

IEEE Special Event 2025
Jointly Organized by
IEEE AP/MTT-S Chapter, Kolkata Section and Asansol Engineering College, India
Sponsored by
IEEE AP-S MGA Committee

Event: IEEE Advanced School of Antennas (ASA), 2025

Title: Getting Ready for Industries

Speaker: **Dr. Jose Felix Vega Starvo**, Acting Chief Researcher, Directed Energy Research Centre, United Arab Emirates.

Dr. Chandrakanta Kumar, Indian Space Research Organization, Bangalore, India

Mr. Sourabh Joshi, Senior RF/EM Developer, Mathworks, India

Prof. Mahesh Abegaonkar, Indian Institute of Technology, Delhi, India

Dr. Debi Dutta, University of Pisa

Date: 15th - 17th August, 2025 (Friday-Sunday)

Venue: Tagore Seminar Hall, Asansol Engineering College, Vivekananda Sarani, Kanyapur, Asansol, West Bengal-713305 (in **Hybrid Mode**)

The **IEEE AP/MTT-S Chapter, Kolkata Section**, in association with **Asansol Engineering College**, hosted the 5th edition of the Advanced School of Antennas - a summer school and workshop supported by the IEEE AP-S Membership and Geographic Activities (MGA) Committee.

Day 1: The school began with an inspiring welcome note from **Prof. Debatosh Guha**, IEEE AP-S MGA Chair, whose words set the tone of the event: “Getting Ready for Industries”, a call to bridge the gap between what is taught in classrooms and what the world of technology demands. In the evening, the participants, speakers, and guests gathered for the welcome dinner and setting the stage for the days to come.

Day 2: Three leaders from RF industry were present to guide and motivate the students with their knowledge and experience. The morning began with the interactive lecture by **Dr. Felix Vega**, who made participants aware about different RF products. He also discussed about the subtler contrasts between academic research and industrial practice, and closed with a detailed demonstration of advanced antenna systems. The next speaker, **Dr. Chandrakanta Kumar** motivated the participants by discussing the necessary skill sets required to be an engineer for the young buds. He shared an inspiring blend of technical depth and life lessons. He painted the journey of an antenna engineer as one of challenges transformed into solutions, and knowledge woven with purpose. After lunch, a hands-on training of antenna design using MATLAB was conducted by **Mr. Sourabh Joshi** in hybrid mode.

Day 3: A joint session on Academy vs Industry was led by **Prof. Mahesh Abegaonkar** and **Dr. Debi Dutta**. Dr. Abegaonkar described the importance of basic electromagnetic theory and its evolution towards antenna theory while Dr. Dutta extended this into application, presenting RFID technologies that blend innovation with daily life.

The programme was well convened by **Dr. Chittajit Sarkar**, organizing chair (Asansol Engineering College) and **Dr. Kaushik Mandal**, organizing co-chair (University of Calcutta) with support from AP-S Student Branch volunteers from both the institutions. Participants were thoughtfully cared for throughout the event and complimentary accommodation arranged for 37 outstation attendees. As

participants departed, they carried not only lessons, but also a quiet flame within one that will guide their steps into the world of innovation.

The event was graced by **75** attendees (60 IEEE members, 15 Non-IEEE participants) from different institutions across India.

