



Levent Sevgi

Distinguished Lecturer Program Chair's Note


I'm glad to inform you that we have selected 4 new distinguished lecturers (DL) for the IEEE AP Society to serve in the period 2025 – 2027:

- Dr. [Ozlem \(Özlem\) Ozgun \(Özgün\)](#), [Hacettepe Üniversitesi](#), Ankara – TR
Dr. [Nacer Chahat](#), NASA Jet Propulsion Lab / [Caltech](#), Pasadena, CA - USA
Dr. [Satish Sharma](#), [San Diego State University](#), San Diego, CA – USA
Dr. Eng Leong Tan, [Nanyang Technological University Singapore](#).

I wish our new distinguished lecturers a very productive and successful term.

Thanks to all DL Program Committee (DLPC) members, Nader Behdat, Kenneth K. F. Tong, Ari Sihvola, Jun Hu, Maria Kovalevo, Gunes Karabulut Kurt, Yue Ping Zhang, and Sema Dumanlı Otkar, for their efforts.


Picture 1 shows our new DLs; Dr. Özlem Özgün, Dr. Nacer Chatat, Dr. Satish Sharma, and Dr. Leong Tan. Pictures 2 and 3 show their bios and titles of their lectures.




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2025 - 2027 Distinguished Lecturers




**IEEE
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Antennas and Propagation Society




ÖZLEM ÖZGÜN
HACETTEPE University, TR



NACER CHATAT
NASA, CALTECH, US



ENG LEONG TAN
NANYANG Tech Univ., SG



SATISH SHARMA
SAN DIEGO State Univ., US

Picture 1: The new IEEE AP-S Distinguished Lecturers.

DISTINGUISHED LECTURERS



Levent Sevgi



IEEE AP-S 2025 Distinguished Lecturers



IEEE AP-S Distinguished Lecturer (2025 – 2027)



Özlem Özgün
Department of Electrical & Electronics Engineering
Hacettepe University, Ankara, Turkey
ozlem.ozgun@hacettepe.edu.tr

Özlem Özgün is currently a full professor in the Electrical and Electronics Engineering department of Hacettepe University, Ankara, Turkey. She received her B.Sc. and M.Sc. degrees from Bilkent University, Ankara, Turkey in 1998 and 2000, respectively, and her Ph.D. degree from Middle East Technical University (METU), Ankara, Turkey in 2007, all in Electrical and Electronics Engineering. She served as a postdoctoral researcher at TÜBİTAK İTAMER (2000-2004), Aselsan Inc. (2004-2005), METU (2008-2012), and TED University (2012-2015) before joining Hacettepe University.

Her research interests include various topics in computational electromagnetics and radiowave propagation, including electromagnetic radiation and scattering, numerical methods, domain decomposition methods, transformation electromagnetics, stochastic electromagnetic problems and optimization techniques. She has authored over 130 refereed publications in international journals, book (MATLAB-based Finite Element Programming in Electromagnetic Modeling, CRC Press, 2018), book chapters and conference proceedings.

Dr. Özgün is a senior member of IEEE and URSI, and served as the past chair of the steering committee of URSI Turkey. She received the METU best Ph.D. thesis award in 2007, and the award for excellence in electromagnetics bestowed by Prof. Felsen Fund in 2009. She was honored in 2023 and 2024 by being named among the world's top 2% influential scientists in the career-long impact category, prepared by Stanford University and Elsevier. She is also the recipient of the IEEE AP-S Outstanding Reviewer Award (IEEE TAP) for 2023. Recently, she was honored by the "Hacettepe University 2024 Science Award".

Title of Talks:

- Fundamentals of Computational Electromagnetics: From Basics to Mastery
- Advanced Computational Electromagnetics: Beyond the Standard Numerical Modeling Techniques
- Magic World of Transformation Electromagnetics: Invisibility and Beyond
- Radiowave Propagation: Parabolic Wave Equation and High Frequency Techniques
- Modeling and Simulation: The Art of Approximating Reality (for general audience)



IEEE AP-S Distinguished Lecturer (2025 – 2027)



Dr. Nacer Chahat
NASA Jet Propulsion Laboratory / Caltech
Pasadena, California, USA
nacer.e.chahat@jpl.nasa.gov

NACER E. CHAHAT (SM'15 – F'21) received the Master's degree in electrical engineering from the Ecole Supérieure d'Ingénieurs de Rennes (ESIR), Rennes, France, in 2009, and the Master's degree in telecommunications and the Ph.D. degree in signal processing and telecommunications from the Institute of Electronics and Telecommunications of Rennes (IETR), University of Rennes 1, Rennes, France, in 2009 and 2012, respectively. He is a Senior Antenna/Microwave Engineer and System Engineer at the National Aeronautics and Space Administration (NASA) Jet Propulsion Laboratory (JPL), California Institute of Technology, Pasadena, CA. Since 2013, he has been a Microwave/Antenna Engineer with NASA's Jet Propulsion Laboratory. Since 2017, he has also served as Technical Section Staff and Product Delivery Manager. Dr. Chahat has authored and coauthored more than 200 technical journal articles and conference papers, written four book chapters, and holds several patents. He is the author of the Wiley-published book, *CubeSat Antenna Design*.

