

## IEEE AP-S DL Istanbul Workshops



**Topic:** AntennAI: Generative Antenna Design Reshapes Metantenna Technology

**Date:** 9 June 2026

**Location:** Medipol University, Istanbul, Italy

**Estimated Attendance:** 84 participants in-person

**Audience Profile:** Undergraduate, Master's, and Ph.D. students, Academic Researchers, and Industry Professionals.

**Prof. Dr. Zhi Ning Chem**

National University of Singapore

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### Executive Summary:

On 9 June 2026, Istanbul Medipol University hosted the IEEE AP-S Distinguished Lecturer Workshop. Organized by the IEEE AP/MTT/EMC/ED Turkey Joint Chapter and the IEEE AP-S Istanbul Chapter, the event successfully brought together researchers, industry professionals, and students to explore recent advances in antennas, electromagnetics, sensing systems, and wireless communications. The workshop provided an excellent platform for knowledge exchange, fostering discussions on emerging technologies while strengthening connections within the local IEEE community.

### Pre-Workshop Activities (8 June 2026):

Prior to the workshop, I was invited to visit Assoc. Prof. Sema Dumanlı Oktar's lab at Boğaziçi University, where I had an engaging interactive session with her team. I was highly impressed by her research into RF biomedical sensors and antennas, particularly the team's wonderful multidisciplinary approach. Originally, my first DL talk was scheduled to take place here; however, to accommodate the students' final examination schedules, we merged it with the main event at Medipol University.

### Scientific Program (9 June 2026):

The main workshop featured a robust scientific program with the following distinguished presentations:

- My DL Lecture: Focused on AI-driven antenna design and metantennas.
- Assoc. Prof. Oktar: Delivered a talk on in-body sensing antennas.
- Prof. Sevgi: Discussed the future of electromagnetic engineering education.
- Prof. Arslan: Lectured on flexible radio access technologies for 6G and beyond.

In addition to the lectures, we toured Prof. Hüseyin Arslan's facilities, which included a patent wall, system setups, and a design exhibition. Both Boğaziçi University and Istanbul Medipol University demonstrated world-class research achievements.

### **Networking and Impact:**

To facilitate the exchange of ideas, an extended networking coffee break was provided for all speakers and participants. During this time, I had the opportunity to speak with students from multiple universities and engineers from local companies. Many expressed a strong interest in the application of AI to antenna engineering.

The interaction with local lecturers, students, and engineers strongly promoted the IEEE and advanced ICT technologies, encouraging more students to engage with our community in the future.

### **Cultural Reflections and Recommendations:**

Istanbul is a magnificent city, characterized by its rich history, diverse cultures, and modern education systems, all of which left a significant impression on me. Based on the success of this visit, I highly recommend that we organize more activities of this nature to continuously support local chapters, students, and engineers.

### **Conclusion and Acknowledgments:**

The Istanbul DL workshop was a resounding success, highlighting the strong synergy between the IEEE AP-S Distinguished Lecturer Program and the Turkish academic community. By bringing together world-class lecturers, the workshop provided a high-value experience for both students and industry professionals.

In particular, I would like to express my sincere gratitude to Prof. Levent Sevgi, Chair of the AP-S DLP, for his exceptional efforts and dedication in coordinating this fantastic event.



**Picture 1:** Photos with Prof. Oktar's team.



**Picture 2:** Photos at Prof. Hüseyin Arslan's lab..

İSTANBUL MEDİPOL UNIVERSITY  
IEEE AP/MTT/EMC/ED TÜRKİYE  
JOINT CHAPTER

# IEEE AP-S DISTINGUISHED LECTURER WORKSHOP

DATE: JUNE 9, 2026 | TIME: 14.00-18.00

VENUE: KAVACIK SOUTH CAMPUS CONFERENCE HALL BEYKOZ - İSTANBUL, TÜRKİYE



**ZHI NING CHEN**  
NATIONAL UNIVERSITY OF SINGAPORE  
SINGAPORE



**SEMA DUMANLI OKTAR**  
BOĞAZIÇI UNIVERSITY  
TÜRKİYE



**LEVENT SEVGİ**  
İSTANBUL TECHNICAL UNIVERSITY  
TÜRKİYE



**HÜSEYİN ARSLAN**  
İSTANBUL MEDİPOL UNIVERSITY  
TÜRKİYE

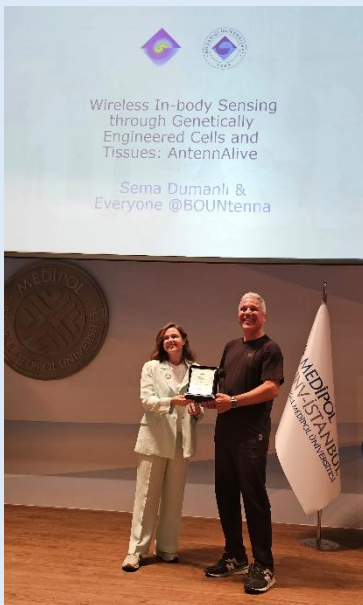


*Picture 3: The flyer of the workshop.*

# Photo Collection



Prof Arslan delivered Opening Speech



Prof Arslan delivered appreciation plagues to



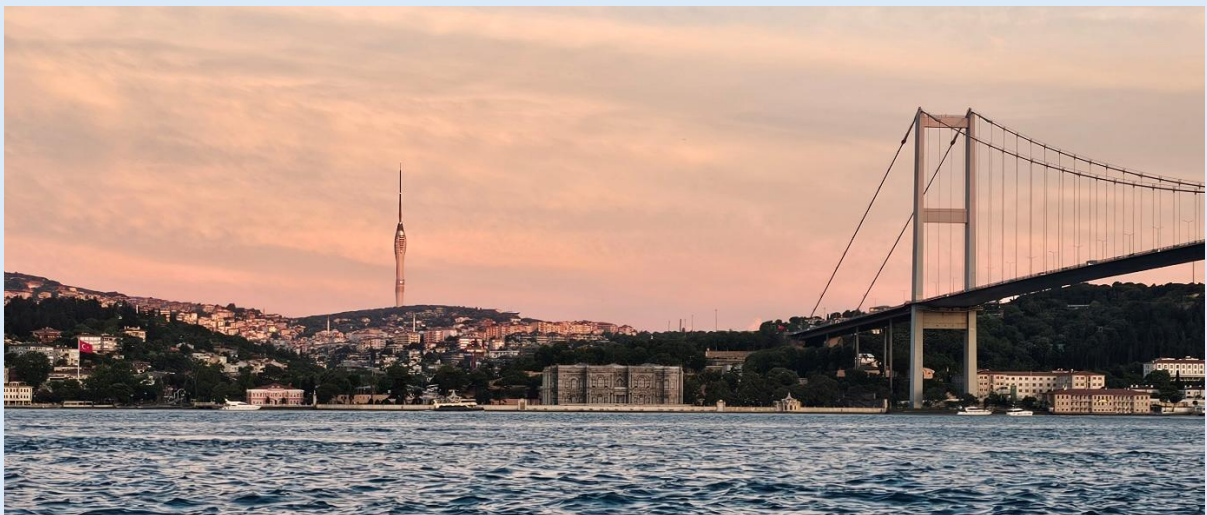
Prof Arslan delivered a DL talk



Group photos



Prof Levent Sevgi involved the radar antenna design (The white tower in picture)



The antennas of many systems including TV and radios are integrated into the tower