

MICROWAVE EDUCATION AROUND THE WORLD

For Future Wireless Communications and Sensing from Megahertz to Terahertz

IEEE MTT-S Distinguished Microwave Instructors



Prof. Maurizio Bozzi



Prof. Nuno Carvalho



Prof. Anding Zhu

Virtual Webinar

May 6th, 2022 (12:00-14:00 CET)

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



READY FOR THE FUTURE

Sponsored by IEEE MTT-S

ATTENDANCE IS FREE BUT REQUIRES [PRE-REGISTRATION](#) TO PROVIDE YOUR NAME, EMAIL ADDRESS AND AFFILIATION. THE LINK TO THE WEBEX MEETING WILL BE AUTOMATICALLY SENT TO THE EMAIL ADDRESS THAT YOU INDICATED DURING THE REGISTRATION PROCESS.

The Distinguished Microwave Instructor (DMI) program

- The DMI program is supported by the IEEE Microwave Theory and Techniques Society (MTT-S) and organized by its Education Committee. The DMI program aims to stimulate the interests among undergraduate or tertiary students to bridge the pathway to the development of future wireless communications and sensing systems.
- Through the DMI program, world-famous educators and engineers will introduce the history of wireless technologies, the evolution of modern wireless systems, and the cutting-edge wireless applications to be used in our daily lives in the foreseeable future. These DMIs will also share their own experience of growth.

Being A Part of The DMI Program

- The DMIs will reveal the mysterious veil of wireless technologies and show you the long journey of wireless technologies from traditional applications 30 years ago (radio, TV and analogue mobile phone) to today's portable devices and wearable/implantable wireless sensors.
- The participants will learn about ground-breaking achievements that microwave and wireless technologies have made to human civilization.
- By engaging with the DMIs, the participants will have access to excellent educational resources, touch the evolution of microwave engineering and feel the changes in the world through vibrant technologies such as the 5G/6G wireless communications, virtual reality, telepresence and automotive radar in unmanned vehicles.

About the webinar format

- The webinar consists of three short presentations about relevant aspects of our future lives where microwave engineering will play a key role. After the presentations, the students will have the opportunity to engage in a lively panel session interacting with our three invited DMIs.

Why you should attend

- Don't miss this opportunity to discover that microwave engineering is not only fun but also a key aspect in many of our society's future challenges. Prepare to make your contribution!

Talk Titles and Speakers' Bios



**The Long Way of RF Technology:
from TV & Radio to Wearable Sensors**

Prof. Maurizio Bozzi, University of Pavia, Italy



Prof. Maurizio Bozzi

Prof. Bozzi (IEEE Fellow) received the Ph.D. degree in electronics and computer science from the University of Pavia, Italy, where he is currently a full professor. He was also with the University of Darmstadt, Germany, and the École Polytechnique of Montréal, Canada. His research interests include substrate integrated waveguide, sensors, and novel materials and technologies for microwave circuits.




**Wireless Energy – A NetZero
Alternative for Radio Communications**

Prof. Nuno Carvalho, University of Aveiro, Portugal



Prof. Nuno Carvalho

Prof. Carvalho (IEEE Fellow) received a Ph.D. degree in electronics and telecommunications engineering from the University of Aveiro, Portugal, where he is currently a full professor. He is also the MTT-President-Elect and the Director of the Electronics Department at his University. His more recent research interests include wireless power transmission and backscatter communications.



**Reducing Carbon Footprint of 5G
Using RF/Microwave Technology**

Prof. Anding Zhu, University College Dublin, Ireland



Prof. Anding Zhu

Prof. Zhu (IEEE Fellow) received the Ph.D. degree in electronic engineering from University College Dublin (UCD), Ireland, where he is currently a professor. His research interests include high-frequency nonlinear system modeling and device characterization techniques, high efficiency RF power amplifier design, wireless transmitter architectures, and nonlinear system identification algorithms.

More information can be found at https://mtt.org/event_calendar/dmi-may-2022/ where you can also register for free to this event.



IEEE MTT-S DISTINGUISHED MICROWAVE INSTRUCTOR PROGRAM

