

## Local host's perspective on the IEEE AP-S DL Workshop at University of Genova on January 26th, 2026

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This January, we were honored to host the **IEEE AP-S Distinguished Lecturers Workshop** at the University of Genova, centered on the evolving landscape of electromagnetic engineering and future wireless communications. The event was a collaborative effort between the **ELEDIA@UniGE** research center and the **IEEE AP/ED/MTT North Italy Chapter**, brought to life through the dedicated coordination of Prof. Andrea Trucco and Prof. Giacomo Oliveri. Held in the **Aula Conferenze (D3)** at the DITEN department, the workshop attracted a diverse audience of academic staff, postgraduate researchers, and students, all eager to engage with world-renowned experts in the field.



**Picture 1:** Photos of the local organizer and the speakers taken during the event (from top left: Prof. Oliveri, Dr. Toso, Prof. Sharma, Prof. Sevgi, Prof. Özgün and Prof. Massa).

The afternoon commenced with a warm welcome from **Prof. Andrea Trucco** (ELEDIA@UniGE Director) and **Prof. Giacomo Oliveri** (Chapter Chair), setting a collaborative tone for the sessions.

- **Dr. Giovanni Toso** (European Space Agency): Opened the technical program with an insightful look into "Ongoing Developments in Multibeam Antennas." His expertise

provided a unique perspective on how these technologies are shaping the next generation of satellite missions.

- **Prof. Satish Sharma** (San Diego State University): Delivered a detailed presentation on the design and development of "Flat Panel Phased Array Antennas." His talk highlighted critical innovations for both wireless and satellite communication applications, sparking significant interest in the practical implementation of low-profile arrays.
- **Prof. Levent Sevgi** (İstanbul Technical University): Following a brief coffee break, Prof. Sevgi shifted the focus toward the educational and philosophical aspects of the discipline. His talk, "From Engineering Electromagnetics to Electromagnetic Engineering," emphasized the necessity of training the next generation of engineers with a balance of physical insight and advanced toolsets.
- **Prof. Ozlem Ozgun** (Ankara Hacettepe University): Provided a comprehensive masterclass on the "Fundamentals of Computational Electromagnetics." Her ability to bridge the gap from basic principles to mastery was highly praised by the students in attendance.
- **Prof. Andrea Massa** (University of Trento): Concluded the technical sessions with a forward-looking presentation on "Beyond 5G Wireless Communications towards the Metaverse." His overview of System-level Electromagnetic Engineering (SEME) offered a fascinating roadmap from device-scale innovation to full-scale system planning.

The workshop concluded with a wrap-up session that underscored the technological impact of EM engineering and the vital role of **IEEE technical societies** in fostering global knowledge exchange. The vibrant discussions that followed each talk served as a testament to the success of the event and the high level of engagement within the Genova research community.

We extend our sincere gratitude to the distinguished lecturers for sharing their time and expertise, and to the IEEE Antennas and Propagation Society for their continued support in advancing the field of electromagnetics.



**Picture 2:** A group photo after the workshop.