

The IEEE AP-S/MTT-S Joint Distinguished Instructors Workshop



Prof. Xun Gong



Prof. Haihan Sun



Prof. Shiban Koul

MEET THE LEADERS

READY FOR THE FUTURE



Virtual Webinar
October 25, Friday, 02:00 – 03:30 PM EST

Meet the Leaders / Demystify Technology / Reveal the Future /
Career Consultation / Interactive Dialogue / Inspirational Story

The IEEE AP-S/MTT-S Joint Distinguished Instructors Workshop (DIW)

The Distinguished Instructors Workshop (DIW) is a collaborative initiative jointly supported by the IEEE Antennas and Propagation Society (AP-S) and the IEEE Microwave Theory and Technology Society (MTT-S). The program aims to inspire undergraduate and tertiary students by bridging the gap between academic studies and the development of next-generation wireless communication technologies. World-renowned educators and engineers will offer insights into the history of microwave and antenna technologies, the evolution of modern wireless systems, and the cutting-edge wireless applications shaping the future. Instructors will also share their personal growth journeys, offering a unique perspective on their careers.

Being Part of the DIW

The Distinguished Instructors will take participants on an engaging journey through the history of wireless technology, from traditional applications like radio, TV, and early mobile phones, to today's advanced portable devices and wearable/implantable wireless sensors. Participants will explore the remarkable contributions of microwave and antenna technologies to human progress, gaining access to world-class educational resources and cutting-edge insights. Through direct interaction with the Instructors, students will experience the transformative power of technologies such as 5G/6G wireless communications, virtual reality, telepresence, and automotive radar in unmanned vehicles.

Webinar Format

The webinar will feature three concise presentations from our Distinguished Instructors, followed by a dynamic panel discussion. This is a unique opportunity for students to engage directly with experts in the field and ask questions about the future of wireless technology.

Why Attend?

Don't miss this exciting opportunity! Microwave engineering and antenna technologies are not only fascinating but also play a critical role in addressing many of the world's future challenges. This workshop will empower you to make your own contributions to this ever-evolving field.

Talk Titles and Speakers' Bios



AND GOD SAID
 $\nabla \cdot \mathbf{D} = \rho$
 $\nabla \cdot \mathbf{B} = 0$
 $\nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t}$
 $\nabla \times \mathbf{H} = \mathbf{J} + \frac{\partial \mathbf{D}}{\partial t}$
AND THERE WAS LIGHT.

Microwave Engineering: An Exciting Journey from Fields and Circuits to Components and Systems

Prof. Xun Gong, University of Central Florida, USA



Prof. Xun Gong

Prof. Gong received the Ph.D. degree in electrical engineering from the University of Michigan at Ann Arbor, USA. He is currently a Professor and Director of the Antenna, RF, and Microwave Integrated Systems (ARMI) Laboratory at the University of Central Florida, USA. His research focuses on microwave passive components and filters, sensors, antennas and arrays, flexible electronics, and packaging.



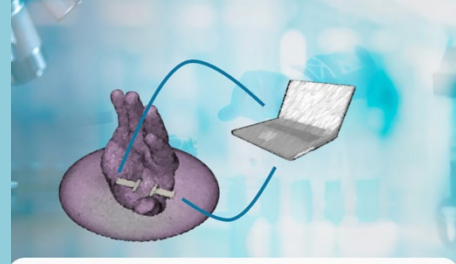
Diving into the Subsurface: Unveiling Hidden Worlds through Ground-Penetrating Radar

Prof. Haihan Sun, University of Wisconsin-Madison, USA




Prof. Haihan Sun

Prof. Sun received the Ph.D. in Electrical Engineering from University of Technology Sydney, Australia. She is current an Assistant Professor at University of Wisconsin-Madison, USA. Her research interests include antenna systems for next generation wireless communications, intelligent microwave sensing, and non-destructive testing technologies.



Electromagnetics For Healthcare

Prof. Shibhan K Koul, Indian Institute of Technology Delhi, India



Prof. Shibhan Koul

Prof. Koul (IEEE Life Fellow) received the Ph.D. degree in microwave engineering from the Indian Institute of Technology Delhi, India, where he is currently an Honorary Professor. His research interests include microwave circuits, device modelling, mm-wave IC design, body area networks, medical applications of sub-terahertz waves, and reconfigurable microwave circuits including miniaturized antennas.

Webex Registration: <https://ieeemeetings.webex.com/weblink/register/r3ba03abbfe3e9d66fe486337b5a44d6f>



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