IEEE AP-S DL Workshop – Fudan Edition

Topic: Recent Advances in Computational Electromagnetics, Antenna Engineering, and Electromagnetic Sensing
Date: April 9, 2026
Location: Interdiscip. Bldg 2, Jiangwan Campus, Fudan University, China
Attendance: 30 participants in-person
Audience Profile: Master's, and Ph.D. students, Academic Researchers.

Dr. Yan Wang
Fudan University
Email: yanwang_fd@fudan.edu.cn

Executive Summary

On April 9, 2026, Fudan University hosted the IEEE AP-S Fudan Chapter Distinguished Lecturer (DL) Workshop as part of the IEEE AP-S Chapter DL Workshop Asia Series 2026. This chapter was an initiative organized and coordinated globally by Prof. Levent Sevgi, the IEEE Antennas and Propagation Society (AP-S) DL Program Chair. The specific organization and coordination of the stage in Fudan was managed by the IEEE AP-S Fudan Chapter, Fudan University, led by the Dr. Yan Wang.

The event, held in the Interdiscip. Bldg 2, Jiangwan Campus, was opened by Yan Wang, who extended a warm welcome to the distinguished lecturers and participants, emphasizing the significance of such global collaborations for academic research and further contact with the international organization.

Scientific Program

The workshop featured four internationally renowned IEEE AP-S Distinguished Lecturers, each delivering a distinguished lecture on electromagnetic fields, ranging from engineering education and computational electromagnetics to antenna innovation and electromagnetic sensing and imaging:

1) Electrically Small Antennas: Prof. Richard Ziolkowski, IEEE Fellow, IEEE AP-S Past-President (University of Arizona, USA) in this segment talked about important developments across different electrically small antenna designs, paying close attention to boosting efficiency, bandwidth, and directivity, a sign of sustained innovation in antenna theory and engineering.

2) Electromagnetic Engineering Education: Prof. Levent Sevgi, IEEE Fellow, IEEE AP-S Former DL (Istanbul Technical University, TR) delivered a talk entitled Electromagnetic Engineering. He outlined the transition from traditional electromagnetics education to contemporary electromagnetic engineering and stressed the importance of educating the next generation of engineers.

3) Transformation Electromagnetics: Prof. Özlem Özgün, IEEE AP-S DL (Hacettepe University, TR) delved into the Magic World of transformation electromagnetics, with emphasis on advanced computational electromagnetics and underscored studies focused on modeling and tackling complex electromagnetic problems that go beyond traditional numerical methods.

4) Electromagnetic Sensing and Imaging: Prof. Maokun Li, IEEE Fellow, IEEE AP-S DL (Tsinghua University, China) discussed key topics in electromagnetic sensing and imaging, drawing on his expertise in inverse scattering and imaging techniques, and illustrated the increasing importance of these approaches in modern electromagnetics, particularly in clinical research.

Interaction and Participation

The lecture activity was well organized and fruitful, featuring rich academic connotation and active on-site interaction. Some comments are as follows:

1) The lectures covers four key directions in the field of electromagnetics, with a reasonable and comprehensive topic layout. Prof. Richard Ziolkowski, Prof. Levent Sevgi, Prof. Özlem Özgün, and Prof. Maokun Li, each focus on their own research fields, from electrically small antennas, electromagnetic engineering education, transformation electromagnetics to electromagnetic sensing and imaging, forming a complete academic perspective.

2) The lectures have effectively integrated rich academic resources, reflecting the inclusiveness and forward-looking nature of related research fields. The lecturers from different regions have brought diverse academic perspectives and research ideas, which have enriched the connotation of the lecture and provided the audience with a broader cognitive space.

