

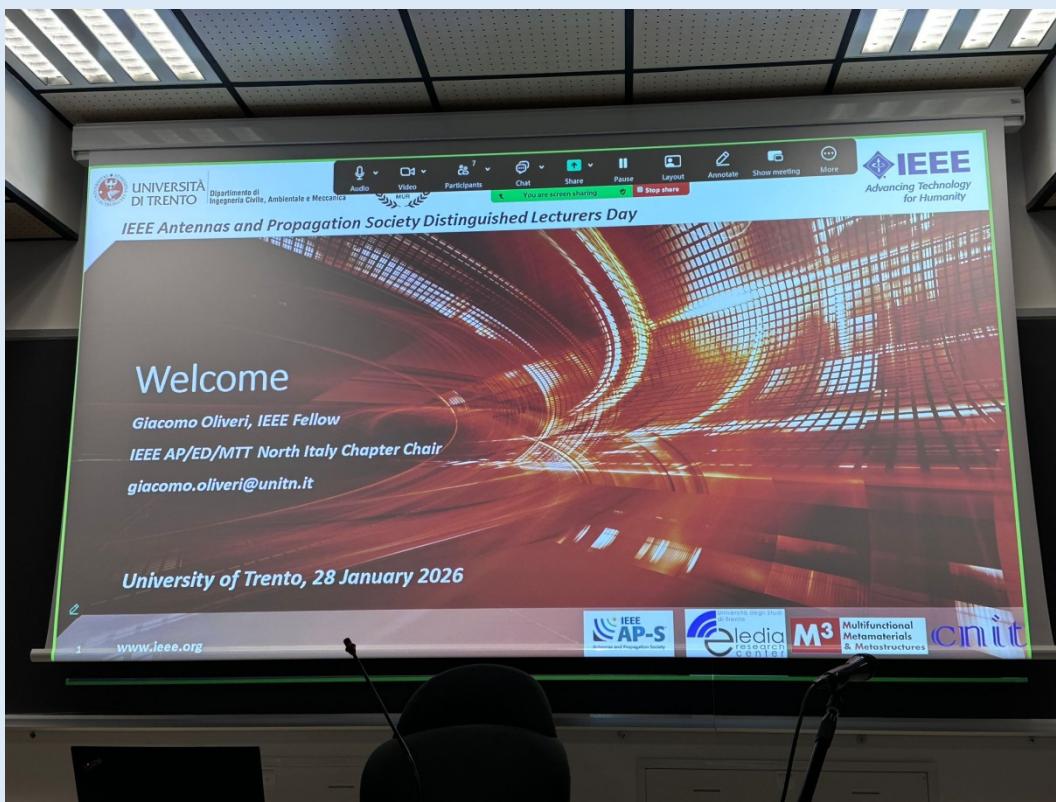
Local host's perspective on the IEEE AP-S DL Workshop at University of Trento on January 28th, 2026

Prof. Giacomo OLIVERI

Chair, IEEE AP/ED/MTT North Italy Chapter
giacomo.oliveri@ieee.org

This January, we were fortunate to host an **IEEE AP-S Distinguished Lecturers Workshop** at the University of Trento, focusing on the frontiers of high-frequency electromagnetics and transformative antenna technologies. This event was organized as a collaborative effort by the **IEEE AP/ED/MTT North Italy Chapter**, led by **Prof. Giacomo Oliveri**, bringing together world-class expertise to the Polo Scientifico e Tecnologico Fabio Ferrari.

The workshop, held in **Room B107**, was well attended by a diverse group of participants, including UniTN undergraduate and postgraduate students, academic staff, and researchers interested in the latest advancements in EM engineering.



Picture 1: Photo taken during the introduction to the Workshop by Prof. Oliveri.

The program featured four distinguished speakers, each offering a unique perspective on the challenges and future of the field:

- **Dr. Giovanni Toso (European Space Agency):** Opened the morning sessions with a presentation on "Ongoing Developments in Multibeam Antennas." His lecture provided invaluable insights into space-borne antenna systems, emphasizing the critical role these technologies play in modern satellite communications.

- **Prof. Satish Sharma (San Diego State University):** Followed with a detailed talk on "Design and Development of Flat Panel Phased Array Antennas." He explored innovative solutions for wireless and satellite applications, which sparked engaging technical questions regarding the integration of low-profile arrays in commercial hardware.
- **Prof. Levent Sevgi (İstanbul Technical University):** Shifted the focus toward the pedagogical evolution of the discipline. His presentation, "From Engineering Electromagnetics to Electromagnetic Engineering," resonated deeply with the academic audience, highlighting the importance of training the next generation with a blend of physical intuition and robust computational mastery.
- **Prof. Ozlem Ozgun (Ankara Hacettepe University):** Provided a captivating final lecture titled "Magic World of Transformation Electromagnetics: Invisibility and Beyond." Her presentation introduced the audience to the theoretical foundations and practical possibilities of using metamaterials to control wave propagation in ways previously thought impossible, as well as on the advanced simulation methodologies enabled by Transformation EM theory.

The event served as a fitting platform for knowledge exchange and professional networking within the North Italy Chapter. The visit to the University of Trento was a resounding success, offering students and colleagues alike a fresh perspective on the phase and field characteristics of modern radiated systems. Thank you to the speakers for their time and to the IEEE for their unwavering support!



Picture 2: Photos taken during the event.