Time	Activity			Venue
Day 1 (20th March 2019) – Opening Session				
0930 - 0935	Tilawat & Translation			**NS Auditorium**
0935 - 0955	Comdt Address			**NS Auditorium**
1000 - 1010	ComTech 2019 Opening Address			**NS Auditorium**
1010 - 1050	Keynote Speech by Dr Kung-Kiu Lau TOPIC: Components, Services, and IoT			**NS Auditorium**
1050 – 1105	Chief Guest Speech			**NS Auditorium**
1105 – 1110	Souvenir to Keynote Speaker and Chief Guest			**NS Auditorium**
1110- 1145	Refreshments			**Cafeteria**
Session 1				
1145 - 1210	Address by IEEE Rep			**NS Auditorium**
1210 – 1320	Invited Talk 1: Dr Syed Ali Hassan TOPIC: 5G: A New Paradigm for Research-Challenges and Opportunities			**NS Auditorium**
1320 - 1435	**Telecom [Paper 1-5]** **Session Chair:** Dr Wakeel **Venue :** Iftikhar 1	**Software [Paper 1-5]** **Session Chair:** Dr Syed Ali Hassan/Dr Hammad **Venue :**Iftikhar 2	**Information Security [Paper 1-3]** **Session Chair**: Dr Hafiz Malik/ Dr Faisal **Venue :**ECR	**ECR and Iftikhar Block**
1435 - 1515	Lunch / Prayer Break			**Cafeteria**

The accepted papers in each of the conference tracks are provided in Annex A.

Annex A

S.No	Paper ID	Presentation/Paper Title	Authors	Time Slot	Mode of Presentation
Information Security Track:					
1	62	An Improved three-factor anonymous Authentication Protocol for WSNs based IoT System Using Symmetric Cryptography	Khwaja Jawad, Khwaja Mansoor, Ahmed Fraz Baig, Anwar Ghani and Azmat Naseem	20th March 2019 1320-1335	Oral
2	125	SDN Security Artifacts (DoS and Authentication)of 5G	Sohaib Niazi and Awais Javed	20th March 2019 1350-1405	Oral
3	117	Location based Authentication using Smartphones	Farhan Nisar	20th March 2019 1420-1435	Oral
Telecom Track:					
1	8	RF MEMS Capacitive Switch with High Isolation for 5G Communication	Saad Mansoor and A. A. Khan	20th March 2019 1320-1335	Oral
2	19	Design and Analysis of a Wide Band Cross-Polarization Converting Metasurface	Abd Ullah, Bilawal Khan, Sadiq Ullah and Babar Kamal	20th March 2019 1335-1350	Oral
3	72	A Simple and Low Cost Land-Mobile-Radio Design for Interoperability Among Radio Networks in a Public Safety Scenario	Tauqeer Ahmed and Noor Muhammad Khan	20th March 2019 1350-1405	Oral
4	53	Software Defined Radio Waveform Development Feasibility Using MATLAB	Khizra Ilyas, Atif Javed, Salik Satti and Wajid Gulistan	20th March 2019 1405-1420	Oral
5	64	Designing Band Pass Filter for HF Radio's Front End	Lojain Syed, Syed Hamza Hasan, Hamza Rashid and Wajid Gulistan	20th March 2019 1420 – 1435	Oral
6	48	Performance Analysis of a Square Fractal ring Antenna for Broadband Application	Kiran Nadeem, Iram Nadeem and Zeeshan Ahmed	21st March 2019 1110 – 1125	Oral
7	40	UWB Microstrip Antenna with U-Shape Slot for WLAN Band-Suppression Application	Zain Ul Islam, Iram Nadeem, Zeeshan Ahmed, Faiz Khalid, Ferdows Zarrabi and Muhammad Haneef	21st March 2019 1125 – 1140	Oral
8	95	Dual-Radio Dual-Band Configuration for Flexible Communication in Flying Ad-hoc Network (FANET)	Muhammad Asghar Khan	21st March 2019 1140 – 1155	Oral

9	28	Robust Sound Classification for Surveillance using Time Frequency Audio Features	Saleet Ul Hassan, Muhammad Zeeshan Khan, Muhammad Usman Ghanni Khan and Summra Saleem	21st March 2019 1155-1210	Oral
Software Track:					
1	81	Traffic Intensity Based Efficient Packet Scheduling	Arif Husen and Syed Shah Muhammad	20th March 2019 1320-1335	Oral
2	42	A Hybrid Approach For HandsFree Cursor Control	Zain Ul Islam	20th March 2019 1335-1350	Oral
3	45	Automata Based Railway Gate Control System at Level Crossing	Aniqa Rehman, Saba Latif and Nazir Zafar	20th March 2019 1350-1405	Oral
4	54	Congestion Avoidance Adaptive Routing Protocol For MANETs Using Network Coding	Tayyaba Abdul Haq, Khwaja Mansoor and Saba Mahmood	20th March 2019 1405-1420	Oral
5	16	Machine Learning Techniques for SIM Box Fraud Detection	Mhair Kashif	20th March 2019 1420 – 1435	Oral
6	106	Quality based Software Architectural Decision Making	Tehreem Aslam, Tauseef Rana, Amna Naheed, Marwa Batool and Asma Andleeb	21st March 2019 1110 – 1125	Oral
7	66	Senitment Analysis For Automated Email Response System	Muhammad Babar Abbas and Mukarrram Khan	21st March 2019 1125 – 1140	Oral
8	76	Microservices Architecture: Challenges and Proposed Conceptual Design	Raja Mubashir Munaf, Jawwad Ahmed, Faraz Khakwani and Tauseef Rana	21st March 2019 1140 – 1155	Oral
9	68	A Hybrid Scheme for Feature Selection of High Dimensional Educational Data	Usman Ali, Khawaja Sarmad Arif and Usman Qamar	21st March 2019 1155 – 1210	Oral
10	93	Telegenic Data Analysis for Compact Description and Genre Classification based on Re-ranking	Summra Saleem, Maida Shahid, Aniqa Dilawari and Usman Ghani	21st March 2019 1210 – 1225	Oral
11	37	Segmentation of Crowd into multiple constituents using modified Mask R-CNN based on mutual positioning of human	Gulraiz Khan, Zeeshan Tariq, Junaid Hussain, Muhammad Ali Farooq and Muhammad Usman Ghani Khan	21st March 2019 1225 – 1240	Oral