IEEE AP-S DL Workshop – Wuhan Edition

Topic: Recent Advances in Computational Electromagnetics, Antenna Engineering, and Electromagnetic Sensing
Date: April 6, 2026
Location: Yugang & Songxiao Building, School of Earth and Space Science and Technology, Wuhan University, China
Attendance: 40 participants in-person
Audience Profile: Master's, and Ph.D. students, Academic Researchers.

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Executive Summary

On April 6, 2026, Wuhan University hosted the IEEE AP-S Wuhan 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 AP-S Distinguished Lecturer Program Chair**. The specific organization and coordination of the stage in **Wuhan** was managed by the **IEEE Antennas and Propagation Society Wuhan Chapter**, Wuhan University, led by the Chapter Chair, Prof. Siyuan He, in close cooperation with the **Prof. Hai Lin**, an expert in Intelligent computational electromagnetic from Central China Normal University.

The event, held in the **Yugang & Songxiao Building, School of Earth and Space Science and Technology**, was opened by **Siyuan He**, 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**, e ach delivering a distinguished lecture on electromagnetic fields, ranging from engineering ed ucation and computational electromagnetics to antenna innovation and electromagnetic se nsing and imaging:

- ***Electromagnetic Engineering Education: Prof. Levent Sevgi*** (Istanbul Technical Uni versity, TR) delivered a talk on "Electromagnetic Engineering", He highlighted the shift from classical electromagnetics education to modern electromagnetic engineering a nd emphasized the need to train future generations of engineers.
- ***Transformation Electromagnetics:*** **Prof. Özlem Özgün** (Hacettepe University, TR) ex plored the "Magic World" of transformation electromagnetics, focusing on the advan ced computational electromagnetics and highlighted research efforts aimed at mode ling and solving complex electromagnetic problems beyond conventional numerical approaches.
- ***Electrically Small Antennas:*** **Prof. Richard Ziolkowski** (University of Arizona, USA) I n this segment, he discussed major developments in a variety of electrically small an tenna designs, with particular attention to improving efficiency, bandwidth, and direc tivity, reflecting ongoing innovation in antenna theory and engineering.

- ***Electromagnetic Sensing and Imaging: Prof. Maokun Li*** (Tsinghua University, China) The key topics in electromagnetic sensing and imaging were mentioned, drawing on his expertise in inverse scattering and imaging techniques and demonstrating the gro wing significance of these methods in contemporary electromagnetic especially in cli nical research.

Networking and Academic Impact

This social gathering, organized by the Chapter and the local Institutions, was a vital moment for **networking**. It allowed graduate students to engage in informal, one-on-one discussions with the visiting Distinguished Lecturers. Industry professionals and academic researchers also utilized this time to discuss practical R&D challenges with the visiting experts. These arrangements created a warm and collegial setting in which the distinguished lecturers and students could continue the discussions initiated during the talks.

Besides the program itself, the workshop also had a meaningful academic impact on the loc al electromagnetics community. By bringing together internationally renowned scholars and participants from Wuhan University, Central China Normal University, and other institutions, the event broadened perspectives and fostered closer ties among distinguished researcher s and students. It also further strengthened the role of the IEEE AP-S Wuhan Chapter as a pl atform for regional academic collaboration, contributing to the continued growth and visibili ty of the AP-S community in Wuhan.

Conclusion

The Wuhan Chapter was a significant success; the event further strengthened the role of the IEEE AP-S Wuhan Chapter as a vital regional platform for contact and collaboration. Covering topics from electromagnetic engineering education and computational electromagnetics to antenna design and electromagnetic sensing and imaging, the workshop not only broadened the academic views of the participants but also contributed to the continued development and visibility of the AP-S community in Wuhan.

Picture 1: *Selection of photos from the workshop.*

Picture 2: *Another selection of photos from Wuhan visit.*

Picture 3: *Free-day in Wuhan.*