

2016 Tenth International Conference on Next Generation Mobile Applications, Services and Technologies

NGMAST 2016 Programme

Day 1: Wednesday August 24

8:30 onwards: Registration
9:15 – 9:30 Opening Session
9:30 – 10:30 Keynote Talk by Omer F. Rana

10:30 – 11:00 Coffee
11:00 – 12:15 Session 1: Wireless Technologies 1

The Impact of Higher Order Sectorisation on the Performance of Millimetre Wave 5G Network
Naser Falahi and Omar Younis Alani (University of Salford, United Kingdom)

Performance Analysis of MAC Scheduler in LTE (EUTRAN) for "ASAR"
Ankit Saxena (IET DAVV INDORE, India); Ravi Sindal (Institute of Engineering and Technology, D.A.V.V. Indore, India)

Uplink Resource Allocation of multiple DASH streams for QoE-based Real and Non-Real Time Viewing over LTE
Farhan Pervez (Saudi Telecom Company, Saudi Arabia)

12:40 – 14:00 Lunch
14:00 – 15:15 Session 2: Wireless Technologies 2

TDMA-Based MAC (CVTMAC) in Green Vehicular Networks
George Audu, Samya Bhattacharya and Jaafar Elmirghani (University of Leeds, United Kingdom)

Search Space Allocation Schemes Review for Control Channels in LTE and LTE-Advanced
Fady Alfonse and Yasmine Fahmy (Cairo University, Egypt)

Universal Filtered Multi-Carrier Performance Analysis with Multipath Fading Channels
Sherief Helwa (Ain Shams University, Faculty of Engineering & Axxcelera Egypt, Egypt); Michael Ibrahim (Ain Shams University, Faculty of Engineering, Egypt); Salwa Elramly (Ain Shams University, Egypt)

15:15 – 15:45 Coffee
15:45 – 17:00 Session 3: Internet of Things

Data Distribution in IoT Networks with Estimation of Packet Error Rate
Seung Yong Jeon, Ji Hyoung Ahn and Tae-Jin Lee (Sungkyunkwan University, Korea)

Energy Efficient Fog Servers for Internet of Things Information Piece Delivery (IoTIPD) in a Smart City Vehicular Environment

Samaneh Igder (School of Electronic and Electrical Engineering, United Kingdom); Samya Bhattacharya and Jaafar Elmirghani (University of Leeds, United Kingdom)

An Efficient Failure Detection Algorithm for CCTVs and Roadside Equipment (RSE)s
Yong-Kul Ki, Jin-Wook Choi, Kwang-Soo Bae, Gye-Hyeong Ahn and Kyu-Cheol Cho (Road Traffic Authority, Korea)

Day 2: Thursday August 25

9:15 – 10:30 Session 4: Applications 1

Evaluation of strategies for pedestrian guidance using commodity smartphones
Johan Mollevik (Umeå University, Sweden)

Immersive Virtual Reality as a Supplement in the Rehabilitation Program of Post-Stroke Patients
Rowel O Atienza and Maria Anna Villanueva San Luis (University of the Philippines, Philippines)

A Lightweight Pseudo CPU Hotplug Mechanism for Mobile Devices
Kyoung Don Jang and Dong Hyun Kang (Sungkyunkwan University, Korea); Do Hyoung Kim and Hyun Jin Park (Samsung Electronics, Korea); Young Ik Eom (Sungkyunkwan University, Korea)

10:30 – 11:00 Coffee

11:00 – 12:40 : Session 5: Privacy and Security

Towards Location Privacy Awareness on Geo-Social Networks
Fatma Alrayes and Alia Abdelmoty (Cardiff University, United Kingdom)

Security Evaluation of Apple Pay at Point-of-Sale Terminals
Marian Margraf (Freie Universität Berlin, Germany); Steffen Lange (University of Applied Sciences Darmstadt, Germany); Florian Otterbein (Freie Universität Berlin, Germany)

Towards the Usage of Invariant-based App Behavioral Fingerprinting for the Detection of Obfuscated Versions of Known Malware
Zigrid Shehu, Claudio Ciccotelli, Daniele Ucci and Leonardo Aniello (University of Rome "La Sapienza", Italy); Roberto Baldoni (La Sapienza Roma, Italy)

Integrity Assurance in the Cloud by Combined PBA and Provenance
Abir Awad (University of South Wales, UK), Sara Kadry, Brian Lee, Gururaj Maddodi, and Eoin O'Meara (Ireland)

12:40 – 14:00 Lunch

14:00 – 15:15 Session 6: Applications 2

Standalone Green Cache Points for Vehicular Content Distribution Networks
Samaneh Igder (School of Electronic and Electrical Engineering, United Kingdom); Samya Bhattacharya, Bilal R Qazi and Jaafar Elmirghani (University of Leeds, United Kingdom)

Human Workflow Modelling and Resource Management in Homogenous Computer Networks
Janice Johnson and A Adekunle (University of Greenwich, United Kingdom)

Traffic Pattern Based Adaptive Spectrum Handoff Strategy for Cognitive Radio Networks
Irfan Hanif (Iqra University, Islamabad Campus, Pakistan); Muhammad Zeeshan (National University of Sciences and Technology, Pakistan); Akhlaque Ahmad (Iqra University, Pakistan)

15:15 – 15:45 Coffee

15:45 – 17:00 Session 7: Application 3

Emotion and Playful Elements in Mobile Learning

Nurwahida Faradila Taharim (Asia Pacific University of Technology & Innovation & Universiti Teknologi MARA, Malaysia); Anitawati Mohd Lokman and Wan Abdul Rahim Wan Mohd Isa (Universiti Teknologi MARA, Malaysia)

iTourism Travel Buddy Mobile Application

Afiza Ismail, Azhar Abdul Aziz, Anitawati Mohd Lokman and Mudiana Mokhsin (Universiti Teknologi MARA, Malaysia)

A Smart Phone Integrated Smart Classroom – 1

Mahesh G (Amrita University, India); Jayahari K r (Research Associate, India); Kamal Bijlani (Amrita University, India)

18:30 : Tour in Cardiff Castle

17:00: Gala Dinner and Closing Session: Welsh Banquet in Cardiff Castle