IEEE AP-S/URSI 2025

OTTAWA, CANADA

2025 AWARDS PRESENTATION

Wednesday, 16 July 2025

Main Awards (Ceremony II) 17:15-18:45

Awards Ceremony I 12:15-1:30

IEEE AP-S Antennas and Propagation Society

U.R.S.I.

CNC URSI

U.S. National Committee for the International Union of Radio Science

Main Awards Ceremony (Awards Ceremony II)

Wednesday, 16 July 17:15-18:45 Canada Hall I & II

Awards Presentation Introductions and Welcome

Christophe Fumeaux, IEEE AP-S President

Gianluca Lazzi, IEEE AP-S Awards Committee Chair

2025 IEEE Electromagnetics Award

Presenters Thomas Coughlin, IEEE Past President, and Christophe Fumeaux, IEEE AP-S President

Prof. G. Eleftheriades "For contributions to engineered surfaces and metasurfaces with application to antennas, cloaking, and sub-diffraction imaging."

2025 IEEE AP-S Field Awards

Presenter Gianluca Lazzi, IEEE AP-S Awards Committee Chair

2025 Distinguished Achievement Award

Dr. Roberto Graglia Citation: "For seminal contributions to the development of higher-order methods and singular basis functions for computational electromagnetics and for service to the electromagnetics community."

2025 Chen-To Tai Distinguished Educator Award

Dr. Kwai Man Luk Citation: "For significant contributions in education of antenna theory, design and applications."

2025 John Kraus Antenna Award

Dr. Nader Behdad Citation: "For pioneering contributions to electrically-small-antenna and reduced-complexity phased-array technologies."

2025 Lot Shafai Mid-Career Distinguished Achievement Award

Dr. Negar Ebadi Citation: "For pioneering contributions to microwave and millimeter-wave antenna solutions and imaging technologies for biomedical applications and for being a role model for women in engineering."

2025 Harrington-Mittra Award in Computational Electromagnetics

Dr. Cynthia Furse Citation: "For Fundamental contributions to and innovations in the theory and applications of the Finite Difference Time Domain (FDTD) method in Bioelectromagnetics."

2025 IEEE AP-S Industry Awards

Presenter Gianluca Lazzi, IEEE AP-S Awards Committee Chair

2025 Distinguished Industry Leader Award

Dr. Yihong Qi Citation: "For leadership that bridges antenna and electromagnetic research with real-world engineering to enhance human well-being."

2025 Industrial Innovation Award

Dr. Simone Paulotto. Citation: "For contributing to innovation in mm-wave antennas for handheld devices."

2025 Outstanding Service Award

Dr. Danilo Erricolo Citation: "For enduring contributions as long-serving Editor-in-Chief of the IEEE Transactions on Antennas and Propagation, significantly advancing its reach and impact; and for dedicated leadership as Chair of the flagship symposium and key committees."

Dr. Ajay K. Poddar Citation: "For exemplary dedication and selfless service to IEEE Antennas and Propagation Society's chapters, volunteers, and members through impactful leadership in global chapter development, membership growth, and humanitarian technology initiatives."

2025 IEEE AP-S Paper Awards

Presenter Gianluca Lazzi, IEEE AP-S Awards Committee Chair

IEEE AP-S Sergei A. Schelkonuff Transactions Prize Paper Award

L. Zhao, Y. -F. Cheng, C. Liao, F. Peng, G. -F. Gao and X. Ding, "Applicability Extension and Calculation Acceleration of Pattern-Multiplication Principle in Far-Field Analysis of Conformal Arrays," in IEEE Transactions on Antennas and Propagation, vol. 72, no. 2, pp. 1556-1567, Feb. 2024, doi: 10.1109/TAP.2023.3341217

IEEE AP-S Harold A. Wheeler Application Prize Paper Award

X. Cai, E. L. Bengtsson, O. Edfors and F. Tufvesson, "A Switched Array Sounder for Dynamic Millimeter-Wave Channel Characterization: Design, Implementation, and Measurements," in IEEE Transactions on Antennas and Propagation, vol. 72, no. 7, pp. 5985-5999, July 2024, doi: 10.1109/TAP.2024.3412187

IEEE AP-S R.W.P. King Award

M. T. Bevacqua and T. Isernia, "Support Reconstruction of Dielectric and Metallic Targets via the Contraction Integral Equation," in IEEE Transactions on Antennas and Propagation, vol. 72, no. 3, pp. 2643-2653, March 2024, doi: 10.1109/TAP.2024.3353314

IEEE AP-S Piergiorgio L.E. Uslenghi Prize Paper Award

M. Li, J. Xu, T. J. Cui and L. Li, "Microwave Reconstruction of 3-D Human Facial Landmarks Using a Programmable Metasurface," in IEEE Antennas and Wireless Propagation Letters, vol. 23, no. 11, pp. 3327-3331, Nov. 2024, doi: 10.1109/LAWP.2024.3403686.

IEEE AP-S Edward E. Altshuler Prize Paper Award

M. Gustafsson and J. Lundgren, "Degrees of Freedom and Characteristic Modes: Estimates for radiating and arbitrarily shaped objects," in IEEE Antennas and Propagation Magazine, vol. 66, no. 6, pp. 18-28, Dec. 2024, doi: 10.1109/MAP.2024.3389451

IEEE OJAP Best Paper Award

S. Kodra, M. Barbiroli, E. M. Vitucci, F. Fuschini and V. Degli-Esposti, "Mm-Wave Building Penetration Losses: A Measurement-Based Critical Analysis," in IEEE Open Journal of Antennas and Propagation, vol. 5, no. 2, pp. 404-413, April 2024, doi: 10.1109/OJAP.2024.3355817 (2025 Award)

M. Linder, B. Meinecke, E. Halici, D. Schwarz and C. Waldschmidt, "Highly Efficient Calibration of Antenna Arrays by Active Targets in the Near-Field," in IEEE Open Journal of Antennas and Propagation, vol. 4, pp. 326-338, 2023, doi: 10.1109/OJAP.2023.3253942 (2024 Award)

IEEE JMMCT Best Paper Award

H.-X. Zhang, Q. Zhan, Li Huang, D.-W. Wang, Y.-D. Wang, W.-J. Wang, Z.-G. Zhao, H.J. Zhou, K. Kang, L. Zhou, and W.-Y. Yin, "Multiphysics Computing of Challenging Antenna Arrays Under a Supercomputer Framework," in IEEE Journal on Multiscale and Multiphysics Computational Techniques, vol. 8, pp. 165-177, 2023, doi: 10.1109/JMMCT.2023.3254661

2025 IEEE AP-S Fellows

Presenter Gianluca Lazzi, IEEE AP-S Awards Committee Chair

2025 IEEE AP-S Fellows Evaluated by AP-S

Pai-yen Chen "For contributions to mesoscopic and multiscale electromagnetics for antenna and sensor applications"

Simon Cotton "For contributions to the modelling of fading channels"

Nelson Fonseca "For contributions to microwave beamforming techniques and technologies in terrestrial and space wireless communication systems"

Maokun Li "For contributions to nonlinear inversion algorithms for subsurface imaging"

Ying Liu "For contributions to the development of antennas with low radar cross-section"

