

IEEE APS Distinguished Lecture Talks in India: June 03-09, 2026

Organized by
Dr. Sudhakar Rao

Overview: Dr. Sudhakar Rao visited India during June 2026 and coordinated a DL program at five different places with APS DL Chair Prof. Levent Sevgi and APS DL speakers Prof. Hao Xin, Prof. Desmond Sim, and Prof. Satish Sharma. Three APS SBCs were inaugurated during the DL visit. The DL trips included KL University in Vijayawada, Lendi College in Vizianagaram, Vignan Institute of Information Technology in Visakhapatnam, Osmania University in Hyderabad, and pre-conference workshop at BVRIT in Narsapur.

DL Program 1 (June 03, 2026): The DL program is part of one-day workshop titled “Beyond Horizons: Advanced Wireless, Antenna, and Microwave Technologies for Space–Air–Ground Networks” which was organized by the KL University’s APS Student Branch Chapter advisor Prof. Venkata Kishore Kothapudi. Dr. C.J. Reddy (virtual), Dr. Sudhakar Rao, Prof. Hao Xin, Prof. Satish Sharma, Prof. Jawad Siddique, Prof. Anantha Bharathi, Prof. Sulakshana Chilukuri, & Ms. Tharrini Raj inaugurated the APS SBC (SBC62881M) followed by DL talks by Dr. Sudhakar Rao, Prof. Hao Xin, and Prof. Satish Sharma. Other speakers included Prof. Jawad Siddique, Prof. Anantha Bharathi, and Ms. Tharrini Raj (MathWorks India). Figure 1 shows pictures taken during the DL workshop. About 210 student members, faculty, and industry professionals participated enthusiastically in the event and interacted with the speakers.





Figure 1: Photos of DL Program 1

DL Program 2 (June 05, 2026): One Day International Distinguished Lecture Workshop on ‘Next-Generation Antenna Systems (NGAS): Reflectors, Arrays, and Strategic Space & Defence Applications’ was organized by Prof. Naresh Darimireddy of Lendi Institute of Engineering and Technology, Vizianagaram. The full-day event is systematically structured to transition from legacy satellite deployments into future-focused manufacturing, waveguide innovations, and AI-driven 6G networks. Dr. Sudhakar Rao addressed the participants during inaugural session regarding IEEE, AP-Society and WAMS society activities, role of these societies for professional engineers, internship opportunities for students under WAMS & RaoS Consultants LLC. Prof. P. Satish Rama Chowdary (Past Chair, IEEE AP-S Vizag-Bay Section chapter) addressed the participants of workshop with IEEE AP-S series of activities and volunteering opportunities. Speakers included Dr. Sudhakar Rao, Prof. Hao Xin, Prof. Satish Sharma, Prof. Jawad Siddique, & Prof. Anantha Bharathi and covered advanced satellite antenna designs, phased arrays, 3-D manufacturing, gap waveguide array technology etc. More than 120 students and professionals participated in this event and interacted with experts with several queries and guidance. Figure 2 shows photos of the event.





Figure 2: Photos of DL Program 2

DL Program 3 (June 06, 2026): IEEE AP-S Student Branch Chapter Inauguration & Distinguished Lecture Workshop on “Next-Generation Antenna Systems: Reflectors, Arrays, and Strategic Space & Defence Applications (NGAS)” was organized by Prof. Sameer Chakravarthy (advisor) and Ms. Monisha Gorle (SBC Chair) of Vignan Institute of Information Technology, Visakhapatnam. The program commenced with a traditional lamp-lighting ceremony, followed by the formal inauguration of the IEEE AP-S Student Branch Chapter. The organizers were honored by the virtual presence of IEEE AP-S President Dr. C. J. Reddy, who addressed the participants and extended his support and best wishes for the chapter. Dr. Sudhakar Rao (IEEE Life Fellow) joined Dr. C. J. Reddy in formally announcing the establishment of the VIIT AP-S Student Branch Chapter and the appointment of its office bearers. The technical centerpiece of the event was a series of IEEE AP-S Distinguished Lectures delivered by Dr. Sudhakar Rao, Prof. Hao Xin, and Prof. Satish Sharma. The talks covered the full spectrum of the workshop theme, from fundamentals of reflector and phased array antennas to their strategic applications in space, defence, and wireless communication systems. The event witnessed approximately 200 participants including 110 attendees were from other Student Branches of Dadi Institute of Engineering & Technology (Anakapalle), Ramachandra College of Engineering (Eluru), and Sri Srinivasa Institute of Engineering & Technology (Amalapuram). The event also triggered initiation to establish more AP-S SBCs in Vizag Bay Section. Following the Distinguished Lectures, Dr. Jawad Y. Siddiqui delivered a talk on AP-S membership development, encouraging students to actively engage with IEEE and avail themselves of the professional opportunities the Society offers. Prof. Anantha Bharathi of Osmania University delivered a talk on Gap Waveguides. Ms. Tharrini Raj (MathWorks) presented an industry talk, giving students an industry perspective on tools and practices relevant to antenna design and electromagnetic simulation. The students, enthused by the Distinguished Lectures, actively participated in a panel discussion featuring Dr. Sudhakar Rao, Prof. Satish Sharma, and Prof. Hao Xin as panellists. Students interacted closely with the panellists, seeking guidance and clarifying doubts on pursuing a career in antenna engineering, IEEE opportunities available to student members, and avenues for higher education abroad. The session proved to be highly engaging and offered valuable mentorship to the participants. Fig. 3 shows pictures taken during the event.



