



Technical Program (Tentative) Wireless Communication & Radar



15th International Bhurban Conference
on Applied Sciences & Technology

09-13 January, 2018

Day 1: January 9, 2018			Day 2: January 10, 2018		
9:30-Onwards	REGISTRATION		09:30-10:30 Invited Talk # 3	RCS measurement in Compact Antenna Test Range	Prof. Zheng Peng Wang Beihang University, China
10:30-12:00	INAUGURAL CEREMONY		10:30-11:10 RF & Microwave Session-I	WCR-261 A 20W Single-Input Doherty Power Amplifiers bandwidth extension for Wireless Communication	Mustazar Iqbal Politecnico di Torino, Italy
			Session Chair: Dr. Sher Azam	WCR-569 16 Ways X-band Wilkinson Power Divider for Phased Array Transmitter	Ali Ahmed Rauf NECOP, Islamabad, Pakistan
12:30-1400	LUNCH		11:10-11:30	TEA	
14:00-14:50 Invited Talk # 1	Near Field Measurements and Imaging	Prof. Wei Dong Hu Beijing Key Lab of mm-wave & THz Technology, BIT, China	11:30-12:50 RF & Microwave Session-II	WCR-571 Design and Implementation of a Hybrid Frequency Conversion Assembly for EW Applications	Abbas Bin Younas NECOP, Islamabad, Pakistan
				WCR-618 Design & Development of 45 Watt GaN HEMT Power Amplifier with High Speed Gate Switching for Pulsed Radar Application	Hamid Raza CESAT, Islamabad, Pakistan
14:50-15:30 Invited Talk # 2	Discussion on Near Field Test Solutions Under Various Test Scenarios	Linbin Chen SUNYIELD, China	Session Chair: Dr. Sher Azam	WCR-620 Design of S-Band Compline Coaxial Cavity Bandpass Filter	Muhammad Sufian Anwar CESAT, Islamabad, Pakistan
				WCR-625 Design and Manufacturing of Ku Band Detector	Faheem Gulzar Abasyn University Pakistan
			12:50-1400	LUNCH	
15:30-16:50 EM & Antenna Session-I	WCR-189 An Active Dual-Band Metamaterial Based EMI Shield With Upper Band Reconfigurable	Muhammad Rizwan COMSATS University Abbottabad Pakistan	14:00-15:00 Invited Talk # 4	An improved passive millimeter wave imager for indoor application	Prof. Anyong Hu Beihang University, China
	WCR-517 E-Shape Patch Antenna For 4G,LTE and S-Band Applications	Mehre Munir IQRA National University Pakistan	15:00-16:00 RSP Session-I	WCR-540 A Simple, Secure and Efficient Authentication Protocol For Real-time Earth Observation Through Satellite	Abid Murtaza Beihang University Beijing, China
	WCR-572 Dual Band Printed Inverted F Antenna (IFA) for Low Earth Orbit (LEO) Small Satellites	Muhammad Umer Khan IST, Islamabad Pakistan		WCR-334 Reconfigurable Monopulse Radar Tracking Processor	Sahil Waqar NECOP, Islamabad, Pakistan
	WCR-575 Design of 4x4 Antenna Array for Actively Electronic Scanned Array (AESA) Radars	Junaid Tahir NECOP, Islamabad, Pakistan	16:00-16:40 Communication System Session-I	WCR-84 Developing an Error Decoder for Monopulse Auto-Tracking System	Saqib Ali CESAT, Islamabad, Pakistan
		WCR-19 BER Performance of a Polar coded OFDM over different channel Models		Rahim Umar NUAA, China	
			Session Chair: Dr. Ijteba	WCR-96 An adaptive beamforming method based on fast orthogonal matching pursuit to Automatic Dependence Surveillance-Broadcast interference suppression	Siyao Zhou NUAA, China



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Day 3: January 11, 2018

09:30-10:30 Invited Talk # 5	Capacitive body-coupled communication towards reliable edge-node connectivity for low data-rate applications in the context of internet-of-things	Dr. Muhammad Irfan Kazim CESAT, Islamabad, Pakistan
10:30-11:10 Communication System Session-II Session Chair: Dr. Fayyaz	WCR-133 Space-Time Labeling Diversity for WLAN Based on 8-PSK Modulation	Shoaib Mughal NUAA, China
	WCR-259 Impact of Remote Radio Head Positions on the Performance of Distributed Massive MIMO System with User Mobility	Habibullah Soomro IST, Islamabad Pakistan
11:10-11:30	TEA	
11:30-12:50 Communication System Session-III Session Chair: Dr. Fayyaz	WCR-294 Signal Detection of Physical-Layer Network Coding with Phase Offset	Xiaoyu Gu NUAA, China
	WCR-424 Delay effective and correlative velocity (DECV) routing protocol for threshold based cluster head selection in Heterogeneous WSN	Kang Weixin Harbin Engineering University, China
	WCR-362 Performance Analysis of Support Vector Machine-Based Classifier for Spectrum Sensing in Cognitive Radio Networks	Sana Ullah Jan University of Ulsan, South Korea
	WCR-295 CUSUM-Based Quickest Spectrum Sensing in Paired Carrier Multiple Access	Wang Yang NUAA, China
12:50-1400	LUNCH	
14:00-14:30 Invited Talk # 6	Efficient Implementation of Universal Filtered Multicarrier Waveforms	Dr. Atif Raza Jafri Bahria University Islamabad, Pakistan
14:30-15:00 Invited Talk # 7	Advanced Technologies in Embedded RF & Wireless Communication Systems	Ahmed Khalid Country Team Lead National Instruments
15:00-16:40 Communication System Session-IV Session Chair: Dr. Atif Raza	WCR-623 Evaluation of Trust Management Approaches in Wireless Sensor Networks	Farwa Kazmi CEME, NUST, Pakistan
	WCR-302 A Cost and Resource Efficient Telemetry Host Station Design using FPGA	Muhammad Abdullah Rafique CESAT, Islamabad, Pakistan
	WCR-496 Maximum Doppler Diversity Transmissions for High Mobility Systems with Imperfect Channel State Information using QAM modulation scheme	Maryam Bacha NUST, Pakistan
	WCR-567 Efficient Sidelobe Reduction for OFDM Based Cognitive Radio Systems	Atif Elahi IIU Islamabad, Pakistan
	WCR-264 Performance Analysis of Simple TCP and F-TCP for Smooth Connectivity in Wireless Communication	Shahab Ul Islam IQRA National University Peshawar, Pakistan

*Poster Session	WCR-619 Two-Pole Narrow-Band Filter Utilizing $\lambda/2$ Resonators and Source-Load Coupling	Muhammad Sufian Anwar CESAT, Islamabad, Pakistan
	WCR-574 Suspended Stripline Diplexer Design Using Low Pass and High Pass Filters	Usman Waheed NECOP, Islamabad, Pakistan
	WCR-627 Evaluation of Clustering Algorithms for Wireless Sensor and Actor Networks	Ayesha Saeed CEME, NUST, Pakistan
	WCR-573 Blind Scramble Code Detection & Period Estimation in Non-Cooperative Interception of a Scrambled DSSS Signal	Hassan Javed CESAT, Islamabad, Pakistan

***Poster Session will be held on Wednesday 10th January 2018 (whole day). The mandatory presence of poster presenter is required during the tea break (11:10-11:30)**

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.

For any query contact:

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