Simone Paulotto "For contributions to 5G mm-wave and leaky-wave antennas "

Satish Sharma "For contributions to antennas design for satellite and radar applications"

Manuel Sierra "For contributions to antenna measurement techniques and planar antennas design

Chow-yen-desmond Sim "For contributions to the practical design and application of high- isolation broadband antennas and arrays"

Shuai Zhang "For contributions to antennas for mobile communications"

2025 IEEE AP-S Fellows Elevated by Other Societies

Hiroshi Harada "For technical leadership and contributions in wireless smart utility networks and software-defined cognitive radio"

Hao Xu "For leadership in development of radio propagation and MIMO technology in mobile communications"

Kamran Entesari "For contributions to millimeter-wave high-efficiency front ends and high-linearity mixer-first receivers"

Kamran Ghorbani "For contributions to microwave sensors and multifunctional microwave structures"

Shinohara Naoki "For contributions to wireless power transfer technologies and applications"

Aarno Parssinen "For contributions to direct conversion and digital RF transceivers and hardware-aware communications systems"

Costas Sarris "For contributions to microwave and electromagnetic field computations"

Kaushik Sengupta "For contributions to millimeter-Wave and terahertz technology in silicon-based integrated circuits"

Pavel Nikitin "For contributions to the analysis and design of RFID tags and systems"

Outgoing AP-S President, Committee Chairs, AdCom Members

Presenter Christophe Fumeaux, IEEE AP-S President

- 2024 IEEE AP-S President: Branislav M. Notaroš
- 2025 Symposium General Chair and Co-Chairs: David Michelson, Chair; Yahia Antar, Co-Chair; George Eleftheriades, Co-Chair; Ke Wu, Co-Chair; Ahmed Kishk, Co-Chair
- 2025 Symposium Technical Program Co-Chairs: Natalia Nikolova, Marco Antoniades, Ashwin Iyer, Loïc Markley
- Outgoing AdCom Members (term ending in 2024): Anisha Apte, Reyan Baktur, Ashwin Iyer, Jiro Hirokawa, Matha Moghaddam (Past President)
- Editor-in-Chief, IEEE Journal on Multiscale and Multiphysics Computational Techniques (JMMCT): Costas Sarris
- Chair, IEEE AP-S Publication Committee: Yang Hao
- Chair, IEEE AP-S Standards Committee: Vikass Monebhurrun
- Chair, Fellow Evaluation Committee: Douglas Werner
- Chair, Constitution and Bylaws Committee: Guido Lombardi
- Chair, Strategic Planning Committee: Mahta Moghaddam
- Chair, Young Professionals Committee: C.J. Reddy

Awards Ceremony I

Wednesday, 16 July 12:15-13:30 Canada Hall I & II

2025 IEEE AP-S Outstanding Chapter Awards

Presenter Ajay K. Poddar, AP-S Chapter Activities Committee Chair

- 1st Place (Gold): IEEE North Jersey AP/MTT Chapter
- 2nd Place (Silver): IEEE Ottawa AP/MTT Chapter
- 3rd Place (Bronze): Singapore AP/MTT Chapter; Delhi AP/RFID Chapter; Sangamner AVCOE AP SBC Chapter

2025 IEEE AP-S Outstanding Young Professional of the Year Award

Presenters Q. Abbasi, AP-S YP Committee Chair and C.J. Reddy, IEEE AP-S President Elect

- Dr. Lei Guo

2025 Raj Mittra Travel Grant

Presenter Gianluca Lazzi, IEEE AP-S Awards Committee Chair, and Raj Mittra

- Dr. Saptarshi Ghosh, Indian Institute of Technology Indore, India

2025 CJ Reddy Travel Grants

Presenter CJ Reddy, IEEE AP-S President-Elect

- Jinzhi Bai (Southeast University, China)
- Suryarajitha Inapurapu (Indian Institute of Technology Roorkee, India)
- Bumhyun Kim (Pohang University of Science and Technology, Korea)
- Martin Petek (KTH Royal Institute of Technology, Sweden)
- Shreya Pourush (Indian Institute of Technology, Kanpur, India)
- Nelson Castro Salas (University Carlos III of Madrid, Spain)

2025 Mojgan Daneshmand Grant

Presenter Claire Migliaccio, AP-S Diversity, Equity, Inclusion and Sense of Belonging Committee Chair

- Astrid Algaba Brazález
- Diana Sofía López Cárdenas
- Giada Maria Battaglia
- Hadeel Elayan
- Kaitlin Hall
- Li Zhang
- Maha Hesham Elfeshawy
- Mehri Ziaee Bideskan
- Subhadrita Ghosh
- Xing Li
- Yi He
- Zahra Sarpanah Sourkouhi

2025 Industry Paper Competition

Presenters Jiang Zhu and Rod Waterhouse, Chairs, Industrial Initiative Committee

- Jean Temga, Silicon Austria Labs, Austria; Peter Bauer, TIGER Coatings GmbH & Co. KG, Austria; Michael J. Haslinger, PROFACTOR GmbH, Austria; Saeid Karamzadeh, Silicon Austria Labs, Austria, " TU-A6.2A.2 | 3-D Printable Crossover-Free WR12 Butler Matrix for a 1x4 Beamforming Antenna Array"
- Brendan Nunan, Sean Torrez, Physical Sciences, Inc., United States, "TU-SS.2A.1 | Electrically Tunable Phase Shifter for HPM Antenna Arrays"
- Amir Bahrami, Christophe Caloz, KU Leuven, Belgium, "TU-SS.4A.2 | Envelope Shaping using Accelerated Modulation"
- Winfried Simon, IMST GmbH, Germany; Benoit Derat, Rohde & Schwarz GmbH, Germany; Aline Friedrich, Andreas Lauer, Thorsten Liebig, David Schaefer, IMST GmbH, Germany, "TU-A6.1P.4 | Vehicle Integrated Antenna Performance Prediction Using an Antenna Digital Twin"
- Astrid Algaba-Brazález, Polytechnic University of Cartagena, Spain; Martin Johansson, Ericsson AB, Sweden; José Luis Gómez-Tornero, Polytechnic University of Cartagena, Spain; Lars Manholm, Ericsson AB, Sweden, "TU-A3.1P.4 | Investigation of signal leakage suppression by using different shapes of glide-symmetric unit cells"
- William Milestone, Andrew Foley, Shawn Wimer, Mark Lucente, Nanohmics Inc., United States, "WE-SS.3A.1 | Rapid and adaptable microwave metalens design process"
- Sara Manafi, NASA Jet Propulsion Laboratory, United States, "WE-A6.2P.1 | EnVision Venus Synthetic Aperture Radar Antenna Feed Design"
- Max Xin, Andrew Wang, Lunewave, United States; Chun-Cheng Chang, Shu-Fen Wung, the university of arizona, United States; Min Liang, Lunewave Inc., United States, "TH-A6.2A.6 | A Novel Millimeter Wave (mmW) Luneburg Lens Imaging Radar for Indoor Fall Detection"
- Meicheng Liu, Jin Wu, Zhenshuai Fu, Yuefeng Hou, Tianjin University, China; Kunpeng Wei, Xiaomi Communications Co. Ltd., China; Kaixue Ma, Tianjin University, China, "FR-A2.2A.1 | Circularly Polarized Phased Array With Improved Axial Ratio Bandwidth and Enhanced Beamforming for Beam-tracking and Video-Transmission Demonstration System"