Figure 3: Photos of DL Program 3

DL Program 4 (June 08, 2026): The DL Workshop on “**Antenna Technologies Shaping the Modern-Day Communication Systems (ATSMCS-2026)**” was jointly organized by the IEEE OUCE AP-S Student Branch Chapter and the IEEE APS DL Program at the Osmania University, Hyderabad. The workshop brought together internationally renowned researchers, IEEE leaders, industry experts, faculty members, research scholars, and students to discuss recent advances in antenna technologies, microwave engineering, satellite communications, radar systems, and next-generation wireless networks. The inaugural session was graced by Prof. Kumar Molugaram, Hon’ble Vice-Chancellor, Osmania University, along with distinguished guests Dr. Sudhakar Rao, Prof. Christophe Fumeaux, Prof. Francesco P. Andriulli, and Dr. C. J. Reddy (virtual), Prof. P. Chandrasekhar, Prof. P. Naveen Kumar, Prof. D. Ramakrishna and Prof. A. Bharathi. A special highlight of the event was the presentation of the Dr. Sudhakar Rao Best Outgoing All-Rounder Awards (2025–26) to students who demonstrated excellence in academics, leadership, technical activities, and overall personality development. The award recipients were K. Vaishnavi, M. Charan Kumar, and A. Mounika.

The DL workshop featured expert lectures by Dr. C. J. Reddy, Prof. Christophe Fumeaux, Dr. Sudhakar Rao, Prof. Francesco P. Andriulli, Prof. Satish Sharma, Dr. Hao Xin, Dr. Nelson J. G. Fonseca, and Dr. Jawad Y. Siddiqui. The lectures covered computational electromagnetics, reflector and phased-array antennas, satellite communication systems, millimeter-wave technologies, antenna arrays, and electromagnetic structures, providing participants with valuable exposure to both theoretical concepts and industrial perspectives. The technical sessions were highly interactive, encouraging active participation from students, faculty members, and researchers through discussions and question-and-answer sessions. Distinguished speakers were felicitated with mementos in recognition of their valuable contributions. About 180 participants attended the event. Photos of the event are shown in Figure 4.





Figure 4: Photos of DL Program 4

DL Program 5 (June 09, 2026): A half-day pre-conference workshop on “Advanced antenna technologies shaping modern and next-gen communication applications” was organized by the IEEE APS SBC of BVRIT, Narsapur, Greater Hyderabad (host of WAMS 2026) on June 09, 2026 morning session starting with the inauguration of the SBC by Dr. C.J. Reddy, Prof. Christophe Fumeaux, Prof. Francesco Andriulli and DL speakers Prof. Desmond Sim, Prof. Hao Xin, Prof. Satish Sharma, and Dr. Sudhakar Rao. The event started with a temple visit followed by SBC inauguration, talks by APS Presidents (2025, 2026, & 2027), and DL talks by Dr. S. Rao, Prof. D. Sim, Prof. S. Sharma, and Prof. H. Xin. More than 110 participants attended and actively engaged with the speakers. Few photos of the event are attached in Figure 5.





Figure 5: Photos of DL Program 5