

NSF WORKSHOPS – MONDAY, FEBRUARY 6TH, 2023

Time	Microwave Technology for Humanity Workshop Program
8:30 AM - 9:00 AM	Conference Check-in (Lobby)
9:00 AM – 9:20 AM	Opening Remarks (Main Hall) Prof. Samir El-Ghazaly et al.
9:20 AM – 12:40 PM	Workshop (1): Satellite and Space Communications (Main Hall) Prof. Aly Fathy Includes Coffee Break (Lobby: 10.40-11AM)
12:40 PM – 1:40 PM	Lunch Break (C7.01)
1:40 PM – 3:40 PM	Workshop (2): Recent Advances in Radars and Their Applications (Main Hall) Prof. John Papapolymerou
3:40 PM – 4:00 PM	Coffee Break (Lobby)
4:00 PM – 6:00 PM	Workshop (3): High-Power Microwave Technologies (Main Hall) Prof. Dimitris Pavlidis
	End of the DAY

The Workshop Organizers:

Prof. Samir El-Ghazaly (University of Arkansas)

Ms Sara Ghayouraneh (University of Arkansas)



IMAS 2023

1st IEEE International Microwaves & Antennas Symposium 7-9 February 2023 GUC, Cairo, Egypt. IEEE Conf. # 55807.



NSF WORKSHOPS – TUESDAY, FEBRUARY 7TH, 2023

Time	Microwave Technology for Humanity Workshop Program (Cont.)
01:00 PM – 2:00 PM	Lunch Break (C7.01)
02:00 PM – 3:40 PM	(Main Hall) NSF Workshop (4): Technology for smart villages and smart cities in Africa Prof. Edward Rezek
03:40 PM – 4:00 PM	Coffee Break (C7.01)
04:00 PM – 5:40 PM	(Main Hall) NSF Workshop (4) (Cont.): Technology for smart villages and smart cities in Africa Prof. Edward Rezek
	End of the DAY

The Workshop Organizers:

Prof. Samir El-Ghazaly (University of Arkansas)

Ms Sara Ghayouraneh (University of Arkansas)





IMAS 2023

1st IEEE International Microwaves & Antennas Symposium in Africa 7-9 February 2023 GUC, Cairo, Egypt. IEEE Conf. # 55807.

DAY 1 – TUESDAY, FEBRUARY 7TH, 2023

Time	Program		
8:30 AM-9:30 AM	Registration		
9:30 AM - 10:15 AM	Conference Opening (Main Hall) IMAS2023 Chairs, IEEE-MTT president, IEEE-APS president, and GUC president		
10:15 Am - 11:00 AM	Invited talk (Main Hall) Self-complementary and duality in Meta-surfaces Prof. Stefano Maci, IEEE-APS president, Italy		
11:00 AM - 11:30 AM	Coffee Break (Lobby)		
11:30 AM - 12:15 PM	Invited talk (Main Hall) Microwave and Millimeter-Wave Phase Change Material (PCM) Devices for Future Communication Systems Prof. Rafaat Mansour, University of Waterloo, CA		
12:15 PM – 01:00 PM	Invited Talk (Main Hall) Microwave Water Cut Sensors for Oil Industry: From Design to Deployment in the Field Prof. Atif Shamim, KAUST, KSA		
01:00 PM – 2:00 PM	Lunch Break (C7.01)		
02:00 PM – 4:15 PM	Session (Room A)	Session (Room B)	Young Professionals (Lobby)
	Advanced RF Techniques	Antenna Array	Panel Discussions & Meet up
End of the DAY			

Young Professionals' Dinner





IMAS 2023

1st IEEE International Microwaves & Antennas Symposium in Africa 7-9 February 2023 GUC, Cairo, Egypt. IEEE Conf. # 55807.

DAY 2 – WEDNESDAY, FEBRUARY 8TH, 2023

Time	Program			
9:00 AM - 10:45 AM	IEEE AP-S SIGHT Panel Discussions (Main Hall) Y.M.M. Antar, Jawad Y. Siddiqui RMC, Canada			Special Session (Room T) Microwave Applications in Space Prof. Imran Mehdi, NASA, USA
10:45 AM - 11:00 AM	Coffee Break (Lobby)			
11:00 Am - 11:45 AM	Invited Talk (Main Hall) A next wave of Wireless Communication is Here: How 6G will Evolve? Prof. Qammer Abbasi, University of Glasgow, UK			Session (Room C) Reconfigurable Antennas
11:45 AM - 12:30 PM	Invited Talk (Main Hall) Health and Safety Aspects of Millimeter-wave Radiation in 5G and beyond Prof. Abbass Omar, University of Magdeburg, Germany			
12:30 PM - 1:15 PM	Lunch Break (C7.01)			
01:15 PM - 3:15 PM	Session (Room A) RF Components	WIE Session 1 (Room B) Bridging The Gap between Industry and Academia	Session (Room C) MIMO Antennas	Special Session (Room T) EM for Biomedical Applications Prof. Aly Fathy,UTK, USA Prof. George Shaker, Waterloo, CA
03:15 PM - 3:30 PM	Coffee Break (Lobby)			
03:30 PM - 5:30 PM	Session (Room A) RF Transceivers Front-End	WIE Session 2 (Room B) Women in Microwave Engineering	Session (Room C) Planar and Wearable Antennas	Tutorial (Room T) AI Enabled Nanoscale Communication and Sensing at Terahertz for Future Healthcare Prof. Qammer Abbasi, U. of Glasgow, UK
7 PM	Gala Dinner			

Post Graduate Poster Session – Wednesday, February 8th, 2023 (Lobby, 01:30 PM - 3:30 PM)





DAY 3 – THURSDAY, FEBRUARY 9TH, 2023

Time	Program			
9:00 AM - 11:00 AM	Session (Room A) Wireless & Cellular Circuits	Session (Room B) RFID antennas and WPT Systems	Session (Room C) Measurements	Tutorial (Room T) Analog Devices Incorporation
11:00 AM - 11:15 AM	Coffee Break (Lobby)			
11:15 AM - 12:00 PM	Invited Talk (Room A) Disaggregated Open Optical Transport Networks Prof. Hatem Abdelkader, MITRE Corporation, USA		Technical Lecture (Room B) MHz to mm-Wave WPT and Harvesting in Electromagnetically Harsh Environments using Large-Area Electronics Prof. Mahmoud Wagih, University of Glasgow, UK	
12:00 PM - 2:00 PM	Session (Room A) Photonics, Sensors & THz Applications	Session (Room B) Propagation & related Topics	Session (Room C) Non-planar Antennas	Special Session (Room T) Reconfigurable intelligent surfaces for wireless communications Prof. Afshin Daryoush, Drexel, USA, Prof. Saber Zein Eldin, Menouf, EG
02:00 PM - 3:00 PM	Lunch Break (C7.01)			
3:00 PM - 3:45 PM	Invited talk (Main Hall) Backscatter Radios Prof. Nuno Carvalho, IEEE-MTT president, Portugal			
3:45 PM - 5:00 PM	Closing Session (Main Hall) IMAS2023 Chairs Talk, Awards Distribution			
	End of the DAY			

Graduation Projects Poster Session – Thursday, February 9th, 2023 (Lobby, 11:30AM - 1:30 PM)