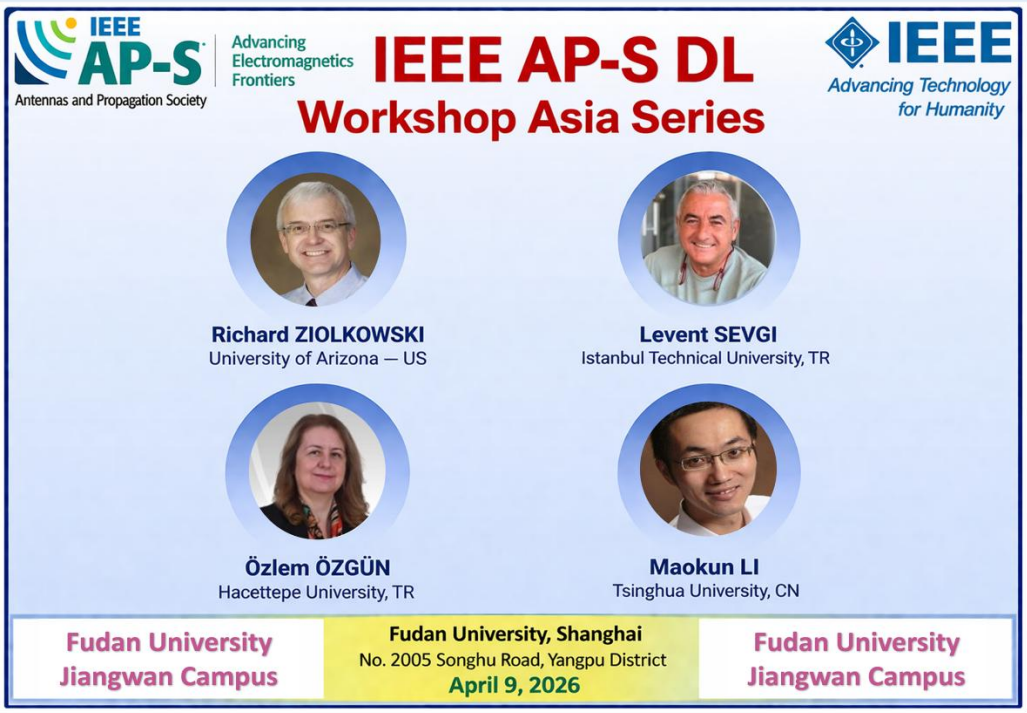
3) All students actively raised questions during the lecture, and the overall atmosphere of the activity was relaxed and pleasant, which effectively promoted the interaction between the audience and the lecturers and enhanced the sense of participation of the students.

The event also effectively served as a platform for academic exchange in the field of electromagnetics, contributing to the in-depth development of related academic research and enhancing the academic experience of all participants.

Conclusion

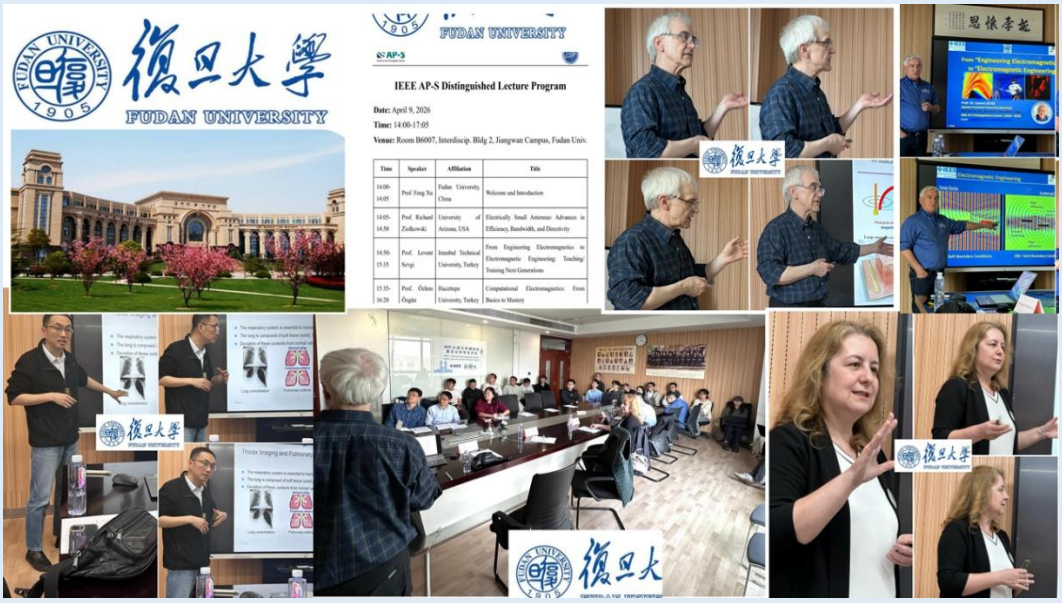
The event hosted by the Fudan Chapter turned out to be an enormous success, which further consolidated the IEEE AP-S Fudan Chapter's position as a crucial regional platform for

communication and cooperation. With topics ranging from electromagnetic engineering education and computational electromagnetics to antenna design, as well as electromagnetic sensing and imaging, the workshop not only expanded the participants' academic horizons but also facilitated sustained development and enhanced the visibility of the AP-S community at Fudan.

