

IEEE AP-S Distinguished Lecture Day

Date: Nov. 14, 2025

Venue: Télécom Paris (Institut Polytechnique de Paris), Palaiseau, France

Prof. (emeritus) Alain Sibille

LTCl, Télécom Paris (Institut Polytechnique de Paris)

Email: alain.sibille@telecom-paris.fr

Prof. Levent Sevgi (Istanbul Technical University – Emeritus), IEEE AP-S DL Program Committee Chair and former Distinguished Lecturer (DL) visited us within the IEEE AP-S DL Program.

The visit started as a joint meeting between Prof. Sevgi and researchers from the RFM² (Microwave and Millimeter-wave RF) group, part of the LTCl laboratory, namely Christophe Roblin (group leader), Shanshan Wang (holder of the C2M research & teaching chair “Modeling, Characterizing and Controlling Exposure to Electromagnetic Waves”) and 4 PhD students. A presentation of the research in the group was carried out by C. Roblin, followed by a discussion between all participants on various related aspects, including national and international ones, such as the attraction, selection and funding of excellent candidates in PhD. This discussion also addressed a few aspects of electromagnetics in the conducted research.

After a friendly lunch at Telecom Paris with all meeting participants, Prof. Sevgi delivered the planned talk in a lecture hall of Telecom Paris. The announcement of the seminar had previously been spread through the usual dissemination channels by A. Sibille, who co-organizes a regular (monthly) seminar of the Information, Communication and Electronics (ICE) department of Institut Polytechnique de Paris. Beyond all members of this department, the mailing covers all PhD students and all staff researchers of Telecom Paris, and a specific list of recipients beyond IPP as well as URSI-France.

In addition, to physical presence, there was the possibility to attend through Zoom videoconferencing.

The presentation by Prof. Sevgi addressed two aspects: scientific and non-scientific ones. It started with an overview of his personal contributions and career (40+ Years in Electromagnetics), supported by an impressive number of visits and collaborations, particularly as DL representative and program chair but not only.

Non-scientific aspects also concerned the organization and operation of IEEE and specially IEEE-APS or the cooperation with its sister societies and boasted a number of benefits and possibilities through IEEE membership. Numbers (in terms of IEEE members or IEEE-APS members), budgetary aspects, events participation or organization, advantages for students in particular were presented, which clearly interested the audience.

Scientific aspects were at the core of the presentation, highlighting how engineering electromagnetics had evolved toward the broader electromagnetic engineering, as pushed by the domination of EM waves in all aspects of human life and by the progress of methods and tools. Many of Prof. Sevgi’s activities have been exploited by him through simulation tools for research or education, made freely available and widely used by a large number of universities or other entities, for many years. The presentation addressed the interplay between measurements, modeling and simulation, stressing the importance of errors,

inaccuracies, lack of precision and ways to master them to make EM tools cleverly useable. This was concretely explained through a number of examples, in particular the sector of defense where the extremely demanding requirements lend themselves to advances in EM engineering. Visual animations helped the audience to grasp key aspects of EM waves behavior, e.g. in scattering and diffraction among others. Prof. Sevgi also widely stressed the importance to understand and test the validity of EM tools predictions, and if possible to code EM simulations oneself, so to gain a deeper understanding of the way “blackbox” tools work and of their limitations.

The seminar led to questions and answers on some of the major issues in the future, e.g. regarding the expectations or limitations in terms of progress on tools, for instance if artificial intelligence techniques would, or would not, bring a breakthrough.

Overall, the DL visit and lecture by Prof. Sevgi have been particularly beneficial to the audience and have taken place in a very positive spirit and atmosphere. In its name, Prof. Sibille has warmly thanked him for honoring the institution of his visit and for the many fruitful exchanges.