2025 TICRA Foundation Travel Grants

Presenter Tonny Rubaek, TICRA

- Landon R. Carroll
- Ali Ghadimi
- Yang Hong
- Jihwan Lee
- Johan Lundgren
- Adrien Merlini
- Marie-Anaïs Petit
- Yiwen Zhang

2025 IEEE AP-S Student Travel Grants

Presenter George Shaker, Committee Chair

- Raja Boussada, National Engineering School Gabes
- Yanwen Chen, University of Siena

- Dennis Cherogony, Technical University of Kenya
- Sam Clark, University of Alberta
- Emanuel Colella, Università Politecnica delle Marche
- Sebastian Beiza Diaz, Universidad Carlos III de Madrid
- Christopher Erickson, Colorado State University
- Yuqi He, The Hong Kong Polytechnic University
- Akinloye Josiah, Nexford University
- Jiawang Li, Lund University
- Mohamed Magdy, Nile University
- Stefano Moda, Politecnico di Torino
- Mohamed Mohamed, Institute of Aviation Engineering and Technology
- Farooq Muhammad, University of Glasgow
- Jll Mutia, Multimedia University of Kenya
- Cao Hong Phuc Nguyen, University of Technology Sydney (UTS).
- Fatemeh Niknahad, University of British Columbia
- Gonzalo Nunez Munoz, University of Illinois Urbana-Champaign
- Oluwasegun Oke, University of Alabama
- Shrawan Kumar Patel, Indian Institute of Technology Kharagpur
- Adham Saad, Zewail City University of Science and Technology
- Alperen Sari, University of Birmingham
- Sky Semone, Pennsylvania State University
- Kushagra Singhal, University of Toledo
- Quanfeng Wang, Technische Universität München
- Zabetiakmal Mahsa, Polytechnique Montreal
- Mohammad Zaqumi, Macquarie University

Student Paper Competition Awards

Presenters Mohamed Emara and Joseph Botros, SPC Committee

- Yuqi He, Wei Lin, The Hong Kong Polytechnic University, China, "TU-A2.1A.10: Ultra-Wide Angle Scanning Millimeter Wave Antenna Arrays with More Than ± 90° Half-Power Beam Coverage"
- Ricardo E. Sendrea, Constantinos L. Zekios, Stavros V. Georgakopoulos, Florida International University, United States, "TH-A5.1P.6: An Efficient Faulty-Array Diagnosis Approach via Near-Field Measurements and Exploiting Periodic Characteristic Mode Analysis Information"
- Zhaoyang Ming, Junhui Rao, Chi Yuk Chiu, Ross Murch, The Hong Kong University of Science and Technology, China, "WE-A2.2P.5: A Reconfigurable Dual-Band Shared-Aperture Antenna for Centimeter-Wave/Sub-6 GHz Communication Applications"
- Alexander Mackay, George Eleftheriades, University of Toronto, Canada, "WE-A1.1A.1: A Wideband Frequency-Converting Mixer Circulator for Full-Duplex Antennas"
- Cao Hong Phuc Nguyen, Xiaojing Huang, J. Andrew Zhang, University of Technology Sydney (UTS), Australia, "TH-A5.1P.5: Single-Antenna Non-Coherent Imaging via Circular and Spiral SAR"
- Pardha Sourya Nayani, Younes Ra'di, Syracuse University, United States, "WE-A3.1P.2: Approaching Fundamental Limits on Bandwidth-to-Thickness Ratio for Electrically Thin Absorbers through Dispersion Engineering"
- Yuanzhi Liu, Costas Sarris, University of Toronto, Canada, "TH-A3.1A.1: Harnessing Mutual Coupling to Suppress Quantization Lobes in 1-bit Reconfigurable Intelligent Surfaces"
- Nahian Ibn Hasan, Luis J. Gomez, Purdue University, United States, "TU-A4.1P.9: Modeling Pyramidal Neurons Using Bidomain BEM and Hierarchical Matrix Approximation"
- Gonzalo Núñez Muñoz, Shen Lin, Zhen Peng, University Of Illinois at Urbana-Champaign, United States, "TU-A4.1A.5: High-Performance GPU-Accelerated Time-Domain Analysis of Large High Quality Factor Cavities on a Single Workstation"
- Fanchao Zeng, Ming Li, Can Ding, Jay Guo, University of Technology Sydney (UTS), Australia, "WE-A2.1P.4: A Blass-Like Generalized Joined Coupler (GJC) Matrix Antenna System for Multibeam and Multi-Polarization Synthesis"
- Yi He, Gengming Wei, Can Ding, Jay Guo, University of Technology Sydney, Australia, "WE-A2.2P.3: A New Aperture-Sharing Method for Dual-Band Antenna Arrays"
- Mengxia Hu, Gaobiao Xiao, Shanghai Jiao Tong University, China, "WE-A4.1A.10: Rapid Analysis of Conformal Arrays Using T-Matrix Module Based on Spherical Wave Expansion"

Student Design Contest Awards

Presenters Glauco Fontgalland and Shih-Yuan Chen, SDC Committee

University of Waterloo, Canada

Team's Name – BioLens Vanguard

Mentor's Name – George Shaker

Team members: Mohammad Omid Bagheri (Graduate Student-PhD), Veronica Leong (Graduate Student-MS), Justin Chow (Undergraduate Student), and Josh Visser (Undergraduate Student).

Amrita School of Engineering, India

Team's Name – Field Beacon

Mentor's Name – Harshavardhan Singh

Team members: Ajay U (Undergraduate Student), Dhayadharsh S M (Undergraduate Student), Gurudev R N (Undergraduate Student), and V Vishnu (Undergraduate Student).

Universidad Nacional de Colombia, Colombia

Team's Name – TeamECHO

Mentor's Name – Nicolas Mora Parra

Team members: Nicolai Rodriguez (Undergraduate Student), Gabriela Talero (Undergraduate Student), and Fabian Fracica (Graduate Student).

University of South Florida, USA

Team's Name – TeamNeptune

Mentor's Name – Stavros Vakalis

Team members: Roberto Montero (Graduate Student), Shivani Sharma (Graduate Student), Farida Winters (Undergraduate Student), Adler Montero Padilla (Undergraduate Student), and Rushabh Dhyani (Undergraduate Student).

Universidad Carlos III de Madrid, Spain

Team's Name – UC3M_BTS

Mentor's Name – Eva Rajo-Iglesias

Team members: Maria Toledo Velasquez (Undergraduate Student), Angel Casado Quinzano (Undergraduate Student), Nelson Castro Salas (Graduate Student-PhD), and Sebastian Diaz Beiza (Graduate Student-PhD).

Warsaw University of Technology, Poland

Team's Name – WaveSpotters

Mentor's Name – Grzegorz Bogdan

Team members: Stanisław Słowiński (Undergraduate Student), Michał Bandych (Undergraduate Student), Radosław Rytel-Kuc (Undergraduate Student), Igor Skiba (Undergraduate Student), and Wiktor Jastrzębski (Undergraduate Student).

