIGHTS

Jerome Blair spent his career working for contractors to the U.S. National Nuclear Security Administration designing, characterizing, and evaluating complex measurement systems and their software. Since 1989 he has been an active member of the IEEE Instrumentation and Measurement Society's Technical Committee 10, the Waveform Generation, Measurement, and Analysis Committee. Jerome is a past associate editor for IEEE Transactions on Instrumentation and Measurement. He has been an IEEE member for more than 30 years and was named an IEEE Fellow in 2004.

IEEE SA LIFETIME ACHIEVEMENT AWARD



Leonardo Chiariglione

RECOGNITION

For thought leadership, technological prowess, and seminal contributions in the development and promotion of digital media standards deployed into billions of products and services worldwide

HIGHLIGHTS

Leonardo Chiariglione has been at the forefront of a range of initiatives that has helped shape media technology and business. Among these initiatives is the Moving Pictures Experts Group (MPEG) standards committee, which he founded and chaired for 32 years.

In 2020, he launched MPAI: Moving Picture, Audio and Data Coding by Artificial Intelligence (AI), a non-profit organization developing AI-enabled data coding standards while bridging the gap between standards and their practical use. In just three years, MPAI has produced nine technical specifications ranging from audio enhancement to human-machine conversation, company performance prediction, and AI-app execution.

Leonardo is the recipient of several awards, including the International Broadcasting Convention John Tucker Award, the Eduard-Rhein Foundation Award, the IEEE Masaru Ibuka Consumer Electronics Award, and the Kilby Foundation Award. From 2004 to 2020, he was the CEO of CEDEO.net, a company providing advanced technologies, solutions, and services and advising major multinationals on digital-media matters. Currently he is the President of CEDEO.net.

Leonardo obtained his MS degree from the Polytechnic of Turin and his PhD degree from the University of Tokyo.

IEEE SA LIFETIME ACHIEVEMENT AWARD



Paul Forquer

RECOGNITION

For contributions to the IEEE Vehicular Technology Society Traction Power Systems Standards Committee for more than 20 years

HIGHLIGHTS

Paul Forquer first worked for American Electric Power in Canton, Ohio, as a protective relay engineer and then for Controlled Power Corporation in Massillon, Ohio for 20 years, where he developed expertise in traction power substations. In 1995, Paul joined Powell Electrical Systems, from which he retired in 2019. Currently he works for SYSTRA and consults for Microelettrica Scientifica.

Paul has traveled extensively, having visited nearly every transit system in the US as well as China, Greece, and the Philippines. He is an IEEE Life Senior Member and a member of the American Public Transportation Association, the American Railway Engineering and Maintenance-of-Way Association, and the New York Metropolitan Railway Club.

Paul received his BS degree in electrical engineering from Gannon University. He is a Licensed Engineer in eleven states and the District of Columbia.

IEEE SA LIFETIME ACHIEVEMENT AWARD



Ernie Gallo

RECOGNITION

In recognition of a long and distinguished career of contributions to IEEE and other standards development organizations

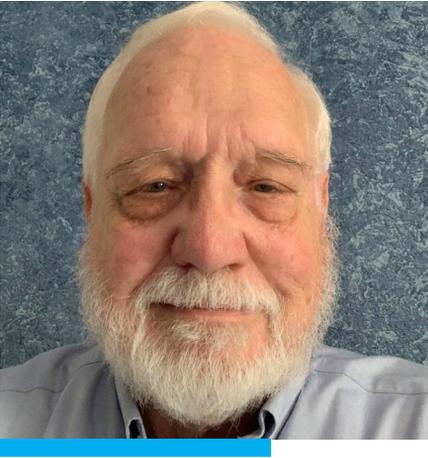
HIGHLIGHTS

Ernie Gallo has more than 40 years of experience in the telecommunications industry, spending more than seven years with Underwriters Laboratories (UL), and 33 years at Bellcore/Telcordia/Ericsson. The focus of his work is electrical and fire safety, outside plant telecommunications installation and maintenance, and evaluation of fiber-optic network elements for use in communications networks.

Ernie participates in several standards committees of the National Fire Protection Association (NFPA), in American National Standards Institute Committee C2 and several of its subcommittees, as well as in multiple IEEE standards committees on surge protection, fiber optics, and wire lines. He serves as a chair or an officer of several standards committees in the Association for Telecommunications Industry Solutions, and he is a member of multiple Underwriters Laboratories standards committees. Ernie also is a member of committees in the Telecommunications Industry Association and the U.S. Federal Communications Commission's Communications Security, Reliability, and Interoperability Council.

