

NSF WORKSHOP – MONDAY, OCTOBER 21ST, 2024 (1ST DAY OF WORKSHOP)

Time		
8:30 - 9:00	Workshop & Conference Check-in (Main Hall)	
9:00 – 9:30	Opening Remarks (Room Atlas III) Prof. Samir El-Ghazaly et al.	
9:30 – 12:15	Workshop 1: Advancements in Power Amplifier Design and High-Frequency Electronic Devices for Modern Communication Systems (Room Atlas III) Includes Coffee Break (10:10 AM -10:30 AM) Ali Darwish, Hua Wang, Slim Boumaiza,	
12:15 – 13:30	Lunch	
13:30 – 15:00	Workshop 1 (continued) (Room Atlas III) Dimitris Pavlidis, Gamal Hegazi	Workshop 2 Satellite Communications (Room Atlas IV) Justin Stambaugh Ramesh Gupta,
15:00 – 15:30	Coffee Break (Main Hall)	
15:30 – 17:00	Workshop 1 (continued) (Room Atlas III) Zacharia Ouadirhi, Telesphor Kamgaing	Workshop 2 (continued) Goutam Chattopadhyay Tim Lee
	End of the DAY	

The Workshop Organizers:

Prof. Samir El-Ghazaly (University of Arkansas)

Prof. Aly Fathy (University of Tennessee, Knoxville)

Prof. Ali Darwish (U.S. Army Research Laboratory)



DAY 1 – TUESDAY, OCT. 22ND, 2024

Time	Program				
8:30 - 9:00	Registration				
9:00 - 9:45	Conference Opening (Room Atlas III) IMAS2024 Chairs, IEEE-MTTS president, IEEE-APS president				
9:45 - 10:30	Invited talk 1: Novel Solutions for Microwave Sensors (Room Atlas III) Prof. Maurizio Bozzi, IEEE-MTTS president, Italy				
10:30 - 11:00	Coffee Break (Main Hall)				
11:00 - 11:45	Invited talk 2: Antennas and microwave computational and design methodologies and interdisciplinary applications (Room Atlas III) Prof. Branislav M. Notaros IEEE-APS president, USA				
11:45 – 12:30	Invited Talk 3: Flexible, Wearable, Disposable Wireless Communication and Sensing Systems Through Additive manufacturing (Room Atlas III) Prof. Atif Shamim, KAUST, Saudia Arabia				
12:30 – 13:30	Lunch				
13:30 – 15:00	S1 Antennas and related Topics 1 (Room Atlas I)	S2 RF/Microwave Circuits and Systems 1 (Room Atlas II)	Young Professionals (Room Atlas III) Panel Discussions & Meet up	MTT-S Chapter Chairs Meeting (Room Atlas IV)	Poster Session 1 (Main Hall)
15:00 – 15:20	Coffee Break (Main Hall)				
15:20 – 16:00	Seminar Opportunities for Research Funding (Room Atlas III)				
16:00 – 17:30	S3 Antenna and related topics 2 (Room Atlas I)	S4 RF/Microwave Circuits and Systems 2 (Room Atlas II)	S5 Measurements (Room Atlas IV)	Tutorial 1 (Atlas III) Design of Broadband Matching Networks and Microwave Amplifiers via Real Frequency Techniques (RFT)	

DAY 2 – WEDNESDAY, OCT. 23RD, 2024

Time	Program			
9:00 - 9:45	Invited talk 4 : NASA Technologies to Explore The Universe (Room Atlas III) Prof. Goutam Chattopadhyay, NASA's Jet Propulsion Laboratory (JPL), California Institute of Technology			Tutorial 2 Understanding Quantum Computing Prof. Abbas Omar (Room Atlas II)
9:45 - 10:30	Invited Talk 5: Additive Manufacturing: Emerging Opportunities for Microwave Components (Room Atlas III) Prof. Cristiano Tomassoni, University of Perugia, Perugia, Italy			
10:30 - 11:00	Coffee Break			
11:00 - 11:45	Invited Talk 6: UWB HOLOGRAPHIC ELECTROMAGNETIC IMAGING FROM MICROWAVES TO THZ (Room Atlas III) Prof. Luis Jofre-Roca, Technical University of Catalonia (UPC), Barcelona, Spain			Workshop 3 Quantum Computing Abbas Omar Raafat Mansour (Room Atlas II)
11:45 - 12:30	Invited Talk 7: Net ZERO Radio Communications Use of SWIPT for IoT applications (Room Atlas III) Prof. Nuno Borges Carvalho University of Aveiro, Portugal			
12:30 - 13:30	Lunch			
13:30 – 14:15	Invited Talk 8: How to Bring 6G to Reality? (Room Atlas III) Prof. Qammer Abbasi University of Glasgow, UK			Poster Session 2 (Main Hall)
14:15 – 15:45	Workshop 4 (Room Atlas III) AI and GPR tools for landmine detection Prof. Yahia Antar & Prof. Jose Felix Vega	S7 RF/Microwave Circuits and Systems 3 Room (Atlas II)	WIE Panel Session (Atlas IV) Moderator Prof. Aznabet & Prof. Olga Boric-Lubecke	
15:45 - 16:10	Coffee Break			
16:10 - 17:40	Workshop 4 (Continued) (Room Atlas III)	S9 RF/Microwave Circuits and Systems 4 (Room Atlas II)	IEEE AP-S SIGHT COPE Panel Session (Room Atlas IV) Ajay Poddar, Yahia Antar, Jawad Siddiqui, Anisha M. Apte, M. Essaaidi	S8 Antennas and related topics3 (Room Atlas I)
19:00	Gala Dinner			

DAY 3 – THURSDAY, OCT. 24TH, 2024

Time	Program		
9:00 - 9:45	Invited talk 9: Compact Circularly Polarized Stepped-Reflectarray for Broadband Enhancement (Room Atlas III) Prof. Ahmed A. Kishk Concordia University, Montréal, Québec, Canada		Young Professionals Research Activities (Main Hall)
9:45 – 10:30	Invited Talk 10: THz Heterodyne Receivers: Challenges and Current Status (Room Atlas III) Pr. Imran Mehdi Jet Propulsion Laboratory, California Institute of Technology		
10:30 - 10:50	Coffee Break		
10:50 - 12:20	S10 Antennas and related topics 4 (Room Atlas I)	Workshop 5 (Room Atlas III) Biomedical Applications Aly E. Fathy, Victor Lubecke, George Shaker, Rong Zheng	Tutorial 3 How to Write a Paper for IEEE Journals and Navigate the Review Process Prof. George E. Ponchak (Room Atlas II)
12:20 – 13:40	S11 Antennas and related topics 5 (Room Atlas I)		
13:40 – 14:30	Lunch		
14:30 - 15:15	Invited Talk 11: Key Technological Innovations for Next Generation (Terrestrial/ Submarine) Optical Transport Networks (Room Atlas III) Prof. Hatem Abdelkader MITRE Corporation, USA		
15:15 - 16:30	Closing & Awards Ceremony (Room Atlas III) IMAS2024 Chairs Talk, Awards Distribution		