

IEEE AP-S DL Workshops – Scandinavian Tour

Dates: September 23–30, 2026

Locations: Chalmers University (Gothenburg, Sweden)

KTH (Stockholm, Sweden)

Oulu University (Finland)

Aalto University (Espoo, Finland)

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I participated in the September 2026 IEEE AP-Society's Distinguished lecturer Scandinavian tour, organized by the DL Committee Chairman Levent Sevgi. Of the five workshops during the tour, I joined four. I had offered several topics for the hosts to choose from, and finally my lectures focused on three different topics: (1) homogenization theories and metamaterials with emphasis on emergence of qualitatively new properties due to mixing, (2) theory of the Lorenz–Mie scattering with recent results concerning active and conjugate media, and (3) Classifications of bianisotropic media and metamaterials from various viewpoints.

I feel that the chosen topics and the delivered lectures connected naturally with my fellow DL speakers in sessions where computational electromagnetics, ray tracing, spatial degrees of freedom, non-Hermitian electromagnetics, and diffraction/propagation modeling, contributing to a coherent narrative across the tour's technical themes.

The four workshops:

1. Gothenburg, Sweden — Chalmers University of Technology (September 23, 2026)
Host: Prof. Marianna Ivashina, Chalmers University of Technology, Antenna Systems Group (Dept. of EE) and WiTECH Competence Center
Venue: Hörsalsvägen 11, Gothenburg, 3rd floor, 3364 EDIT room
Five DL speakers (one online)

My talk title:

“Metamaterials and Composites: Electromagnetic Description and Unexpected Effects”

2. Stockholm, Sweden — KTH Royal Institute of Technology (September 25, 2026)
Host: Prof. Oscar Quevedo-Teruel, Kungliga tekniska högskolan, KTH
Organizer: IEEE Sweden Section Joint MTT/AP Chapter
Venue: KTH Stockholm
Seven DL speakers (one online)

My talk title:

“The Fascinating World of Lorenz-Mie Scattering”

3. Oulu, Finland — DL Workshop (September 28, 2026)
Host: Profs. Ping Jack Soh and Pekka Kyösti, The Centre for Wireless Communications at the University of Oulu and IEEE Student Branch Oulu, with gracious financial support from the PLM Group
Venue: Tellus Backstage, University of Oulu
Five DL speakers

My talk title:

“Metamaterials and Composites: Electromagnetic Description and Unexpected Effects”

4. Espoo, Finland — Aalto University (September 30, 2026)
Host: IEEE APS Finland Chapter: Profs. Zachary Taylor and Katsuyuko Haneda, and Dr. Sajjad Mirmoosa, Aalto University
Venue: Hall TU7, School of Electrical Engineering, Aalto University, Maarintie 8, Espoo
Six DL speakers

My talk title:

“Metamaterial Taxonomies”

At all four workshops, the audience contained dozens of graduate students and researchers and professors from the local university and outside. The reception was warm. I received many comments and questions after my lectures, and in many cases the discussion needed to be cut short due to limited time. Furthermore, the tour brought also us, the distinguished lecturers closer to each other, after the numerous interactions and discussions on technical and non-technical topics.

Below are few collections of photos and selfies from my tour:



Picture 1: Chalmers – Göteborg, Sweden



Picture 2: KTH – Stockholm, Sweden



Picture 3: Oulu, Finland



Picture 4: Aalto – Espoo, Finland