IEEE AP-S Society Recognitions

Presenter Christophe Fumeaux, IEEE AP-S President

AP-S Volunteers Completing their Service:

- New Technology Directions Committee: Alkim Akyurtlu, Saikat Bakshi, Charlotte Blair, Fikadu Dagefu, Katherine Duncan, Elise Fear, Lars Foged, Shaoying Huang, Yi Huang, Gregory Huff, Zhihao Jiang, Rick Kindt, Tian Hong Loh, Vignesh Manohar, Vikass Monebhurrun, Rajesh Paryani, Christian Pichot Gerry Ricciardi, Francesca Vipiana, Rod Waterhouse, Ruey-Beei Wu, Yang Yang
- Technical Committee on Antenna Measurements: Wonbin Hong, Debatosh Guha, Ali Gharsallah, Hang (Steve) Wong, Benoit Derat, Vicente Rodriguez, Tian Loh
- Industrial Initiatives and Listings Committee: Rod Waterhouse (Chair), Agostino Monorchio, Hai Zhao
- Standards Committee: Vikass Monebhurrun (Chair), Mark Dorsey, Wajih Elsallal, Warren Stutzman
- Fellow Evaluation Committee: Douglas Werner (Chair), Sadasiva Rao, Yingjie (Jay) Guo, Marta Martinez-Vazquez, Alessandra Costanzo Dan Jiao, Stephen Gedney
- Constitution and Bylaws Committee: Guido Lombardi (Chair), Kwai Man Luk, Christophe Fumeaux
- Strategic Planning Committee: Mahta Moghaddam (Chair), Trevor Bird, Weng Chew, Christophe Fumeaux, Debatosh Guha, Yang Hao, Koichi Ito, Gianluca Lazzi, Stefano Maci, Claire Migliaccio, Vladimir Okhmatovski, Ajay Poddar, Magdalena Salazar-Palma, Kamal Sarabandi, Jawad Siddiqui, Rod Waterhouse, Douglas Werner
- Membership and Benefits Committee: Tan Eng Leong, Puneet Mishra
- Member and Geographic Activities Committee: Patricia Castillo Aranibar

- Education Committee: Cynthia Furse, David Kelley, Buon Kiong (Vincent) Lau, Amanda Malone, Jose Martinez-Lorenzo, Jayanti Venkataraman
- Young Professionals Committee: C.J. Reddy (Chair), Nelson Fonseca, Khaled Obeidat, Jiang Zhu
- Diversity, Equity, Inclusion, and Belonging Committee: Weng Chew
- Special Interest Group on Humanitarian Technology (SIGHT) Committee: Christophe Baer, Charlotte Blair, Ali Gharsallah, Vikass Monebhurrun
- Committee on Promoting Equality (COPE): Claire Migliaccio, Vikass Monebhurrun
- IEEE Transactions on Antennas and Propagation (TAP) - Associate Editors: Jacob Adams, Eva Antonino-Daviu, Pai-Yen Chen, Maokun Li, Nghia Nguyen-Trong, Sana Salous, Marco Salucci, Dimitrios Sounas, James West, Steve Hang Wong, Shiwen Yang
- IEEE Transactions on Antennas and Propagation (TAP) - Track Editors: Francesco Andriulli, Ashwin Iyer, Guido Lombardi, Tzyh-Ghuang Ma
- IEEE Transactions on Antennas and Propagation (TAP) – Outstanding Associate Editors: Simon Adrian, Mirko Barbuto, Filberto Bilotti, Mohamed Elmansouri, Nelson Fonseca, David González-Ovejero, Sima Noghanian, Pei-Yuan Qin
- IEEE Antennas and Wireless Propagation Letters (AWPL) - Associate Editors: María Elena de Cos, Maria Pour, Joseph Costantine
- IEEE Antennas and Wireless Propagation Letters (AWPL) – Outstanding Associate Editors: Lu Guo, Okan Yurduseven, Alexander Martynyuk, Mirko Barbuto, Ping Jack Soh, Can Ding, Kun Li, Huapeng Zhao, Xiu-Yin Zhang, Haihan Sun, Yujian Li, Minseonk Kim, Xuesong Cai, Xingqi Zhang
- IEEE Antennas and Wireless Propagation Letters (AWPL) – Outstanding Track Editors: Xiaoming Chen
- IEEE Antennas and Wireless Propagation Letters (AWPL) – Outstanding Guest Editors: Tie Jun Cui, Martino Aldrigo, Wei Hu, Shu-Lin Chen
- IEEE Open Journal of Antennas and Propagation (OJAP) – Senior Editor: Jiang Zhu
- IEEE Open Journal of Antennas and Propagation (OJAP) – Associate Editors: Qammer Abbasi, Jaume Anguera, Jorge Costa, Sema Dumanli, Stavros Georgakopoulos, Irene Karanasiou, Mengmeng Li, Leonardo Lizzi, Yasuo Morimoto, Giuseppe Schettini, Wei E.I. Sha, Mohammad S. Sharawi, Constantine Sideris, Qianyun Zhang
- IEEE Open Journal of Antennas and Propagation (OJAP) – Outstanding Associate Editors: Min Li, Ahmed Abdelmottaleb Omar, Hai-han Sun
- IEEE Antennas and Propagation Magazine – Editor of the Young Professionals column: CJ Reddy
- IEEE Antennas and Propagation Magazine – Editor of the Women in Engineering column: Francesca Vipiana
- IEEE Antennas and Propagation Magazine – Editor of the EM Programmer's Notebook column: Matthys Botha
- IEEE Antennas and Propagation Magazine – Editor of the Education Corner column: Sean Hum
- IEEE Antennas and Propagation Magazine – Editor of the Industry Initiatives column: Rod Waterhouse
- IEEE Antennas and Propagation Magazine – Editor of the Measurements Corner column: Debatosh Guha
- IEEE Antennas and Propagation Magazine – Features Editor: Ruisi He
- IEEE Journal on Multiscale and Multiphysics Computational Techniques (JMMCT) – Associate Editors: Jiefu Chen, Chao-Fu Wang, Markus Clemens

2025 IEEE Electromagnetics Award

Prof. G. Eleftheriades *For contributions to engineered surfaces and metasurfaces with application to antennas, cloaking, and sub-diffraction imaging*

George V. Eleftheriades (S'86–M'88–SM'02–F'06) earned a Diploma in Electrical Engineering from the National Technical University of Athens, Greece. He received the M.S.E.E. and Ph.D. degrees in electrical engineering from the University of Michigan, Ann Arbor, MI, USA, in 1989 and 1993, respectively.

From 1994 to 1997, he was with the Swiss Federal Institute of Technology, Lausanne, Switzerland. Currently, he is a Professor in the Department of Electrical and Computer Engineering at the University of Toronto, ON, Canada, where he holds the Velma M. Rogers Graham Chair in Nano- and Micro-Structured Electromagnetic Materials. Previously (2005-2019) he held a Tier-1 Canada Research Chair in Microstructures and Nanostructured Metamaterials.

