



Technical Program (Conducted) Wireless Communication & Radar

Venue: Beijing Hall, RAMADA Hotel Murree Hills
Updated: 22 August 2025



Day 1: August 19, 2025

11:00-Onwards	REGISTRATION	
13:00-14:00	LUNCH	
14:00-15:00 Invited Talk # 1	UAV High-resolution Synthetic Aperture Radar (SAR for Urban Height Retrieval: InSAR vs TomoSAR)	Prof Rui Guo NPU Xian China
15:00-15:45 EM & Antenna (Session-I)	WCR-481 A Novel Lily Pad Antenna for UHF Glacial Environmental Sensor Networks	Muhammad Abdur Rehman Hashmi NUST-PNEC, Pakistan
	WCR-162 Spatially Efficient Enhanced-Isolation CRPA Array Solution for GPS Anti-Jamming Applications	Malik Muhammad Abdullah NUST, Islamabad, Pakistan
	WCR-491 Compact High-Gain Dual-Band MIMO Antenna for 5G Millimetre-wave Applications	Bilal Aslam UET Taxila, Pakistan
15:45-16:00	TEA	
16:00-17:15 RF & Microwave (Session-II)	WCR-272 A Compact Dual-Band Bandpass Filter for Efficient Frequency Isolation in Wireless Networks	Bilal Mushtaq Riphah International University, Islamabad, Pakistan
	WCR-515 Modified Wilkinson Power Divider using Multilayer Structure for Phased Array Applications	Muhammad Kashif Beihang University, Beijing, China
	WCR-283 Novel Generalized Synthesis Procedure for Broadband Bandpass Filters	Muhammad Abdul Rehman Riphah International University, Islamabad, Pakistan
	WCR-396 High Isolation Customized C-Band Circulator with Reduced Bandwidth for RADAR Application	Aliza Sadaf CESAT, Islamabad, Pakistan
	WCR-249 Design of a Compact Quasi-Chebyshev Bandpass Filter Using Modified Broadside Coupled Lines	Bilal Mushtaq Beaconhouse International College Islamabad, Pakistan

NS=No Show (WCR-323)



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**22nd International Bhurban Conference
on Applied Sciences & Technology**

19-22 August, 2025



Day 2: August 20, 2025

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09:30-11:10 (Session- I)	AESA Radar System Design (Workshop)	Dr. Flippo Neri VirtuaLabs Radar & EW Innovation Italy
TEA		
11:30-12:50 (Session- II)	AESA Radar System Design (Workshop)	Dr. Flippo Neri VirtuaLabs Radar & EW Innovation Italy
LUNCH		
14:00-15:00 (Session- III)	AESA Radar System Design (Workshop)	Dr. Flippo Neri VirtuaLabs Radar & EW Innovation Italy
15:00-15:45 Radar & EW (Session- IV)	WCR-321 High Resolution Imaging Based on Hybrid Reconstruction Techniques for Through-the-Wall MIMO Radar	Muhammad Rehan Khalid CESAT, Islamabad, Pakistan
	WCR-251 High resolution spectrum sensing for real time monitoring of the narrowband HF radio signals	Muhammad Jawad CESAT, Islamabad, Pakistan
	WCR-319 An Efficient Digital Monobit Receiver for Reliable Instantaneous Frequency Measurement of Simultaneous Signals	Yasir Iqbal CESAT, Islamabad, Pakistan
TEA		
16:00-16:30 MMIC Design (Session- V)	WCR-363 48 dBm X-Band GaN-on-SiC Power Amplifier for Radar Applications	Mudassir Ali CESAT, Islamabad, Pakistan
	WCR-454 GaN-Based Robust and Ultra Low Noise Amplifier for X-Band Single Chip Integrated Front-End MMIC	Muhammad Assad CESAT, Islamabad, Pakistan



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Day 3: August 21, 2025

09:30-10:30 Invited Talk # 2	Radar Sensing in Assisted Living : An Overview	Dr. Julien Le Kerneç University of Glasgow UK
10:30-11:00 Radar & EW (Session-I)	WCR-322 A Robust Approach for Direction-of-Arrival Estimation Using Lookup Table Based Circular Array Correlative Interferometer	Muhammad Rehan Khalid CESAT, Islamabad, Pakistan
	WCR-323 No Show Multiphysics Design and Simulation of a Ku-Band Helix Traveling-Wave Tube Assembly	Muhammad Atayyab Shahid NUST, Islamabad, Pakistan
11:00-11:20	TEA	
11:20-12:20 Invited Talk # 3	AI Based 5G Broadcast for Public Safety	Prof Hasari Celebi Gebze Technical University Turkiye
12:30-14:00	LUNCH	
14:00-15:00 Plenary Talk # 1	Digital Radar Intercept and countermeasures (DRIAC)	Dr. Flippo Neri VirtuaLabs Radar & EW Innovation Italy
15:00-16:00 Plenary Talk # 2	Progress in Advance Materials	Prof. Hasan Mandal Rector Istanbul Technical University Turkiye
16:00-16:20 Plenary Talk # 3	IEEE: Advancing Technology for Humanity	Dr. Noshewan Shoaib Chairperson IEEE Islamabad Section
16:20-17:05 Communication System (Session-II)	WCR-492 Semantic-Aware GNNs for Real-Time Edge Intelligence in 6G Networks	Arshad Farhad Bahria University, Islamabad, Pakistan
	WCR-365 Real-Time Audio Signal Integrity in AWGN: Leveraging Reed-Solomon Coding and M-FSK for Enhanced PESQ and STOI Scores	Muhammad Daniyal, School of Biological Science and Medical Engineering, Beihang University, China
	WCR-500 Comparative Analysis of OFDMA-Based Spectrum Access Control Using UORA in Wi-Fi 6 and Wi-Fi 7 Under Static and Highly Dynamic Environments	Abdul Rehman Bahria University Islamabad, Pakistan