

## MW SENSORS, RFID, IOT AND SPACE APPLICATIONS WORKSHOP

**NRSC2025, 5 May 2025, AASTMT, Heliopolis, Cairo, Egypt**

**(Organizers: NRSC, IEEE-MTT Egypt Chapter & AASTMT)**

A joint workshop by NRSC, AASTMT and IEEE MTT-S will be held on 5 May 2025 as an initial opening part of the NRSC2025. The workshop is one of the MW/RF Technologies for Humanities Workshop Series launched by MTT Egypt Chapter. All professionals, industry members and interested students are encouraged to attend for free.

9:00-9:30			Workshop Registration
9:30-10:00	Welcome Messages		AASTMT Prof. Ismail Abdel Ghafar, President of the AASTMT
			ASRT Prof. Gena ElFiky, President of the ASRT
			NRSC Committee, NRSC, Prof. Said Elkhamy, IEEE Fellow, Communication and Electronic Eng. Dpt., Alexandria University, Egypt, President of NRSC Committee.
			IEEE Egypt Section Chapter, MTT17, CH08937 Prof. Ayman M. EL-Tager, IEEE Chair and Founder of IEEE-MTT Egypt Section Chapter, Chair of Electronic Eng. Dpt., MTC Cairo, Egypt.
10:00-10:45	Moderators: Prof. Said El-Khamy - Prof. Hadia Elhenawy		<b>MILLIMETER-WAVE AND TERAHERTZ SENSORS, SPECTROMETERS, AND RADARS FOR SPACE APPLICATIONS</b> Prof. Goutam Chattopadhyay, IEEE Fellow, NASA's Jet Propulsion Laboratory (JPL), California Institute of Technology, President, IEEE Microwave theory and Technology Society (MTT-S)
10:45-11:15			Coffee Break
11:15-12:00			<b>ENERGY-SUSTAINABLE IOT: SWIPT AND LEO SATELLITE INTEGRATION</b> Prof. Nuno Borges Carvalho, IEEE Fellow, URSI Fellow, Full Professor at University of Aveiro, Portugal, 2023 President, IEEE Microwave theory and Technology Society (MTT-S)
12:00-12:45			<b>EMERGING TRENDS IN TECHNOLOGIES AND MATERIALS FOR MICROWAVE COMMUNICATION AND SENSING</b> Prof. Maurizio Bozzi, IEEE Fellow, Full Professor at University of Pavia, Italy, 2024 President, IEEE Microwave theory and Technology Society (MTT-S)
12:45-13:00			Coffee Break
13:00-13:45			<b>ADVANCED COMPUTATIONAL ELECTROMAGNETIC TECHNIQUES FOR MICROWAVES AND PHOTONICS</b> Prof. Salah Obayya, IEEE Fellow, Director of the Center for Photonics and Smart Materials (CPSM), Egypt.
13:45-14:30			<b>CHALLENGES AND DEVELOPMENTS IN MILLIMETER-WAVE POWER TRANSISTORS</b> Prof. Samir EL-Ghazaly, IEEE Fellow, Full Professor at University of Arkansas, USA, Awards Committee past Chair, IMAS EXCOM Chair, (MTT-S)
14:30-14:45			Closing Ceremony

For Free Registration, Kindly use this link: <https://forms.gle/PDbtBAE1TemT32mm9>