Eleftheriades is a recognized international authority and pioneer in the field of metamaterials and metasurfaces—engineered materials with electromagnetic properties not found in nature. He introduced a novel method for synthesizing metamaterials using loaded transmission lines and, more recently, proposed the concept of "field-discontinuity" metasurfaces, enabling complete control over impinging electromagnetic waves. Together with his graduate students, he achieved the first experimental demonstration of imaging beyond the diffraction limit using a Veselago-Pendry lens. He has also pioneered several innovative antennas and microwave components based on transmission-line metamaterials.

His research has significantly advanced the field by revealing the unique electromagnetic behaviors of metamaterials and metasurfaces, which have since been applied to lenses, radomes, cloaks, antennas, phased arrays and a range of microwave and optical devices—driving progress in wireless and satellite communications, defense, medical imaging and therapy, super-resolution microscopy, and radar sensors.

Currently, he leads a group of graduate students and researchers in the areas of electromagnetic and optical metasurfaces, antennas and components for broadband wireless communications, novel antenna beam-steering techniques, far-field super-resolution imaging, wireless power transfer, radars, plasmonic and nanoscale optical components, and fundamental electromagnetic theory.

Prof. Eleftheriades served as an Associate Editor and currently serves as a Track Editor for the IEEE Trans. on Antennas and Propaagation. He was a member of the IEEE AP-S Administrative Committee (AdCom) from 2007 to 2012 and an IEEE AP-S Distinguished Lecturer from 2004 to 2009. In 2010, he served as the General Chair of the IEEE International Symposium on Antennas and Propagation, held in Toronto, Ontario, Canada.

His co-authored papers have received numerous accolades, including the 2009 Best Paper Award from the IEEE Microwave and Wireless Components Letters, the R. W. P. King Best Paper Award from the IEEE Transactions on Antennas and Propagation in both 2008 and 2012, and the 2014 Piergiorgio Uslenghi Best Paper Award from the IEEE Antennas and Wireless Propagation Letters. In 2004 he received an E.W.R. Steacie Fellowship from the Natural Sciences and Engineering Research Council of Canada. In 2009, he was elected a Fellow of the Royal Society of Canada and in 2018 he received the Research Leader Award from the Faculty of Applied Science and Engineering of the University of Toronto. His career has been recognized with several IEEE honors, including the 2008 IEEE Kiyo Tomiyasu Technical Field Award, the 2015 IEEE John Kraus Antenna Award, the 2019 IEEE Antennas and Propagation Distinguished Achievement Award, and the 2025 IEEE Electromagnetics Award.

2025 Distinguished Achievement Award

Dr. Roberto Graglia *For seminal contributions to the development of higher-order methods and singular basis functions for computational electromagnetics and for service to the electromagnetics community.*

Roberto D. Graglia received the Laurea degree (summa cum laude) in Electronic Engineering from the Politecnico di Torino, Italy, in 1979, and the Ph.D. degree in Electrical Engineering and Computer Science from the University of Illinois at Chicago (UIC), USA, in 1983. From 1980 to 1981, he was a Research Engineer at CSELT (now Telecom Italia Lab S.p.A.) in Torino, and from 1981 to 1983, he served as a Teaching and Research Assistant at UIC.

He was a Lecturer at the Politecnico di Torino from 1984 to 1991, and a Researcher with the Italian National Research Council (CNR) from 1985 to 1992, where he led several international research projects. He was also an Associate Visiting Professor at UIC in 1991 and 1993. In 1992, he joined the Department of Electronics and Telecommunications at the Politecnico di Torino as an Associate Professor, where he has been a Full Professor of Electrical Engineering since 1999.

His current research interests include numerical methods in electromagnetics, theoretical and computational techniques for electromagnetic scattering and wave interactions with complex media, antennas, and electromagnetic compatibility (EMC). Over the course of his career, Professor Graglia has led numerous national and international research projects and has over 35 years of distinguished service within the IEEE.

He served as President of the IEEE Antennas and Propagation Society (AP-S) in 2015. He has been a member of the Editorial Board of Electromagnetics (Taylor & Francis) since 1997, and was one of three Guest Editors of the first ever Special Issue of the IEEE Transactions on Antennas and Propagation dedicated to Advanced Numerical Techniques in Electromagnetics (March 1997).

During his AP-S presidency, he initiated the IEEE Journal on Multiscale and Multiphysics Computational Techniques, a publication focused on the computational methods he pioneered. Professor Graglia has served as Associate Editor for several key IEEE journals, including IEEE Transactions on Antennas and Propagation, IEEE Transactions on Electromagnetic Compatibility, and IEEE Antennas and Wireless Propagation Letters.

He has been a Distinguished Lecturer of the IEEE AP-S since 2009, Chair of the AP-S Meetings Committee (2017–2020), and since 2025, Chair of the AP-S Strategic Planning Committee. He has served as General Chair of the International Conference on Electromagnetics in Advanced Applications (ICEAA) since 1999, and of the IEEE AP-S Topical Conference on Antennas and Propagation in Wireless Communications (IEEE-APWC) since 2011. He is a Life Fellow of IEEE, the recipient of the 2021 IEEE AP-S Harrington–Mittra Computational Electromagnetics Award and an elected member of the Accademia delle Scienze di Torino, founded by Giuseppe Luigi Lagrange in 1783.

2025 Chen-To Tai Distinguished Educator Award

Dr. Kwai Man Luk *For significant contributions in education of antenna theory, design and applications.*

Kwai Man Luk is the Senior Vice-President of the Hong Kong Academy of Engineering and a Chair Professor of Electronic Engineering at City University of Hong Kong (CityUHK). He received his Bachelor and Ph.D. degrees in electrical engineering from The University of Hong Kong.

Since joining CityUHK in 1992, he served as Head of Department of Electrical Engineering and the Founding Director of the State Key Laboratory of Terahertz and Millimeter Waves.

His major interest is in conducting antenna research and education and is currently the Project Coordinator of an Area-of-Excellence Project entitled: "Advanced Antenna Technology for a Smart World" which is the most competitive and largest research grant supported by the Research Grant Council of Hong Kong. He supervised over 39 Ph.D. students and many postdoctoral fellows.

He authored the reference book entitled: "Magnetoelectric Dipole Antennas", and co-authored the popular text book entitled: "Microstrip Patch Antenna" with Prof. Kai Fong Lee. He holds 27 patents, delivered over 100 invited talks, and published more than 420 journal papers. Together with his students, he received more than 30 paper awards.

He organized many international conferences and was the General Chair of the 2020 Asia-Pacific Microwave Conference held in Hong Kong. He was an elected member of the IEEE APS Administrative Committee from 2021 to 2023. He was the Chair of the IEEE APS Distinguished Lecturer Program Committee, Field Award Committee and Best Paper Award Committee. He was a Chief Guest Editor for a special issue on "Antennas in Wireless Communications" published in the Proceedings of the IEEE in 2012, and for a special issue on "Advanced Antennas for Wireless Connectivity" published in Engineering in 2022. He is a Deputy Editor-in-Chief of PIERS journals and the Chair of the Fellow Committee of the Electromagnetic (EM) Academy.

He is a Life Fellow of the IEEE, and an elected Fellow of the Hong Kong Academy of Engineering, Royal Academy of Engineering, IET, HKIE, Chinese Institute of Electronics and the EM Academy.

