IEEE SA
STANDARDS ASSOCIATION

2020

IEEE STANDARDS ASSOCIATION AWARDS CEREMONY

IEEE

Congratulations to the IEEE SA 2020 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.

IEEE SA MISSION STATEMENT

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

IEEE SA 2020 Awards Ceremony Program

Welcoming Remarks

Robert S. Fish, President, IEEE Standards Association

Ted A. Burse, Chair, IEEE Standards Association Awards & Recognition Committee

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Ted A. Burse, Chair, IEEE Standards Association Awards & Recognition Committee

IEEE SA STANDARDS MEDALLION

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

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 Asterjadhi
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

János Farkas

RECOGNITION

For exceptional skill in championing the standardization development of time-sensitive networking

VIDEO OF ACCEPTANCE SPEECH

HIGHLIGHTS

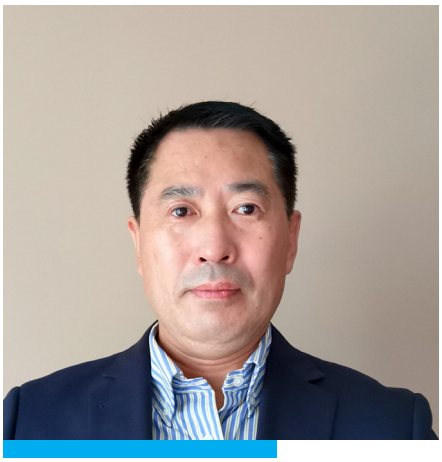
Dr. János Farkas is a principal researcher in the area of deterministic networking at Ericsson Research. He has actively contributed to the standardization of technologies in multiple organizations to achieve deterministic packet networking. János has served as the chair of the IEEE 802.1 Time-Sensitive Networking (TSN) Task Group since 2016 and was its vice-chair for a year beforehand. He helped initiate TSN profile projects for different verticals, such as the IEC/IEEE 60802 TSN Profile for Industrial Automation, and escorted these projects to completion.

He served as the editor of IEEE 802.1CM™, its amendment IEEE 802.1CMde™, and IEEE 802.1Qca™. He was one of the key contributors to IEEE 802.1aq™ and has contributed to various IEEE 802.1 standards since he joined the IEEE 802.1 Working Group in 2007.

János has been the co-chair of the IETF Deterministic Networking (DetNet) Working Group since 2018 and has co-authored multiple DetNet standards and drafts. His former research activities include carrier networks, IP QoS solutions for radio access networks, and network traffic management. János has been conducting and leading various research activities including prototyping of TSN, DetNet, and early software-defined networking concepts since he joined Ericsson Research in 1997.

He has a number of patents and research papers in the area of telecommunications networks. He holds PhD and MS degrees in electrical engineering from the Budapest University of Technology and Economics.

IEEE SA STANDARDS MEDALLION



Wenpeng Luan

RECOGNITION

For leadership and contributions to the development of standards in the field of distributed energy resource integration

VIDEO OF ACCEPTANCE SPEECH

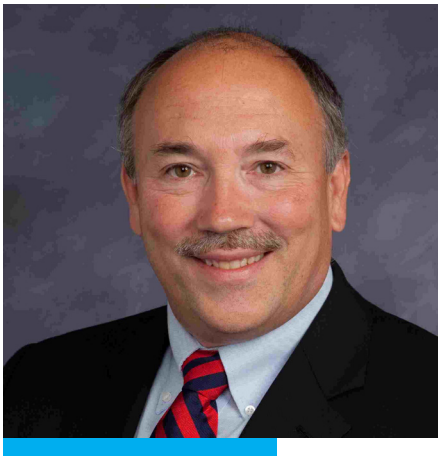
HIGHLIGHTS

Wenpeng Luan has extensive academic and industrial experience in power system analysis, power system planning, advanced metering infrastructure, smart grid applications, and distributed generation integrations. He worked with China Electric Power Research Institute as Chief Expert from 2013 to 2019. Since then, Wenpeng has been a professor at the Institute of Electrical and Information Engineering, Tianjin University. His special fields of interest include smart sensing, non-intrusive load monitoring, smart grid data analytics, distribution system analysis, renewable energy resource integration, and innovative utility applications.

Wenpeng is a member of CIGRE, a senior member of IEEE, and is a registered Professional Engineer with the Association of Professional Engineers and Geoscientists of British Columbia. Since 2014, he has advocated for international standardization in the field of distributed energy resource integration and non-conventional distribution networks, which led to the establishment of a dedicated subcommittee in IEC, TC8/SC8B Decentralized Electrical Energy Systems, in 2017. He is the secretary of IEC TC8/SC8B, chair for IEEE Working Group P2030.9, and vice-chair for IEEE Working Group P2815.