He was the recipient of the 2011 CST University Publication Award, the 2011 Best Paper Award from the Bioelectromagnetics Society, and the 2012 IEEE Antenna and Propagation Society Doctoral Research Award. He was also recognized by the Foundation of Rennes 1 as the Best Ph.D. graduate from the University of Rennes. In 2013, he received the Best Ph.D. Thesis in France in Electrical Engineering awarded by Club EEA (Enseignants et Chercheurs en Électronique, Electrochimie et Automatique). That same year, he was honored with the Airbus Group Foundation's Best Thesis Prize in France. In 2015, Dr. Chahat received the French Early Career Award for Engineers and Scientists (Prix Bretagne Jeune Chercheur) for his significant scientific contributions early in his career. He was also the recipient of the 2017 IEEE A. Scheikunoff Transactions Prize Paper Award and the prestigious Lew Allen Award for Excellence from NASA's Jet Propulsion Laboratory "for demonstrated unique talent as a leader in rapid spacecraft antenna development and telecom systems engineering." In 2018, Dr. Chahat was awarded the Future Technology Leader Award by the Engineers' Council and NASA's Early Career Achievement Award. In 2019, he received the JPRS Best Paper Award for Photonic Instrumentation and Design. In 2020, he was named Region 8 Outstanding Engineer of the Year and received the 2020 AIAA Spacecraft Structures Best Paper Award. In 2021, he received the IETE Dr. Sudhakar Rao Award and became the youngest IEEE Fellow. He won the WAMS Best Paper Award in both 2022 and 2023. In 2023, he was named Personality of the Year in Rennes by the French newspaper Ouest-France, and was elected Life Fellow by the WAMS Society. He was also inducted as an AIAA Associate Fellow in 2023 and an IET Fellow in 2024. In 2024, he was awarded NASA's Exceptional Public Achievement Medal for his role in the SWOT mission.

Dr. Chahat served as Chair of the IEEE Antennas and Propagation Society Coastal Los Angeles Section Chapter from 2022 to 2023. He is currently the Chair of the AIAA San Gabriel Valley Chapter.

Title of Talks:

- Pushing the limits of space exploration one antenna at a time
- Engineering cubesat success: deployable antennas for Earth and Deep Space applications
- All metal antenna for space exploration in harsh environment
- Exploring new frontiers: the Mars Helicopter Ingenuity's ground breaking journey

Picture 2: Biographies of Dr. Özlem Özgün and Dr. Nacer Chatat.



IEEE AP-S 2025 Distinguished Lecturers



IEEE AP-S Distinguished Lecturer (2025 – 2027)



Eng Leong Tan
Nanyang Technological University
School of Electrical and Electronic Engineering
50 Nanyang Avenue, Singapore 639798
eeltan@ntu.edu.sg

Eng Leong Tan (SM'06) received the B.Eng. (Electrical) degree with first class honors from the University of Malaya, Malaysia, and the Ph.D. degree in Electrical Engineering from Nanyang Technological University (NTU), Singapore. From 1999 to 2002, he was a Member of Technical Staff at the Institute for Infocomm Research, Singapore. Since 2002, he has been with the School of Electrical & Electronic Engineering, NTU, where he is currently an Associate Professor. His research interests include computational electromagnetics (CEM), multi-physics, RF/microwave circuit and antenna design. Dr. Tan has published more than 130 journal papers and more than 90 conference papers. He and his students received numerous paper and project awards/prizes including: 2019 Ulrich L. Rohde Innovative Conference Paper Award on Computational Techniques in Electromagnetics, First Prize in 2014 IEEE Region 10 Student Paper Contest, First Prize in 2014 IEEE MTT-S Student Design Contest on Apps for Microwave Theory and Techniques, First Prize in 2013 IEEE AP-S Antenna Design Contest, etc. He was the recipient of the IEEE AP-S Donald G. Dudley Jr. Undergraduate Teaching Award with citation: "For excellence in teaching, student mentoring, and the development of mobile technologies and computational methods for electromagnetics education." Dr. Tan has served as Chair and Past Chair for IEEE Singapore MTT/AP Chapter. He has been actively involved in organizing many conferences, including General Chair of PIERS 2017 Singapore, TPC Chair of ICCEM 2020, APCAP 2018 (Hackland) and 2015 (Bali), as well as TPC Chair of IEEE APS/URSI 2021. He is a Fellow of ASEAN Academy of Engineering and Technology, and a Fellow* of the Electromagnetics Academy (in recognition of distinguished contributions to "Computational electromagnetics and education").