He won many accolades, including the 2000 Croucher Foundation Senior Research Fellowship in Hong Kong, 2011 State Technological Invention Award of China, 2017 IEEE APS John Kraus Antenna Award, 2019 Ho Leung Ho Lee Prize for Science and Technology Progress in China, and 2022 Guanghua Engineering Science and Technology Prize in China.

2025 John Kraus Antenna Award

Dr. Nader Behdad *For pioneering contributions to electrically-small-antenna and reduced-complexity phased-array technologies.*

Nader Behdad (S'98-M'06-SM'12-F'17) received the B.S. degree in Electrical Engineering from Sharif University of Technology in 2000 and the M.S. and Ph.D. degrees in Electrical Engineering from University of Michigan - Ann Arbor in 2003 and 2006, respectively. Currently he is the McFarland-Bascom Professor in the Department of Electrical and Computer Engineering of the University of Wisconsin-Madison. Dr. Behdad's research expertise is in the area of applied electromagnetics with particular focus on electrically small antennas, phased-array antennas, bio-electromagnetics, microwave ablation, microwave periodic structures, and high-power microwaves. He has 23 U.S. patents in these areas. Dr. Behdad has served as a consultant on topics related to designing antennas and phased arrays to industry. He has also served as a consultant and an expert witness for different U.S. law firms on topics related to intellectual property disputes as well as cell phone record analysis and historical cell site analysis. Over the years, Dr. Behdad's research has been sponsored by various U.S. Federal agencies including the U.S. Navy, U.S. Air Force, U.S. Army, National Science Foundation, and the Defense Health Agency among others.

Dr. Behdad has graduated 29 Ph.D. and 15 M.S. students so far and served as the research advisor of 33 other post-doctoral research fellows and visiting scholars. He received the Harvey D. Spangler Faculty Scholar Award, the H. I. Romnes Faculty Award, and the Vilas Associates Award from the University of Wisconsin-Madison. Dr. Behdad is also the recipient of the 2021 H. A. Wheeler Prize Paper Award, the 2014 R. W. P. King Prize Paper Award, and the 2012 Piergiorgio L. E. Uslenghi Letters Prize Paper Award of the IEEE Antennas and Propagation Society. In 2011, he received the CAREER award from the U.S. National Science Foundation, the Young Investigator Award from the United States Air Force Office of Scientific Research, and the Young Investigator Award from the United States Office of Naval Research. Dr. Behdad is serving as a member of the Fellow Election Committee of IEEE Nuclear and Plasma Sciences Society and served as the 2020 chair of the paper awards committee of the IEEE Antennas and Propagation Society. He also served as an Associate Editor for IEEE Antennas and Wireless Propagation Letters (2011-2015) and as the co-chair of the technical program committee of the 2012 IEEE International Symposium on Antennas and Propagation and USNC/URSI National Radio Science Meeting.

2025 Lot Shafai Mid-Career Distinguished Achievement Award

Dr. Negar Ebadi *For pioneering contributions to microwave and millimeter-wave antenna solutions and imaging technologies for biomedical applications and for being a role model for women in engineering.*

Negar Ebadi (formerly Tavassolian) (Senior Member, IEEE) received the B.Sc. and M.Sc. degrees in electrical engineering from Sharif University of Technology, Tehran, Iran, and McGill University, Montreal, Canada respectively. She received the Ph.D. degree in electrical engineering from Georgia Institute of Technology in 2011 and was a Postdoctoral Associate at the David H. Koch Institute for Integrative Cancer Research at Massachusetts Institute of Technology from 2011–2013. Dr. Tavassolian joined the Department of Electrical and Computer Engineering at Stevens Institute of Technology as an Assistant Professor in 2013 and was promoted to Associate Professor with tenure in 2019. In 2022, she was a Visiting Associate Professor in the Department of Anesthesiology, Perioperative and Pain Medicine at Stanford University School of Medicine. She subsequently joined Johnson & Johnson MedTech in 2023, where she worked in the Surgical Robotics division. Since 2025, she is part of the EMC Design Group at Apple Inc., where she focuses on electromagnetic compatibility in consumer electronic devices.

Negar's research has been focused on microwave and millimeter-wave antenna systems, biomedical imaging, and non-contact physiological monitoring technologies. She has led pioneering efforts in ultra-wideband radar and high-resolution millimeter-wave imaging for medical diagnostics. Her work has been supported by various agencies, including the National Science Foundation, U.S. Army, NIH, and NASA. She has authored over 150 peer-reviewed publications and holds seven U.S. patents. Her contributions have been recognized with several honors, including the NSF CAREER Award, the NSF Mid-Career Advancement (MCA) Award, and the Provost Early Career Award for Research Excellence at Stevens Institute of Technology. Dr. Ebadi has served as an Associate Editor for the IEEE Antennas and Wireless Propagation Letters (AWPL) and as a Technical Program Committee member for IEEE MTT-10: Biological Effects and Medical Applications of RF and Microwaves. She was also selected as an IEEE MTT-S Distinguished Microwave Lecturer for the 2024–2026 term.

2025 Harrington-Mittra Award in Computational Electromagnetics

Dr. Cynthia Furse *For Fundamental contributions to and innovations in the theory and applications of the Finite Difference Time Domain (FDTD) method in Bioelectromagnetics.*

Cynthia M. Furse is a Fellow of the IEEE, the National Academy of Inventors (NAI), and the Applied Computational Electromagnetics Society (ACES) . She is a Distinguished Professor of Electrical and Computer Engineering at the University of Utah, Salt Lake City, Utah, USA, where she was also the Associate Vice President for Research from 2009-2019. Her research interests are the application of electromagnetics to sensing and communication in complex lossy scattering media such as the human body, geophysical prospecting, ionospheric plasma, and complex wiring networks.

Dr. Furse is a founder of LiveWire Innovation, Inc., a spin-off company from her research, commercializing devices to locate intermittent faults on live wires. Dr. Furse is an expert in computational electromagnetics, particularly the finite difference time domain (FDTD) method applied to bioelectromagnetics. She developed one of the first MRI-derived human body models, some of the earliest simulations of the cell phone near the human body, and efficient methods for bioEM simulations. She applied these methods to the design of implantable antennas, evaluation of the effects of tissue variability, and more recently to the development of spread spectrum microwave breast cancer detection.

Prof. Furse has been an active teacher and a leader in the development of the flipped classroom, and is well-known for her video lectures and open access circuits textbook. Dr. Furse is an Associate Editor for the Transactions on Antennas and Propagation (AP), a past Administrative Committee member for the IEEE AP society, IEEE APS Distinguished Lecturer, past chair of the IEEE AP Education Committee, and current chair of the APS Fellow nomination committee.

She has received numerous teaching and research awards including the 2020 IEEE Chen To Tai Distinguished Educator Award, the 2009 IEEE Harriett B. Rigas Award, and the 2017 Utah Governor's Medal for Science and Technology, and the 2017 Pioneers of Progress Award for Scientific Achievement. Dr. Furse has co-authored four books (Introduction to Bioelectromagnetics, Circuits, The World of Applied Electromagnetics, and the History of Emigration Canyon), contributed to chapters in several others, and co-authored over 130 journal publications and 200 conference presentations. She holds 16 patents. Her greatest accomplishment is her students – 24 PhD students, 66 masters students, and over 225 undergraduate research students.