Ernie received the 2022 Committee Service Award from the NFPA Standards Council. He received his BSEE degree from the Polytechnic University of New York.

IEEE SA LIFETIME ACHIEVEMENT AWARD



Robert M. Grow

RECOGNITION

For leadership roles in IEEE 802.3, the IEEE Standards Association, and for key contributions to automotive optical Ethernet

HIGHLIGHTS

Robert M. Grow is an IEEE Fellow who started his career working on converged communications (integration of data, voice, and video in networked systems). This led him to local area network (LAN) work. His systems architecture experience combined with implementing chip, software, and circuit board products has been fundamental to his technical contributions to IEEE standards.

Bob attended his first IEEE P802 meeting in 1981 and has been an active participant in standards development since then. Over the years, he has been a contributor to multiple IEEE P802 working groups, but since 1996, his primary focus has been on IEEE P802.3 Ethernet. He also has had the opportunity to provide his data communications expertise to IEEE power and biomedical standards, as well as LAN standards developed in other standards organizations.

Bob's leadership roles started as a technical editor on IEEE P802.3 projects, and most recently, leading projects to add automotive Ethernet capabilities to the IEEE 802.3 standard. Bob is a former IEEE P802.3 Working Group chair and secretary as well as a former treasurer of IEEE P802. In governance, Bob has been a member of various IEEE SA Standards Board committees and served as chair of the IEEE SA Standards Board and consequently as a member of the IEEE SA Board of Governors. Bob also has chaired and currently is a member of the IEEE Registration Authority Committee.



The IEEE Charles Proteus Steinmetz Award was established by the Board of Directors in 1979 for major contributions to the development of standards in the field of electrical and electronics engineering. The award is named in honor of Charles Proteus Steinmetz's theories, which were essential to the development of universal electrical systems. His textbooks, formulas, teachings, and research, principally at the General Electric Company, made him the first true theoretician of alternating-current electrical systems.

Recognition consists of a bronze medal, certificate, and honorarium.

Past Recipients

2022
Kenneth E. Martin

2021
Haran Karmaker

2020
Solveig M. Ward

2019
Innocent Kamwa

2018
Craig M. Wellman

2017
David John Law

2016
Hermann Koch

2015
Steve M. Mills

2014
Mark McGranaghan

2013
Mohindar S. Sachdev

2012
Daleep Mohla

2011
James W. Moore

2010
Richard DeBlasio

2009
James Thomas Carlo

2008
Roy Billinton

2007
Vic Hayes

2006
S. Mark Halpin

2005
Wallace S. Read

2004
Julian Forster

2003
Donald C. Loughry

2002
Ben C. Johnson

2001
Stanley Baron

2000
Hiroshi Yasuda

1999
Dennis Bodson

1998
William J. McNutt

1997
Donald N. Heirman
L. John Rankine

1996
Marco W. Migliaro

IEEE CHARLES PROTEUS STEINMETZ AWARD



Philip Wennblom

RECOGNITION

For championing global development of market-led voluntary technology standards through decades of contributions to governance and strategy of international organizations

HIGHLIGHTS

Philip Wennblom has been instrumental in fostering today's vibrant, inclusive, and responsive global standards development ecosystem. His contributions have strengthened the capabilities and effectiveness of this ecosystem and helped drive innovation and economic growth for industries and nations around the world. This is particularly true in areas such as IT and digital technologies, where Phil has played a fundamental role. These technologies are now redefining the way industries operate, as innovations in digitization, data analytics, artificial intelligence, and automation create immense performance and productivity benefits. Phil's leadership role in standards has been paramount to unlocking these benefits and fully exploiting the opportunities provided by technological advancements.

Phil has had extensive governance experience with IEEE SA, including service on the IEEE SA Standards Board and its Procedures Committee, as a member and later chair of both the IEEE SA Corporate Advisory Group and the IEEE SA Standards Board Patent Committee, and as a member of the IEEE SA Board of Governors.

An IEEE Senior Member, Phil is Global Director of Standards Policy at Intel Corporation. He holds a BS degree in electrical engineering from the University of Pennsylvania.