Title of talks:

1. Fundamental Quantity and Equations for Electromagnetics From Classical to Quantum
2. Teaching and Learning Electromagnetics Using Educational Apps on Mobile Devices and 3-D Displays
3. Explicit, Implicit and Fundamental Schemes for Time-Domain Methods in Computational Electromagnetics, Circuits and Multiphysics
4. Stable and Efficient Frequency-Domain Matrix Methods for Analysis of Wave Propagation in Multilayered Complex Media



IEEE AP-S Distinguished Lecturer (2025 – 2027)



Professor Satish Kumar Sharma
Director, Antenna and Microwave Lab (AML)
Department of Electrical and Computer Engineering
San Diego State University
5500 Campanile Drive, San Diego, CA, 92182-1309, USA
Email: sasharma@sdsu.edu

Dr. Satish Kumar Sharma received his Ph. D. degree in Electronics Engineering from the Indian Institute of Technology (IIT), Banaras Hindu University (BHU), Varanasi, India in August 1997. He received his undergraduate degree (Bachelor in Technology) in Electronics Engineering from Kamla Nehru Institute of Technology, Sultanpur, Uttar Pradesh, India in June 1991. He was a Post-Doctoral Fellow at the University of Manitoba, Winnipeg, Canada from March 1999 to May 2001. He joined InfoMagnetics Technologies Corporation, Winnipeg, Canada as a Senior Antenna Engineer/Researcher from May 2001 to August 2006. While at IMT, he was also a Part-Time Research Associate at the University of Manitoba until August 2006.

Dr. Sharma joined San Diego State University (SDSU) as an Assistant Professor in August 2006. He established the Antenna and Microwave Laboratory (AML) at SDSU and has led the AML as its Director since then. He became tenured Associate Professor in August 2010. He was promoted to full Professor in August 2014 and currently holds this position. He was Interim Chair of his department from August 2022 to October 2023. He has held Distinguished Summer Faculty Fellow positions at the Naval Information Warfare Center, Pacific, (NINWC-Pacific), San Diego (2020, 2021, 2022 & 2024). He has received the National Science Foundation (NSF)'s prestigious faculty early career development (CAREER) award in 2009. He also received the 2015 IEEE AP-S Harold A. Wheeler Prize Paper Award. He served as an Associate Editor of the IEEE Transactions on Antennas & Propagation journal from August 2010 to June 2017. He also served as an Associate Editor of IEEE Antennas, Wireless & Propagation Letters from March 2017 to March 2023. His research lab has the capability to analyze, design, develop, and verify antennas from VHF to millimeter wave (110 GHz) frequencies.

Dr. Sharma has published over 320 journal and conference papers and holds three US and Canadian patents. He co-edited three volumes of "Handbook of Reflector Antennas and Feed Systems", published by Artech House in May/June 2013. His other coauthored book, "Multifunctional Antennas and Arrays for Wireless Communication Systems", was published by IEEE-Press/Wiley in April 2021. He has collaborated with industry professionals on SBIR/STTR Phase I and II projects in addition to projects from the NSF, NASA and Office of Naval Research (ONR). His research interests include microwave and millimeter-wave frequencies, beam steering antennas, flat panel phased array antennas, reconfigurable and tunable antennas, 3D printed antennas, inkjet printed conformal antennas, massive MIMO antennas, antennas for Cube-Satellites, reflector antennas and their feed systems, and metasurface antennas.

Title of Talks:

- Talk #1: Design and Development of Flat Panel Phased Array Antennas for Wireless and Satellite Communication Applications
- Talk #2: Multifunctional Antennas and Arrays for Wireless Communications
- Talk #3: Novel Multiple Radiating Modes based Null and Beam Peak Steering Antennas
- Talk #4: Reflector and Feed Antenna Assemblies Providing Beam Steering Performance
- Talk #5: Role of 3D Dielectric/Metal and Ink-Jet Printing Technology in Antenna Design (For general audience)

Picture 3: Biographies of Dr. Leong Tan and Satish Sharma.