2025 Distinguished Industry Leader Award

Dr. Yihong Qi *For leadership that bridges antenna and electromagnetic research with real-world engineering to enhance human well-being.*

Dr. Yihong Qi is an engineer, scientist, inventor, and entrepreneur. He founded Pontosense Inc., LinkE Inc., Sunway communications Inc. and General Test Systems. Additionally, he serves as an adjunct professor at the EMC Laboratory, Missouri University of Science and Technology, USA, and Western University, Canada and Shanghai Jiaotong University, China. From 1995 to 2010, he worked at Research in Motion (Blackberry) in Waterloo, ON, Canada, where he was the Director of Advanced Electromagnetic Research.

Dr. Qi holds over 600 granted and pending patents and has authored more than 150 scientific papers. He bridges Electromagnetics research to real-world engineering. His multi-band smart antenna technology, which positions the antenna at the bottom of mobile terminals, significantly reduces radio-wave radiation to the human head. This innovation has protected billions of smartphone users from potential electromagnetic hazards and addressed hearing aid compatibility issues, benefiting over 20 million users who rely on hearing aids.

His RF Over the Air measurement theory and technologies are widely used as international standards. His high-speed connector invention showcases leading performance for high-speed interconnects for computational servers and AI computation center. His wireless intelligent sensing innovation is the first mmWave wireless sensor used for child presence detection and driver monitoring in the automotive industry, and it is also applied globally in elderly care, health, and medical fields, earning multiple international awards. He is the founder and partner of five technological companies, employing more than 10,000 people globally.

Dr. Qi is a distinguished lecturer for the IEEE Antenna and Propagation Society and the IEEE EMC Society. He has received the IEEE EMC Society Technical Achievement Award. His inventions have garnered multiple accolades, including three CES Innovation Awards, the CES Network Product of the Year Award, the CES Wellness Product of the Year Award, and four Red Dot Awards among other awards. He contributes to the 3GPP and CTIA international standards. Dr. Qi is a Fellow of the IEEE, the Canadian Academy of Engineering, and the National Academy of Inventors.

2025 Industrial Innovation Award

Dr. Simone Paulotto *For contributing to innovation in mm-wave antennas for handheld devices.*

Simone holds a PhD in Applied Electromagnetics and an M.S. in Electronic Engineering from "La Sapienza" University of Rome.

He began his research career at La Sapienza and the University of Houston, supported by Sandia National Laboratories.

Subsequently, he assumed the position of Vice President of Research and Development at Maxtena Inc. Since 2016, he has been employed by Apple Inc.

With over two decades of experience, Simone specializes in electromagnetic theory, antenna design, and computational electrodynamics.

His recognitions include the "M. Sannino" prize (2006), a URSI Young Scientist Award (2008), and the Via Satellite Excellence Award (2016). His technical expertise spans 5G mm-wave systems, phased arrays, satellite communications, metamaterials, and more.

2025 Outstanding Service Award

Dr. Danilo Erricolo *For enduring contributions as long-serving Editor-in-Chief of the IEEE Transactions on Antennas and Propagation, significantly advancing its reach and impact; and for dedicated leadership as Chair of the flagship symposium and key committees.*

Danilo Erricolo received the Laurea degree (summa cum laude) in electronics engineering from Politecnico di Milano, Milan, Italy, and the Ph.D. degree in electrical engineering and computer science from the University of Illinois at Chicago (UIC), Chicago, IL, USA. He is a Professor and the Director of the Andrew Electromagnetics Laboratory in the Department of Electrical and Computer Engineering, an Adjunct Professor of Biomedical Engineering, and the Director of International Programs in the College of Engineering at UIC. During the summer of 2009, he was an Air Force Faculty Fellow at the Air Force Research Laboratory, Wright-Patterson Air Force Base in Dayton, OH, USA.

He has authored or coauthored more than 340 publications including refereed journals, international conferences, and book chapters. His research interests are primarily in the areas of antenna design, electromagnetic propagation and scattering, high-frequency techniques, wireless communications, electromagnetic compatibility, the computation of special functions, and magnetic resonance imaging.

Dr. Erricolo has an extensive record of service for the Institute of Electrical and Electronics Engineers (IEEE). He currently serves as Vice President of Conferences for the IEEE Antennas and Propagation Society (AP-S). He was the Editor-in-Chief of the IEEE Transactions on Antennas and Propagation (2016-2022) and one of only three editors in the history of the journal that served for two terms. He also served as Associate Editor for same journal (2013-2016). In addition, he was the Senior Associate Editor (2001-2008) and Associate Editor (2009-20014) for the IEEE Antennas and Wireless Propagation Letters.

He was the General Chairman of the 2012 IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting, held in Chicago, IL, USA in July 2012. He was an elected Member of the Administrative Committee of the IEEE AP-S (2012-2014). He was Chair of the IEEE AP-S Distinguished Lecturer Program (2015-2016) and of the IEEE Chicago Chapter of the Antennas and Propagation/Microwave Theory and Techniques Societies (2011-2016). He also contributed to the organization of a large number of international symposia by being a member of their steering committee, by participating in their technical program committee, and by organizing special sessions.

Dr. Erricolo has an extensive record of service for the U.S. National Committee (USNC) of the International Union of Radio Science (URSI), a committee of the US National Academies. In particular, he was Chair (2009- 2011), Vice Chair (2006-2008) and Secretary (2004-2005) of the USNC-URSI Commission E on Electromagnetic Environment and Interference; he was Chair of the USNC-URSI Ernest K. Smith Student Paper Competition (2009-2014) and Vice-Chair of the Local Organizing Committee of the XXIX URSI General Assembly, held in Chicago, IL, USA in August 2008.

He is a Fellow of IEEE, a Fellow of AAIA, a Fellow of AIIA, a Fellow of the Electromagnetics Academy, a University of Illinois Scholar, and the recipient of the Inaugural 2023 USNC-URSI Impact Award.

2025 Outstanding Service Award

Dr. Ajay K. Poddar *For exemplary dedication and selfless service to IEEE Antennas and Propagation Society's chapters, volunteers, and members through impactful leadership in global chapter development, membership growth, and humanitarian technology initiatives.*

Dr. Ajay K. Poddar is an IEEE Fellow and a member of IEEE Eta Kappa Nu, known globally for his significant contributions to electrical engineering, electronics, and communications. He obtained his graduate degree from the Indian Institute of Technology (IIT) Delhi, India, followed by a Doctorate (Dr.-Ing.) from the Technical University of Berlin, Germany, and a Post-Doctorate (Dr.-Ing. habil.) from Brandenburg Technical University Cottbus, Germany.

Dr. Poddar currently serves as Chief Scientist at Synergy Microwave Corp. in New Jersey, USA. In this role, he leads innovative research in signal generation and processing electronics, RF-MEMS, antennas, and metamaterial-based resonators and sensors designed for current and future electronics and communication systems. His work supports various applications, including industrial, medical, and aerospace technologies, and leverages AI-inspired electronic modules to enhance performance and reliability. Dr. Poddar is also engaged in academia, serving as a visiting professor at the University of Oradea (UO) in Romania and the Indian Institute of Technology (IIT) in Jammu, India, and as a guest lecturer at the Technical University of Munich (TUM) in Germany. He actively shares his expertise with students and researchers globally to advance technology for humanity.