2023 IEEE SA Board of Governors

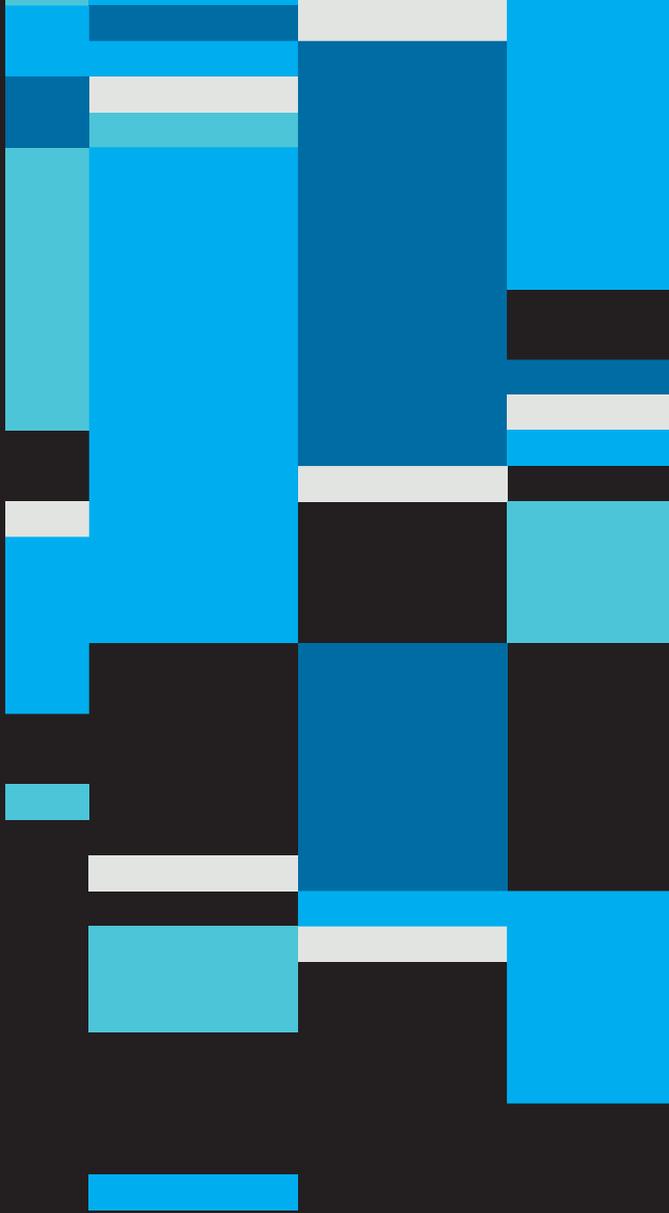
- James E. Matthews, IEEE SA President
- David Law, IEEE SA Standards Board (SASB) Chair
- Gary Hoffman, Past SASB Chair
- Paul Nikolich, IEEE SA Treasurer
- Gary Stuebing, IEEE SA Entity Collaborative Activities Governance Board (CAG) Chair
- Konstantinos Karachalios, Secretary
- Shmuel Auster, Member-at-Large
- David Chen, Member-at-Large
- Abhay Karandikar, Member-at-Large
- Glenn Parsons, Member-at-Large
- Ramesh Ramadoss, Member-at-Large
- Dorothy Stanley, Member-at-Large
- Mehmet Ulema, Member-at-Large
- Walter Weigel, Member-at-Large
- Chuck Adams, Non-voting Member
- Mark Epstein, Non-voting Member
- Robert Fish, Non-voting Member
- Daleep Mohla, Non-voting Member
- Kishik Park, Non-voting Member
- Robby Robson, Non-voting Member
- Lee Stogner, Non-voting Member
- Yatin Trivedi, Non-voting Member

2023 IEEE SA Awards and Recognition Committee

- Yatin Trivedi, Chair
- Gary Hoffman
- Andrew Myles
- Dorothy Stanley
- Mehmet Ulema
- Victoria Kuperman-Super, Administrator

2023 IEEE SA Awards Ceremony Program and Brochure

- Julie Alessi
- Michelle Chang
- Victoria Kuperman-Super
- Mary Lynne Nielsen
- Dave Ringle



IEEE SA

STANDARDS
ASSOCIATION

445 Hoes Lane, Piscataway, NJ 08854 USA
standards.ieee.org
Tel. +1 732-981-0060



© 2023 IEEE