



Technical Program (Tentative) Wireless Communication & Radar



16th International Bhurban Conference
on Applied Sciences & Technology
08-12 January, 2019

Day 1: January 8, 2019			Day 2: January 9, 2019				
9:30-Onwards	REGISTRATION		09:30-10:30 Invited Talk # 2	Wideband phased array antenna	Prof. Dou Wenbin State Key Lab. of Millimeter Waves, SEU, China.		
10:30-12:00	INAUGURAL CEREMONY		10:30-11:10 RF & Microwave Session-I	WCR-189 Realistic Estimation of Signal-to-Noise Ratio in Microwave Receivers	Muhammad Zahid CESAT, Islamabad, Pakistan		
			Session Chair: Dr. Sher Azam	WCR-469 Design, optimization and realization of two compact C-band microstrip BPF structures	Amjad Altaf Beihang University Beijing, China		
12:30-1400	LUNCH		11:10-11:30	TEA			
14:00-15:00 Invited Talk # 1	RF Frontend Design for SDR and Cognitive Radio Applications	Dr. Rashad M. Ramzan FAST National University (NUCES), Islamabad, Pakistan	11:30-12:50 RF & Microwave Session-II	WCR-830 A 6 Watts LDMOS Wideband Balanced Power Amplifier	Waqar Ahmad Maik Abasyn University Islamabad, Pakistan		
			Session Chair: Dr. Sher Azam	WCR-523 Design and analysis of three stage one into four- way equal Wilkinson Power Divider	Amjad Altaf Beihang University Beijing, China		
			WCR-383 Broadband Quadrature Hybrid for Image Rejection in Millimeter-wave Receivers	Umar Dilshad Beihang University Beijing, China			
			WCR-770 Two-parameter capacitance compensation for quasi-ideal directional coupler design in packaged substrate	Chen Chen Beihang University Beijing, China			
15:00-16:20 EM & Antenna Session Chair: Dr. Ali Imran Najam	WCR-821 An Extended Split Ring Resonator Type Metasurface for Microwave Applications	Bilawal Khan UET Mardan, Pakistan	12:50-1400	LUNCH			
			WCR-794 Tri Band Circularly Polarized Micro-strip Patch Antenna for GPS and DVB-H Applications	Muhammad Saqib Nazir SEECS, NUST, Islamabad Pakistan	14:00-15:00 Invited Talk # 3	Overview of Radar Anti-Jamming Technology	Prof. Xiongjun Fu BIT, China
			WCR-470 High Power Low-Loss Terahertz Filter with Higher-Order Mode Suppression	Cunjun Ruan Beihang University, China	15:00-16:40 Algorithm Session Chair: Dr. Najam Abbas Naqvi	WCR-116 Viterbi Algorithm performance analysis for different constraint length	Sohail Ahmed CESAT, Islamabad, Pakistan
			WCR-165 A miniaturized polarization insensitive frequency selective surface at Ka band	Rana Sadaf Anwar University of Science & Technology Beijing, China		WCR-187 CGI script and MIPG video streamer based surveillance robot using Raspberry PI	Muhammad Hamza Air University Islamabad, Pakistan
						WCR-665 Performance analysis of machine learning algorithms on self-localization systems	Hina Shamshad CESAT, Islamabad, Pakistan
			WCR-742 Binomial Series Expansion of Frequency Offset for Synthesis of Frequency Diverse Array Beampattern	Mobeen Mahmood American University of Sharjah, UAE			
			WCR-758 Adaptive Detection and Correction of Faulty Elements in Frequency Diverse Array	Abdul Basit UESTC, China			



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Day 3: January 10, 2019

09:30-10:30 Invited Talk # 4	Electrically switchable metadevices and their applications	Dr. Humeyra Caglayan Tampere University of Technology, Finland	*Poster Session	WCR-321 Survey of Systems Engineering approaches for design and development of AESA Radar for fighter aircraft	Muhammad Zeeshan CAE, NUST, Islamabad, Pakistan
10:30-11:10 Radar System	WCR-777 Comparative Survey of Techniques and Technologies Used in Transmit Path of Transmit Receive Module of AESA Radar	Muhammad Saqib CAE, NUST, Pakistan		WCR-160 Direct-Sequence Spread Spectrum with variable spreading sequence for jamming immunity	Muhammad Ahsan Munir IST Islamabad, Pakistan
Session Chair: Dr. Ijteba	WCR-168 Modulation Characteristics Analysis of the LPI Radar Pulses under non-Cooperative Environment	Muhammad Jawad CESAT, Islamabad, Pakistan		WCR-50 Design and Manufacturing of Ku Band Coupler	Faheem Gulzar Abasyn University, Pakistan
11:10-11:30	TEA			WCR-382 Compact and Efficient Wideband Variable Gain LNA MMIC on InGaAs pHEMT	Umar Dilshad Beihang University Beijing, China
11:30-12:50 Communication System Session-I	WCR-804 The Operational Complexity Reduction Algorithm for Single Relay Wireless Cooperative Network	Imran Ullah Harbin Engineering University, China		WCR-769 Backhaul Pairing of Small Cells using Non-Orthogonal Multiple Access	Faizan Saeed IST, Islamabad, Pakistan
Session Chair: Dr. Abid Rafique	WCR-811 Energy Aware Path Selection based Efficient AODV for MANETs	Muhammad Khalid Riaz NPU, China	*Poster Session will be held on Wednesday 9 th January 2019 (whole day). The mandatory presence of poster presenter is required during the tea break (11:10-11:30)		
	WCR-825 Blind, adaptive channel shortening TEQ for multicarrier modulation systems with low-computational complexity	Zeyad A. H. Qasem Xiamen University, China			
	WCR-827 Spectral efficiency enhancement using clustered LTV channel model in mmWave doubly massive MIMO system	Hameed Ullah IST, Islamabad, Pakistan	Presenters may use a single A0 sheet or multiple A4 sheets for their poster presentation. Authors of poster session have to bring their own printouts. Poster stands will be provided along with necessary attachment aids.		
12:50-1400	LUNCH				
14:00-15:00 Invited Talk # 5	Dual-mode/triple-mode dielectric cavity filter	Prof. Yun Liu NUAA, China	For any query contact: Program Coordinator: Dr. Naveed Ahsan : +92-320-5558878 Deputy Program Coordinator: Dr. Abdul Mueed : +92-321-5149669 Email: wcr@ibcast.org.pk		
15:00-16:40 Communication System Session-II	WCR-29 Performance Analysis of Simple TCP and F-TCP for Smooth Connectivity in Wireless Communication	Shahab Ul Islam IQRA National University Peshawar, Pakistan			
Session Chair: Dr. Atif Raza	WCR-113 Simulated view of SDN based multicasting over D2D enabled heterogeneous cellular networks	Janfizza Bukhari SEECs NUST, Islamabad, Pakistan			
	WCR-376 Enhancement of Bit Error Rate Performance of Wideband System Using Principal Component Analysis by Extraction of Strongest Multi-path	Syed M. Saad Ali FAST, Islamabad, Pakistan			
	WCR-633 A Review on the Evolution of Cellular Technologies	Qazi Kamal Ud Din Arshad IIU Islamabad, Pakistan			
	WCR-672 Performance Analysis of Multi-User Polar Coded CDMA system	Rida Tahir IST, Islamabad, Pakistan			

