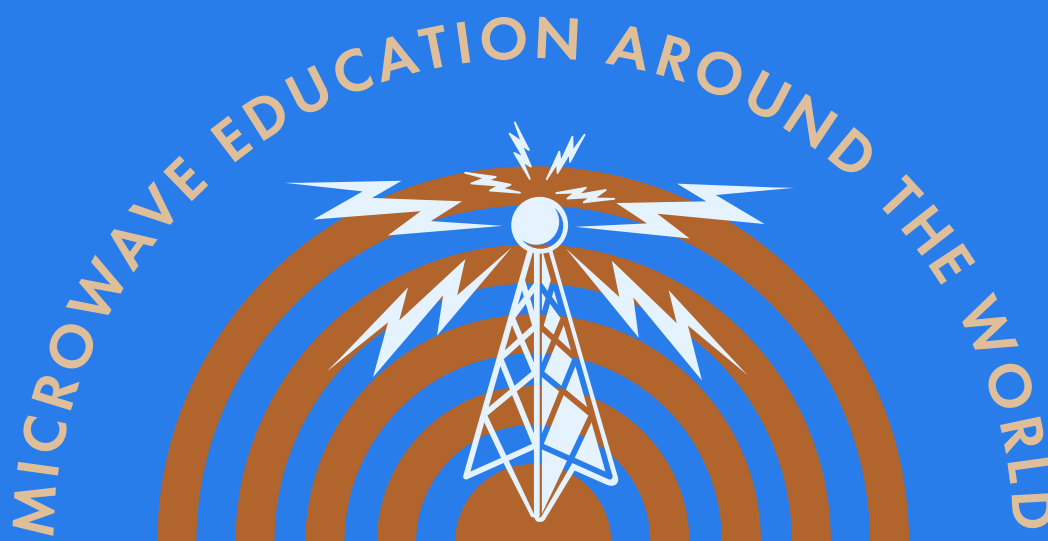




FOR FUTURE WIRELESS COMMUNICATIONS AND SENSING FROM MEGAHERTZ TO TERAHERTZ

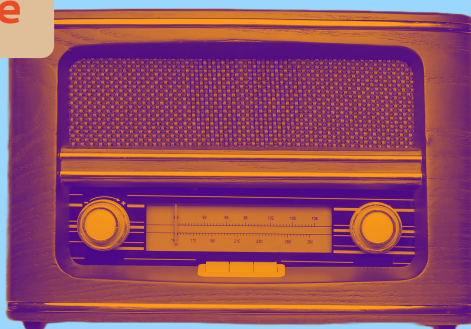
IEEE MTT-S Distinguished Microwave Instructors



Prof. Jasmin Grosinger Prof. Jae-Sung Rieh Prof. Shiban Koul

Hybrid Seminar May 4th, 2023 (12:00 - 14:00 CET)

Let's reveal the future



Hey, let's meet the leaders



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.

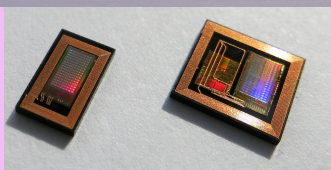
By engaging with the DMIs, the participants will have access to excellent educational resources, touch the evolution of microwave engineering and feel the changes in the world through vibrant technologies such as the 5G/6G wireless communications, virtual reality, telepresence and automotive radar in 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.

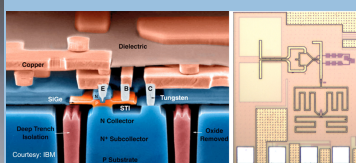
Why you should attend

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!



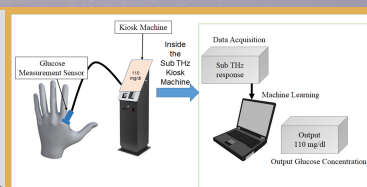
**RADIO FREQUENCY
DESIGNS FOR
SUSTAINABILITY**

Jasmin Grosinger is an Associate Professor at the Graz University of Technology (TU Graz), Austria. After receiving her MSc from the Vienna University of Technology (TU Vienna), Austria, she was a Project Assistant with the Institute of Telecommunications at TU Vienna and a Laboratory Associate with Disney Research, Pittsburgh, USA. In 2012, she received her PhD from TU Vienna. Since 2013, Jasmin has been with TU Graz, working on (ultra-)low-power wireless systems at the Institute of Microwave and Photonic Engineering. She also was a Guest Professor at the Friedrich-Alexander-University Erlangen-Nuremberg, Germany. Jasmin is an IEEE Senior Member, has authored over 70 peer-reviewed publications, and holds one US patent. She is actively involved in various microwave-related conferences' Technical Program and Steering Committees and is an Associate Editor of the IEEE Microwave and Wireless Technology Letters. She is a member of the IEEE Microwave Theory and Techniques Society (MTT-S) and a Distinguished Microwave Lecturer. Since 2023, she has been an Elected Voting Member of the IEEE MTT-S Administrative Committee.



**ELECTRONICS IN
EXTREME FREQUENCIES**

Professor Jae-Sung Rieh received the Ph.D. degree in electrical engineering from the University of Michigan, Ann Arbor, MI, USA, in 1999, and is currently teaching at Korea University. Prior to joining Korea University, he was with IBM Semiconductor R & D Center, where he worked on high-frequency SiGe HBTs. He was a visiting scholar at JPL, Pasadena, USA, in 2012, and at UCLA, Los Angeles, USA for 2018-2019. His major research interest lies in the mm-wave and terahertz devices and circuits. Prof. Rieh was a recipient of IBM Faculty Award (2004), and a co-recipient of IEEE EDS George E. Smith Awards (2002 and 2006) and IEEE Microwave and Wireless Component Letters Tatsuo Itoh Best Paper Award (2013). He has served as an Associate Editor of the IEEE Microwave and Wireless Components Letters (2006-2009) and the IEEE Transactions on Microwave Theory and Techniques (2010-2013). He is the author of a book, "Introduction to Terahertz Electronics (Springer Nature, 2021)". He is a Fellow of IEEE.



**ELECTROMAGNETICS
FOR HEALTHCARE**

Professor Shiban K Koul is currently an Emeritus Professor at the Indian Institute of Technology, Delhi. He served as the Chairman of Astra Microwave Products Limited, Hyderabad from 2009-2019 and Dr R.P. Shenoy Astra Microwave Chair Professor at IIT Delhi from 2014-2019.

Dr Koul's research interests include RF MEMS, millimetre and sub-millimetre wave IC design, body area networks, flexible and wearable electronics, and medical applications of sub-terahertz waves. He has authored/co-authored 601 research Papers, 24 state-of-the-art Books, 4 Book Chapters and 2 E-books. He holds 30 patents, 6 copyrights and one Trademark. He served as Distinguished Microwave Lecturer of IEEE MTT-S for the period 2012-2014 and has delivered more than 260 invited talks round the globe. He is recipient of numerous awards including IEEE MTT Society Distinguished Educator Award (2014). He is a life fellow of IEEE and has served IEEE MTT-S ADCOM for full 9-year term.



Please scan the QR code to get a ticket for the DMI Workshop Region 8. The Webinar link will be automatically sent to you via email.



Registration link - <https://ieeemeetings.webex.com/web link/register/r5e26f9d17cdc23150a7dbe8cfbca7403>