About Télécom Paris AND Institut Polytechnique de Paris:

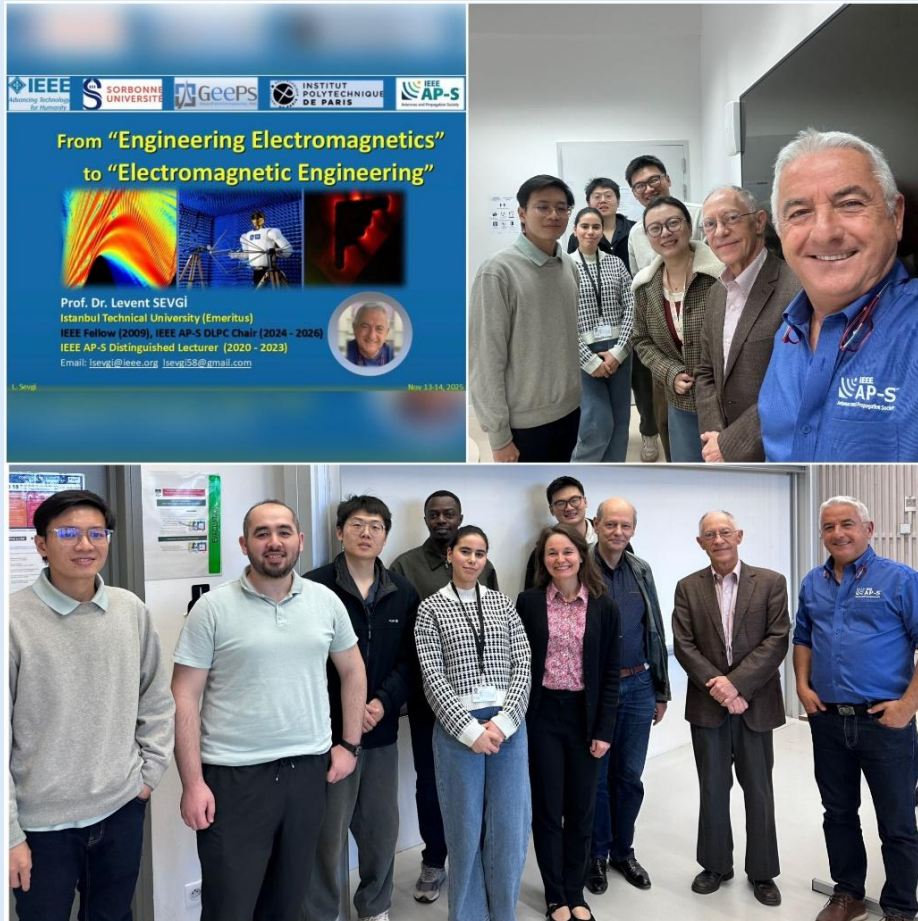
Télécom Paris is a French public institution for higher education (grande école) and engineering research. Located in Palaiseau, it is also a member of the Institut Polytechnique de Paris and the Institut Mines-Télécom. In 2021, it was the sixth highest ranked French university in the World University Rankings, and the 7th best small university worldwide. In the QS Ranking, Télécom Paris is the 64th best university worldwide in Engineering.

(see wikipedia form more details and references:

https://en.wikipedia.org/wiki/T%C3%A9l%C3%A9com_Paris).

The Polytechnic Institute of Paris (French: Institut polytechnique de Paris) is a public technological university located in Palaiseau, France. It consists of six engineering grandes écoles: École Polytechnique, ENSTA Paris, ENSAE Paris, École des ponts ParisTech, Télécom Paris and Télécom SudParis. With the Paris-Saclay University, the Polytechnic Institute of Paris is part of the Paris-Saclay project, which is a research-intensive academic campus and business cluster being developed on the Plateau de Saclay near Paris. The project integrates several engineering schools and research centers that are part of the world's top research organizations in various fields (see wikipedia form more details and references:

https://en.wikipedia.org/wiki/Polytechnic_Institute_of_Paris).



Picture 1: A collection of photos from DL Day.



Picture 2: Prof. Levent Sevgi with a few happy participants.