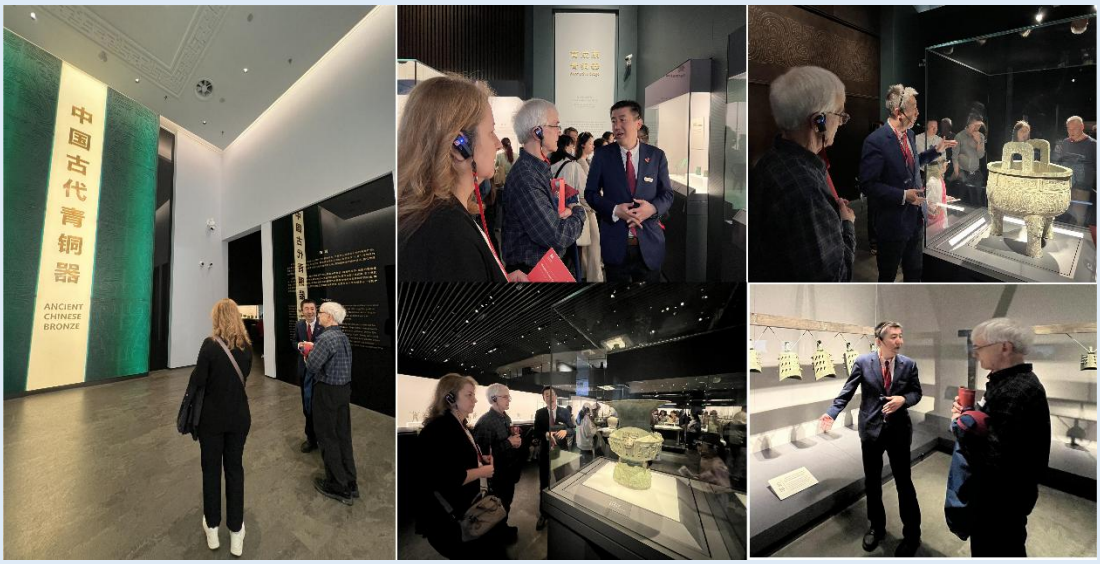


Picture 1: *The flyer of the Workshop.*

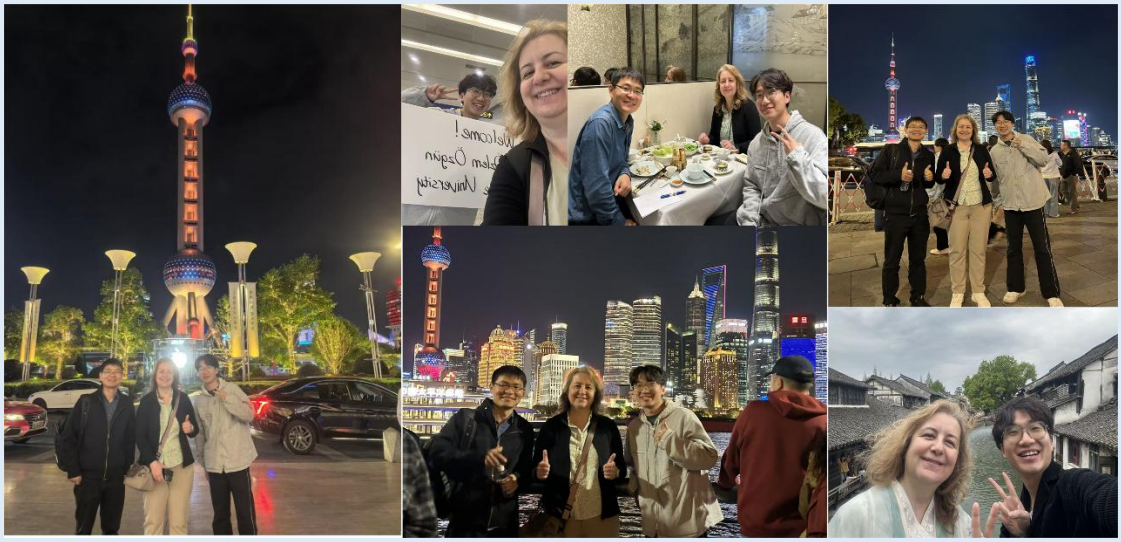
Picture 2: *A collection of photos and selfies from the workshop.*



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



Picture 4: *Another selection of photos from Shanghai visit.*



Picture 5: *Free day in Shanghai.*