

# Sixth International Conference on Future Generation Communication Technologies (FGCT 2017)

**Irish Computer Society, Dublin, Ireland  
August 21-23, 2017**

Preliminary Programme

**August 21, 2017**

08:00-09:30	<b>Registration</b>
09:30-09:50	<b>Keynote: Pavel Loskot</b> , Swansea University, UK <b>Title: Rethinking blockchains for flow management in transport and logistics</b>
10:00-10:20	<b>Coffee Break</b>
10:20-10:40	<i>Ayako Arao, Hiroaki Higaki</i> Estimation of Relative Offset and Drift between Local Clocks in Wireless Sensor Networks
10:40-11:00	<i>Raed Saadoon, Raid Sakat, Maysam Abbod</i> Small Cell Deployment for Data Only Transmission Assisted by Mobile Edge Computing Functionality
11:00-11:20	<i>Changyoung An, Byeongjae Kim, Heung-Gyoon Ryu</i> NW-OFDM and WR-OFDM System for New Radio Waveform of the Beyond 5G System
11:20-11:40	<i>Michal Kvet, Karol Matiasko</i> Managing undefined values in temporal environment
11:40-12:00	<i>Daniel Chien</i> Enhance Internet Security
12:00-12:20	<i>Hyunwoo Kim, Youngsik Kim, Junho Jo</i> Network coverage expansion in radio access network sharing
12:20-14:00	<i>Sriram Polavakalipalayam Ramakrishnan, Bhaskaran Rahul</i> Reconfigurable X-Band Bandpass Filter Using SIR with Variable Capacitor
12:40-14:00	<b>LUNCH</b>

14:00-14:20	<i>David Aguirre Salcedo, Pablo Raúl Yanyachi</i> Design of a Parabolic Patch Antenna in band L, with Double Layer and Air Substrate, for Weather Satellite Reception
14:20-14:40	<i>Josemaria Malgosa, Adrian Flores, Juan Pedro Muñoz, Pilar Manzanares</i> Solving IP exhaustion with Maskless Inter-Domain Routing (MIDR) scheme
14:40-15:00	<i>Heba Gharib, Hesham Elbadawy, Hussein ELAttar</i> Enhancement of Multicast Scheduling Throughput over Wireless Cellular Networks
15:20-15:40	<i>Heba Ibrahim, Hesham Elbadawy, Hussien ELAttar</i> Performance enhancement over emerging cellular networks through adaptive multicasting scheme
15:40-16:00	<i>Taehoon Kim, Jaechun No, Sungsoon Park</i> virtCache: Virtual Machine Cache Using User I/O Access Pattern Analysis
16:00-16:20	<b>COFFEE BREAK</b>
16:20-16:40	<i>Hae Sun Jung, Chul Sang Yoon, Jong Won Park, Chang Ho Yun, Yong Woo Lee</i> Cloud Computing Platform Based Real-Time Processing for Stream Reasoning
16:40-17:00	<i>Romeo Ayemele Djeujo, Christoph Ruland</i> QoSs Definition and Session Description Protocol for Secure Communication using Compressive Sensing
17:00-17:20	<i>Elmira Yu Kalimulina</i> On modelling of Networks with Dynamic Routing as Unreliable Open Queueing Systems

## August 22, 2017

09:00-10:00	<b>Registration</b>
09:30-09:45	<b>Opening Ceremony</b>
09:45-10:00	<b>Coffee Break</b>
11:00-11:20	<i>Kun-Ming Yu, Ming-Gong Lee and Shih-Shih Chi</i> Dynamic Path Planning Based on Adaptable Ant Colony Optimization algorithm
11:20-11:40	<i>Wen Ouyang, Chang Wu Yu, Pei-Ju Huang and Huai-Tse Chang</i> Non-commutative path-planning for tours with diversified attractions
11:40-12:00	<i>Hong Zhou and Kun-Ming Yu</i> Imbalanced Data Classification for Defective Product Prediction Based on Industrial Wireless Sensor Network
12:00-12:20	<i>Wei-Hsiang Shih and Kun-Ming Yu</i> An Overhead Contact Line Monitoring System Based on Wireless Sensor Network Technology
12:20-12:40	<i>Huan-Po Hsu, Kun-Ming Yu, Cheng-Chang Lien, Shao-Tsai Cheng, Nien-En Chung, Ming-Yuan Lei and Nancy Tsai</i> An Effectiveness Study of an Intelligent Emergency Evacuation System Using Field Verification Techniques
12:40-14:00	<b>LUNCH</b>

14:00-14:20	<i>Mehre Munir</i> H-Shape Miniaturized Patch Antenna Using Stack Configuration for Wireless Communication and Applications
14:20-14:40	<i>Yassine JANDI, Fatima GHarnati, Ahmed Oulad Said</i> Seven bands Loop antenna optimized by using particle swarm optimization algorithm
14:40-15:00	<i>Hussein El-Attar, Mohamed Ibrahim El-Emary</i> Advanced QoS Routing Algorithm in Wireless Ad-Hoc Networks
15:20-15:40	<i>Ahmed Qaddus</i> 5G HETEROGENEOUS CELLULAR NETWORKS A VIABLE MODE FOR IMPLEMENTING FUTURE SMART GRID NETWORKS
15:40-16:00	<i>WANG Jin</i>  Computer Network Routing Configuration Based on Intelligent

	Algorithm
16:00-16:20	<b>COFEE BREAK</b>
16:20-16:40	<i>SUN Ming</i> Computer Network Security Evaluation Based on Intelligent Algorithm
16:40-17:00	<i>ZENG Wei</i> Research on the Teaching System of Table Tennis Based on Artificial Intelligence

**18:30-20:00 Conference Banquet**