

IEEE AP-S Distinguished Lecture Workshop Asia Series Singapore

Date: March 30, 2026

Venue: National University of Singapore
Seminar Room #08-02
5A Engineering Drive 1
Singapore 117411

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On March 30, 2026, the National University of Singapore hosted an IEEE AP-S Distinguished Lecturer Workshop featuring recent developments and perspectives in computational electromagnetics and electromagnetic engineering. The event was held onsite at the university.

The workshop was widely advertised within the hosting institution and through official communication channels, emails, and LinkedIn, ensuring strong visibility within the local and regional IEEE Antennas and Propagation Society community.

The event was well attended, with more than 20 participants onsite, including faculty members, researchers, and students from the university, as well as attendees from other research institutes across Singapore, and industry professionals. Representatives from the IEEE Singapore EMC Chapter were also in attendance.

Program and technical content

The workshop followed the announced agenda and featured a half-day technical program comprising invited distinguished lectures by internationally recognized experts in computational electromagnetics and electromagnetic engineering.

The event opened at 09:20 with a welcome and introductory session, outlining the goals of the workshop and highlighting the role of the IEEE Antennas and Propagation Society Distinguished Lecturer Program in promoting high-level scientific exchange and educational activities.

At 09:30, Professor Özlem Özgün delivered the distinguished lecture “Computational Electromagnetics: From Basics to Mastery,” presenting Computational Electromagnetics as a multidisciplinary field essential for the analysis and design of antennas, radar, wireless systems, and emerging technologies such as nanophotonics and biomedical imaging. The talk reviewed key numerical methods (MoM, FEM, FD, FDTD), advanced solution techniques, and

recent developments, including GPU acceleration and machine learning–based surrogate models, supported by case studies and MATLAB-based tools.

At 10:45, Professor Levent Sevgi delivered the lecture “From Engineering Electromagnetics to Electromagnetic Engineering: Teaching/Training Next Generations,” emphasizing the expanding role of electromagnetic systems in modern applications. The lecture addressed challenges such as multiscale systems, broadband operation, and electromagnetic interference, highlighting the need to balance theory, practice, and simulation. He also outlined the status of the IEEE Antennas and Propagation Society, including membership growth, Distinguished Lecturer programs, and student engagement initiatives.

After the two technical distinguished lectures, a lunch break was held, providing an opportunity for informal discussions, networking, and scientific exchange among participants. The workshop concluded following the lunch session.

Interaction and Participation

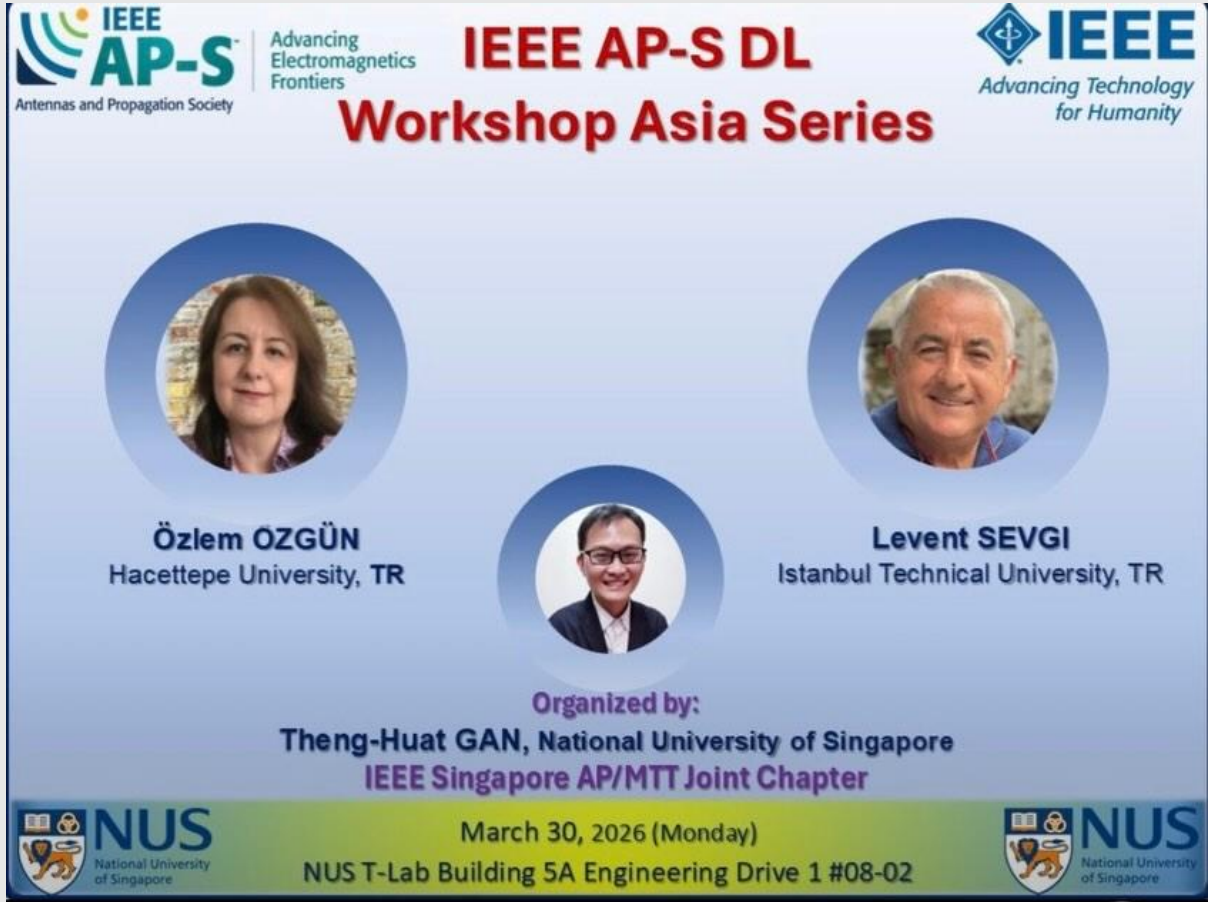
All sessions encouraged active discussions among participants. Questions and comments addressed theoretical modeling, numerical methods, computational techniques, and emerging applications in electromagnetics. The workshop also provided informal opportunities for networking and scientific exchange among faculty, researchers, students, and industry attendees.