Earlier in his career, Dr. Poddar worked as a Senior Scientist and Program Director at India's Defense Research and Development Organization (DRDO) under the Ministry of Defense from 1991 to 2001. During this time, he also served as a visiting professor at the University of Pune. Dr. Poddar has received numerous accolades that highlight his significant contributions to the fields of science and engineering, to name a few recent awards: 2023 RCA Armstrong Medal for outstanding contributions to radio and wireless communications, 2018 IEEE MGA Innovation Award for exceptional volunteer service and humanitarian projects, 2015 IEEE IFCS Cady Award for advancements in frequency-controlled electronics and timing devices, 2015 IEEE Region 1 Award for scientific leadership and service, and 2009 IEEE Region 1 Award for leadership in microwave systems research and development.

Dr. Poddar possesses an extensive body of work featuring over 350 published papers, the co-authorship of eight technical books or chapters, and the ownership of more than four dozen patents. His contributions have profoundly influenced the fields of science and engineering, with a particular focus on humanitarian technology designed to benefit society. Additionally, he has actively mentored a considerable number of graduate and Ph.D. students internationally and has served as an editor for various technical journals. Dr. Poddar is also engaged in several scientific committees and professional societies. Currently, he holds several distinguished leadership positions within IEEE, including Chair of the IEEE AP-S Chapter Activity Committee (CAC), Vice Chair of the IEEE AP-S Committee on Promoting Equality (COPE), Chair of the IEEE North Jersey Section Awards & Nominations Committee, as well as membership in the IEEE AP-S SIGHT and IEEE MTT-S Committees. Under his leadership, more than 200 IEEE chapters have been established across the globe, with a focus on underrepresented regions. This effort has led to record-high membership numbers in the AP-S, marking 75 years of excellence in the field. He actively promotes collaboration and community engagement while also engaging in humanitarian efforts through initiatives such as IEEE AP-S COPE, IEEE SIGHT, EPICS in IEEE, and IEEE Smart Village. Additionally, he addresses pressing global issues, including climate change, by forging partnerships with IEEE Inter-society and aligning with the United Nations' Sustainable Development Goals (SDGs).

2024 AP-S President

Branislav M. Notaroš

Branislav M. Notaroš is a Professor of Electrical and Computer Engineering, Director of Electromagnetics Laboratory, and University Distinguished Teaching Scholar at Colorado State University. Previously, he held assistant/associate-professor positions at the University of Massachusetts Dartmouth and University of Belgrade. His research contributions are in computational and applied electromagnetics. His publications include about 340 journal and conference papers, and several Electromagnetics textbooks.

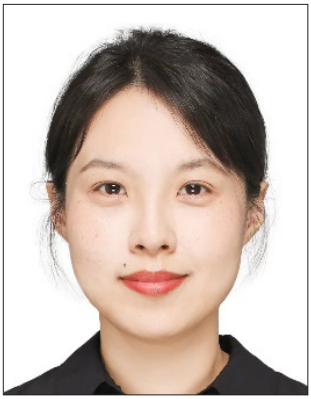
Prof. Notaros serves as Immediate Past President of the IEEE Antennas and Propagation Society (AP-S) and Applied Computational Electromagnetics Society (ACES), Immediate Past Chair of the USNC-URSI Commission B, and Track Editor of the IEEE AP Transactions. He served as General Chair of the IEEE APS/URSI 2022 Denver Conference, Chair of the IEEE AP-S Meetings Committee and Joint AP-S/USNC-URSI Meetings Committee, and AP-S AdCom member.

He was the recipient of the 1999 IEE Marconi Premium, 2005 IEEE MTT-S Microwave Prize, 2022 IEEE Antennas and Propagation Edward E. Altshuler Prize Paper Award, 2019 ACES Technical Achievement Award, 2014 Carnegie Foundation Colorado Professor of the Year Award, 2015 ASEE ECE Distinguished Educator Award, 2015 IEEE Undergraduate Teaching Award, and many other research and teaching awards. He is Fellow of IEEE and ACES.

During Prof. Notaros' service as 2024 AP-S President, the Society accomplished notable results, thanks to incredible work, enthusiasm, and contributions by all AP-S leaders, volunteers, and members, including: 25% membership growth in one year, topping the 13,000 members mark on December 31, 2024; 50 new chapters; 64% women membership growth in 2024; Fundamental changes of the Society structure, governance, and operation; Establishment of five Society Vice Presidents and Director of Intersociety Collaboration; New Technical Directions Committee; 12 inaugural IEEE AP-S Technical Committees; Restructuring the AP-S Finance Committee; Creation of Fellows and Awards Search Committees; New journals and collaborations: JSTEAP, T-TST, JWPT; Inaugural IEEE Latin American Conference on Antennas & Propagation (LACAP); Advancement of the IEEE AP-S Talent Development Fund; AP-S Standing Committees Vice Chairs; New intersociety initiatives; AP-S/URSI 2024 Florence Conference with record participations; and Spectacular 75th AP-S Anniversary Celebrations. More details on 2024: https://ieeeaps.org/75-years-celebration.

2025 IEEE AP-S Outstanding Young Professional of the Year Award

Dr. Lei Guo



Dr. Lei Guo received the B.Eng. degree in communication engineering from the Harbin Institute of Technology, Harbin, China, in 2011, and the Ph.D. degree in electronic engineering from the City University of Hong Kong, Hong Kong, China, in 2016. From 2016 to 2019, she was a postdoctoral research fellow with City University of Hong Kong, China and Poly-Grames Research Center, Polytechnique Montreal, Canada. She is currently an Associate Professor with the School of Information and Communication Engineering, Dalian University of Technology, Dalian, China.

She has authored/ co-authored more than 60 articles, and holds 12 patents including 6 US patents and 6 Chinese patents. She received the Student Best Paper Award in iWEM-2015 and her student won the Third-Place Prize in IEEE MTT-S FLASH Competition. She served as the organizing committee member in multiple international conference, e.g. 2018 IEEE MTT-S WPTC, 2022 ICMMT, 2023 MTT-S IWS, 2025 MTT-S IWS, and etc. She has continuously contributed to organizing women special sessions and activities for the IEEE Open Journal of Antennas and Propagation (OJAP) and the IEEE Transactions on Antennas and Propagation (TAP).

She served as a Guest Editor for special issues in IEEE OJAP (2021), IEEE MTT (2023), and IEEE AWPL (2025). She also takes lead in the launch of a WeChat Channel in China, for the promotion of IEEE TAP in China. Dr. Guo is now serving as an Associate Editor for both IEEE TAP and IEEE OJAP.

She was recognized as the Outstanding Associate Editor for OJAP in 2025, and was selected as AP-S Young Professional Ambassador for the same year. Her current research interests include wireless energy harvesting techniques, dielectric resonator antennas, millimeter-wave antenna arrays, and wireless sensing technologies.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