

Seminar On

Efficient Optimization and Application of Non-Uniform Layout for Large-Scale Array Antennas

Prof. Da-Zhi Ding

Nanjing University of Science and Technology, China

Date : 23 April 2026 (Thursday)
Time : 4:00 pm – 5:00 pm (Hong Kong Time, GMT +08:00)
Venue : G5315, Yeung Kin Man Academic Building, City University of Hong Kong
Language : Mandarin

Abstract

The report mainly introduces the research on the optimization design of ultra-wideband sparse arrays, and in response to the challenges faced in array design, such as the difficulty of low-cost and high-performance design and the difficulty of extracting multi-scale electromagnetic characteristics, it conducts research and application introduction from aspects such as efficient analysis of large-scale multi-objective optimization difficult array antenna electromagnetic characteristics and efficient sparse optimization design of antenna arrays, and explores the feasibility of various array layouts and beam optimization designs.

Biography



Da-Zhi Ding, Vice President of Nanjing University of Science and Technology, professor, doctoral supervisor and member of the Academic Committee. He is a recipient of the National Science Fund for Distinguished Young Scholars, the “Ten Thousand Talents Program” Leading Scientist Program, a fellow of the Chinese Institute of Electronics, and a standing director of the Chinese Institute of Electronics. His research mainly focuses on electromagnetic theory and microwave technology. He has published two academic monographs, over 180 academic papers, and over 60 authorized patents. He has received the First Prize of Jiangsu Science and Technology Award, the Second Prize of Natural Science of the Chinese Institute of Electronics, Jiangsu Youth Science and Technology Award and Top Ten Science and Technology Stars, Jiangsu Outstanding Middle-aged and Young Expert with Outstanding Contributions, and the First Prize of Jiangsu Graduate Education Reform Achievements, among others.

*** ALL ARE WELCOME ***

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