Wenpeng received a BS degree from Tsinghua University, Beijing, China, in 1986, a MS degree from Tianjin University, Tianjin, China, in 1989, and his PhD from Strathclyde University, Glasgow, UK, in 1999, all in electrical engineering.

IEEE SA STANDARDS MEDALLION



Thomas A. Prevost

RECOGNITION

For ongoing leadership and contributions to the development of IEEE transformer standards and the standards development process

VIDEO OF ACCEPTANCE SPEECH

HIGHLIGHTS

Thomas A. Prevost is the Vice President of Technology and Innovation for the Americas region at Weidmann Electrical Technology, where he has worked for 29 years. Tom has also worked for Omicron Electronics, a provider of diagnostic test equipment to the power industry. Early in his career Tom worked at Tampa Electric Company as an engineer in distribution and production. Tom received his BSEE from Virginia Polytechnic Institute.

Tom is a Senior Member of IEEE. He served as the chair of the IEEE PES Transformers Committee (2008–2009) and served on the IEEE PES Board of Governors (2010–2013). He was a member of the IEEE SA Standards Board (2006–2010) and chaired its New Standards Committee (2008–2010).

He is currently the chair of several IEEE working groups: IEEE PC57.162, developing a guide for moisture in insulating systems; IEEE PC57.166, developing a guide for acceptance and maintenance of insulating fluids; and IEEE PC57.124, revising a guide for partial discharge measurement in dry-type transformers. Tom is also active in ASTM Committee D27 on Insulating Fluids and IEC TC14 on Transformers. He is the IEEE SA Liaison to the IEC Advisory Committee on T&D (ACTAD). He is a member of the U.S. National Committee of CIGRE.

Tom has also written many technical papers on the subject of electrical insulation materials, transformer diagnostics, and condition monitoring.

IEEE SA STANDARDS MEDALLION

Peter Reid Wilson

RECOGNITION

For leadership in standards and technology roadmapping in power electronics

VIDEO OF ACCEPTANCE SPEECH

HIGHLIGHTS

Peter Wilson is a full professor at the University of Bath, England, where he is the leader of the Power Electronics Research Group, Director of the Autonomous Robotics Centre, Deputy Head of the Electronic and Electrical Engineering Department, Co-Director of the Advanced Automotive Propulsion Systems Doctoral Training Centre, and leads the electrification theme of the new UK Institute of Advanced Automotive Propulsion Systems.

He is a Senior Member of IEEE, a Fellow of the Institution of Engineering and Technology (IET) in the UK, a Fellow of the UK Higher Education Academy, and was elected as a Fellow of the British Computer Society (BCS). He is also a Chartered Engineer of the Engineering Council of the UK.

Peter worked at Ferranti plc and Analogy Inc. before returning to academia, and he has published more than 150 articles and several books. He is a passionate advocate of electric vehicles and pioneered student projects working on electric vehicles to raise awareness and engagement, founding and leading the University of Southampton Solar Electric Racing Boat Team (2009, 2010, and 2012), University of Bath Formula Student Electric Racing Team (Team Bath Racing electric), and the University of Bath Electric Racing Motorcycle Team (Bath Zero).

Peter has served on numerous IEEE conferences in leadership roles including DATE, ETS, DAPE, EBTW, FDL, and IEEE Aerospace. He will serve as general chair of the inaugural IEEE DMC conference in 2021.

THE RON WAXMAN DESIGN AUTOMATION STANDARDS COMMITTEE MERITORIOUS SERVICE AWARD

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.

Past Recipients

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

John Biggs

RECOGNITION

In recognition of outstanding service exemplifying the spirit of the DASC

VIDEO OF ACCEPTANCE SPEECH

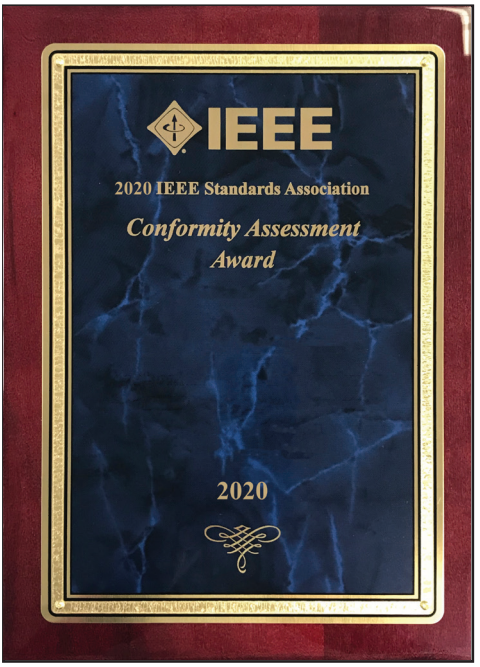
HIGHLIGHTS

John Biggs has been involved with advanced RISC machine (Arm) developments since 1986 and co-founded Arm Ltd. in 1990. After a number of years working as a VLSI design engineer, he went on to form Arm's design methodology group in 1995.

