



Technical Program (Tentative) Wireless Communication & Radar



20th International Bhurban Conference
on Applied Sciences & Technology
22-25 August, 2023



Day 1: August 22, 2023

11:00-Onwards	REGISTRATION	
13:00-14:00	LUNCH	
16:00-17:00 EM & Antenna Session-I	WCR-276 Compact Dual-Band Antenna for WIFI/WiMAX Applications	Syed Tamoor Shah UET Taxila, Pakistan
	WCR-411 Design of a miniaturized dual-band Frequency Selective Surface for Wi-Fi Applications	Muhammad Ejaz CESAT, Islamabad, Pakistan
	WCR-317 Dual-Polarized Printed Dipole Antenna with Wide Azimuth Beamwidth	Muhammad Talha CESAT, Islamabad, Pakistan
17:00-17:20	TEA	
17:20-19:20 EM & Antenna Session-II	WCR-328 Frequency Selective Surface Resorber Design Based on Miniaturized Elements to Obtain High Angle Stability	Saqib Ali CESAT, Islamabad, Pakistan
	WCR-178 Broadband Field Decorrelation in a 4-Element MIMO Antenna using Transformation Electromagnetics	Usman Tariq Qureshi CESAT, Islamabad, Pakistan
	WCR-457 Compact High Gain, High Isolation, and Ultrabroadband AMC-based MIMO Antenna for 5G Millimetre Wave Applications	Bilal Aslam UET Taxila, Pakistan
	WCR-564 A Sensitive Dual-Stage Active Wideband Electric Field Probe for Near-Field Measurements	Mohammed Ahmed Khodeir BUAA, Beijing, China
	WCR-174 Beam Steering of a Circularly Polarized X/Ku-band Shared Aperture Antenna Array	Sohaib Saeed CAE, NUST, Pakistan
	WCR-210 Design of a Planar Four-Port Microstrip Triplexer using Stub-Loaded Coupled Line Resonator for Advanced Wireless Applications	Muhammad Idrees Riphah International University, Islamabad, Pakistan



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Day 2: August 23, 2023

09:30-10:30 Invited Talk # 1	Inverse SAR Imaging, Scattering Phenomenology, Signal Processing for Detection & Classification	Prof. Caner Özdemir Mersin University Turkiye
10:30-11:10 RF & Microwave Session-I	WCR-567 LPNOsc: An X-band Low-Phase-Noise Oscillator Based on Complementary Coupled Resonator	Junaid Tahir NUST, Islamabad, Pakistan
	WCR-66 A Linear Microstrip Phased Array with Novel Integrated Phase Shifters	Muhammad Ayaz COMSATS University Islamabad
11:10-11:30	TEA	
11:30-12:30 Radar & EW	WCR-598 Review of Inverse Synthetic Aperture Radar (ISAR), Polarimetric ISAR Imaging and Interpretation	Caner Özdemir Mersin University Turkiye
	WCR-574 Drone Detection and Classification on Micro-Doppler Signatures using FMCW Radar	Muhammad Zeeshan CESAT, Islamabad, Pakistan
	WCR-289 Space-Time-Processing Optimization for Accurate DOA Estimation in Ultra Wideband Systems	Waqas Ahmed CESAT, Islamabad, Pakistan
12:50-14:00	LUNCH	
14:00-15:00 Invited Talk # 2	High Resolution & Wide-coverage SAR, Space born SAR Image Quality Enhancement	Prof. Chen Jie BUAA, China
15:00-16:00 RF & Microwave Session-II	WCR-304 Design of Microstrip based Miniature Highly Selective Bandpass Filter for Radio & Radar Applications	Abdul Moeed Safdar CAE, NUST, Risalpur, Pakistan
	WCR-575 GaAs Based Ku-Band Low Noise Amplifier Design Using Simplified T-Matching Network and Current-Reuse Topology	Muhammad Assad CESAT, Islamabad, Pakistan
	WCR-165 Design and Analysis of Broadband Bandstop Filter using Dual Path Capacitive Coupled Resonator for 4G and 5G Applications	Muhammad Abdul Rehman Riphah International University Islamabad, Pakistan
16:00-17:00 Communication System Session-I	WCR-114 Radio frequency channel states analysis in evolved cellular networks using probabilistic model checking.	Tariq Mumtaz Habib University Karachi, Pakistan
	WCR-85 Admission, Association, and Rate Maximization in a UAV Assisted User Clustering Based Downlink Hybrid Multiple Access HetNets	Umar Ghafoor UET Taxila, Pakistan
	WCR-102 Multipath Mitigation using Discrete Wavelet Denoising for GNSS Point Positioning	Aqsa Zulfiqar IST, Islamabad, Pakistan



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17:00-17:20	TEA	
17:20-18:00 Communication System Session-II	WCR-348 Enhancing Smartphone Positioning Accuracy through Optimal GNSS Setup and Correction Data Configuration: A Comparative Study	Abdullateef .O Agbaje Beihang University Beijing, China
	WCR-495 Sparsity Adaptive RIS in MIMO Wireless Communication System	Muhammad Haroon MCS, NUST Rawalpindi, Pakistan
Day 3: August 24, 2023		
09:30-12:30 Special Session	Special Session-I (Industry academia discussions)	Prof. Caner Özdemir Mersin University Turkiye
	Special Session-II (Industry academia discussions)	Prof. Chen Jie BUAA, China
12:50-14:00	LUNCH	