Conclusions

The IEEE AP-S Distinguished Lecturer Workshop held at the National University of Singapore on March 30, 2026, was highly successful and scientifically enriching. The event provided an in-depth overview of recent developments in computational electromagnetics and electromagnetic engineering, while fostering interaction among students, researchers, faculty, and industry professionals.

Feedback collected from the attendees was consistently very positive. Participants particularly appreciated the opportunity to engage directly with internationally recognized experts. Many highlighted the value of the workshop in broadening their understanding of current research trends and emerging directions in computational electromagnetics, including the potential role of artificial intelligence and machine learning. The discussion following the lectures was especially insightful for students, stimulating curiosity and engagement regarding future research directions and applications in the field of Antennas and Propagation.

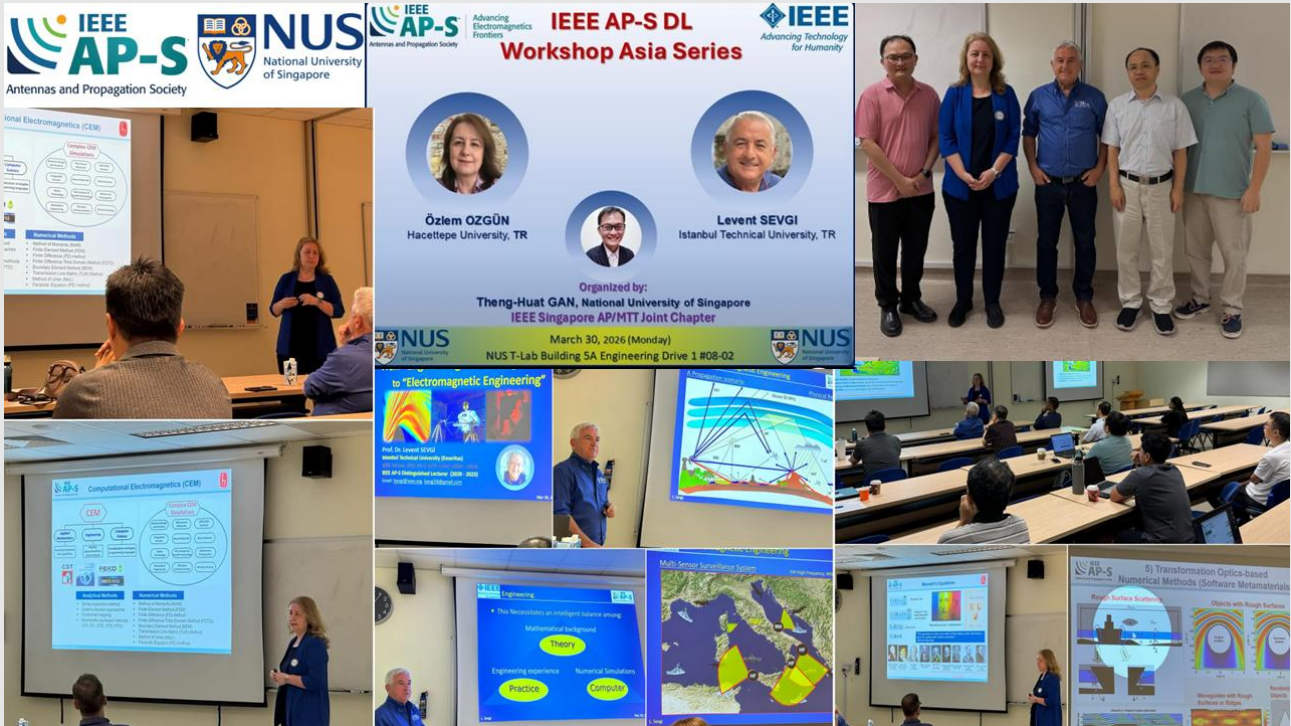
The strong support from the IEEE AP-S Distinguished Lecturer Program, together with the active involvement of the IEEE Singapore AP/MTT Joint Chapter and local organizers at the National University of Singapore, resulted in a well-organized and well-attended event, fully aligned with the educational and outreach missions of the IEEE Antennas and Propagation Society.



Picture 1: The flyer of the Workshop.



Picture 2: A collection of photos and selfies from the workshop.



Picture 3: Another collection of photos and selfies from the workshop.



Picture 4: Dr. Özgün and Dr. Sevgi, enjoying their free day in Singapore; walking around in total of 13km.