John is a Distinguished Engineer working in Arm's research group with an interest in the development of advanced methodologies for the low-power deployment of synthesizable Arm IP. He is currently working on "PlasticARM," a blue-sky research project to develop low-cost microcontrollers using state-of-the-art thin film transistors on flexible plastic substrates.

John holds a BS degree in electronic and electrical engineering from the University of Manchester and is currently chair of the IEEE 1801 (UPF) standards working group.

IEEE SA CONFORMITY ASSESSMENT AWARD



This award is presented to an individual or entity to recognize major contributions to the development and promotion of IEEE standards products through conformity assessment activities. Major contributions include, but are not limited to, the following examples:

- Leadership in developing new IEEE conformity assessment and certification programs
- Enhancing the visibility of IEEE conformity assessment and certification programs
- Promoting the understanding and application of conformity assessment programs as a means of accelerating market adoption of IEEE standards
- Leading and contributing toward development of innovative test tools, test suites

Recognition consists of an engraved wooden plaque.

Past Recipients

2019
Duke Energy

2018
Keith Houser
Ethernet Alliance

2017
Allen R. Goldstein

CHAdeMO Association

RECOGNITION

For leadership and commitment toward designing and operationalizing the IEEE 2030.1.1 Electric Vehicle Charging Conformity Assessment Program

VIDEO OF ACCEPTANCE SPEECH

HIGHLIGHTS

CHAdeMO Association convenes global electric mobility stakeholders committed to achieving the dual objectives of reducing greenhouse gas emissions from transportation and stabilizing the power grid through the accelerated adoption of electric vehicles (EVs). By mobilizing the world-class industrial expertise of its 460 members from 45 countries, the Association promotes CHAdeMO dc fast-charging technology and strives to ensure safe, affordable, and timely charging experiences for all EV users.

To date, there are 33 000 CHAdeMO charge points across the globe, including 4700 in North America. In addition to serving more than 200 000 CHAdeMO users in the Americas, CHAdeMO chargers supply many Tesla drivers via their CHAdeMO adapter.

CHAdeMO-certified chargers are guaranteed of their safety and interoperability thanks to a conformity assessment system undertaken by accredited third-party certification bodies around the world—soon to include North American laboratories through the IEEE Electrical Vehicle Charging Conformity Assessment Program.

CHAdeMO is also the only protocol allowing bi-directional charging [vehicle-to-grid (V2G)] with commercially available EVs. Convinced that V2G is a solution to support the power grid and shape the future of flexible energy management, CHAdeMO will continue to lead innovation on V2G technology to evolve electric mobility into social infrastructure—connecting cars, energy systems, and society as a whole.

IEEE SA EMERGING TECHNOLOGY AWARD

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

2019
IEEE Std 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 802.1

IEEE 802.1 Working Group

RECOGNITION

For the development of IEEE Std 802.1CM™-2018, IEEE Standard for Local and Metropolitan Area Networks—Time-Sensitive Networking for Fronthaul, the first IEEE standard to connect a cellular network's radio equipment to its remote controller via a packet network; in particular, over a bridged IEEE 802.3™ Ethernet network

VIDEO OF ACCEPTANCE SPEECH

HIGHLIGHTS

IEEE 802.1 is one of the original working groups of the IEEE 802® Local Area Networks and Metropolitan Area Networks (LAN/MAN) Standards Committee, which was formed in 1980. The IEEE 802.1 Working Group (WG) develops standards for and coordinates the development of IEEE 802 LAN/MAN architecture and management, internetworking between IEEE 802 LANs/MANs and other network technologies, network security, and protocol layers above the media access control layer.

The IEEE 802 Time-Sensitive Networking (TSN) standards developed by the IEEE 802.1 WG provide a toolset that has allowed bridged Ethernet packet networks to support a wide range of applications requiring deterministic data transfer that were originally supported by other network technologies.

This TSN toolset was first leveraged in the development of IEEE Std 802.1CM™ TSN for Fronthaul Profile. This standard lays down the principles and the structure that have since been followed by other TSN profiles in development, for example, the IEC/IEEE 60802 joint project on a TSN Profile for Industrial Automation.

IEEE SA LIFETIME ACHIEVEMENT AWARD

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

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

Chung-Kwang Chou

RECOGNITION

For continued energy, persistence, and dedication to inclusiveness of scientific thought through participation and leadership in the IEEE International Committee on Electromagnetic Safety (ICES) across almost five decades

VIDEO OF ACCEPTANCE SPEECH

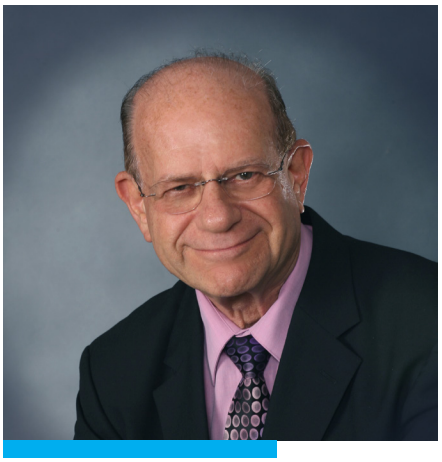
HIGHLIGHTS

Chung-Kwang (CK) Chou received a BS degree from National Taiwan University in 1968, a MS degree from Washington University in 1971, and his PhD from the University of Washington in 1975. He spent a year as a National Institute of Health postdoctoral fellow with the Regional Primate Research Center and with the department of physiology and biophysics, University of Washington, where he was a faculty member with the department of rehabilitation medicine and the Center for Bioengineering from 1977 to 1985.

From 1985 to 1998, CK was a research scientist and the director of the department of radiation research, City of Hope National Medical Center. In April 1998, he joined Motorola as the director of the Corporate EME Research Laboratory, and later he became the chief EME scientist responsible for RF product safety. From 2009 to 2013 he was the chief EME scientist of Motorola Solutions. CK is currently retired and an independent consultant on EMF safety issues.

While a graduate student in the 1970s, CK started participating in IEEE RF safety standard activities with his mentor, Dr. Bill Guy, and has been involved mainly in the development of the IEEE C95.1 exposure standard. He served as the co-chair of IEEE Standards Coordinating Committee 28, Subcommittee 4 on RF Safety Standard from 1997 to 2005. Since 2006, CK has been the chair of the International Committee on Electromagnetic Safety TC95, responsible for exposure standards (0–300 GHz). CK is a Life Fellow of IEEE.

IEEE SA LIFETIME ACHIEVEMENT AWARD



Howard Wolfman

RECOGNITION

For dedicated and enthusiastic service and active engagement on the IEEE Standards Association Standards Board and its committees for more than 25 years, for outstanding leadership in promoting technology and standards development in the solid-state lighting industry, and in recognition of 61 years of continuous IEEE membership

VIDEO OF ACCEPTANCE SPEECH

HIGHLIGHTS

During more than 60 years of active IEEE membership, Howard has served IEEE in numerous leadership positions including as Region 4 Director, IEEE Treasurer, and Chicago Section chair; on the Education Activities Board, the IEEE Awards Board, and more than 20 IEEE Committees. He has been a member of the IEEE SA Standards Board and its committees for more than 25 years.

In addition to IEEE standards work, he is chair of the IEEE Illuminating Engineering Society Standards Committee and past chair of the U.S. Delegation to IEC Technical Committee 34. Howard has held leadership positions in NEMA Lighting Systems Division, ANSI Lighting Group, CSA, and Underwriters Laboratories.

For the last 19 years, he has been an adjunct professor in the Master of Engineering Program at the University of Illinois at Chicago, served as a lecturer at universities worldwide, made numerous presentations, and authored many papers.
Howard received his BSEE from the University of Illinois and his MBA from Northwestern University.

He is a Practicing Engineer in Illinois; a member of Eta Kappa Nu; and is the principal of Lumispec Consulting, specializing in lighting energy efficiency.

He is a recipient of the IEEE Centennial Medal, the IEEE Third Millennium Medal, the 2008 NEMA Kite and Key Award, the 2013 CSA Award of Merit, and the 2017 EdisonReport Lighting Lifetime Achievement Award.

2020 IEEE SA Board of Governors

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- John Kulick, Past SASB Chair
- Yatin Trivedi, IEEE SA Treasurer
- Robby Simpson, IEEE SA Corporate Advisory Group (CAG) Chair
- Konstantinos Karachalios, Secretary
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- Alex Gelman, Member-at-Large
- Andrew Myles, Member-at-Large
- Kishik Park, Member-at-Large
- Rebekka Porath, Member-at-Large
- Robby Robson, Member-at-Large
- Walter Weigel, Member-at-Large
- Don Wright, Member-at-Large (non-voting)

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- Mark Epstein
- David J. Law
- Annette Reilly
- Walter Weigel
- Victoria Kuperman-Super, Administrator

2020 IEEE SA Awards Ceremony Program and Brochure

- Julie Alessi
- Victoria Kuperman-Super
- Mary Lynne Nielsen
- Dave Ringle
- Linda Rutledge

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