



<http://conferences.computer.org/wimob2015>

# Conference Program

# WiMob 2015



**KHALIFA**  
UNIVERSITY



مجلس أبوظبي للتعليم  
Abu Dhabi Education Council  
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## Welcome

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It is our great pleasure to welcome you to the 11th IEEE International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob'2015) in Abu Dhabi, United Arab Emirates. Since the 1st WiMob in 2005, the IEEE International Conference on Wireless and Mobile Computing, Networking and Communications has been the key forum for the exchange of knowledge and experience among researchers, developers and practitioners of wireless and mobile technology. For ten years, the International IEEE WiMob conference has provided unique opportunities for researchers and developers to interact, share new results, show live demonstrations, and discuss emerging directions in Wireless Communications, Mobile Networking and Ubiquitous Computing.

Putting together WiMob 2015 has been a team effort. First of all, we would like to thank the authors of all submitted papers. Furthermore, we would like to express our gratitude to the program committee and to all external reviewers, who worked very hard on reviewing papers and providing suggestions for their improvements.

The technical program of the main conference consists of 67 full-papers constituting 28% of acceptance ratio. Moreover, we are proud and thankful of having 2 renowned keynote speakers at the 2015 edition of WiMob:

- Falko Dressler, University of Paderborn, Germany, and
- Paul Crane, BT, UK

We would also like to thank the organizers of the 6 workshops under WiMob 2015:

- EN4PPDR 2015: Maurizio Casoni (University of Modena and Reggio Emilia, Italy), Carlo Augusto Grazia (University of Modena and Reggio Emilia, Italy) - BCWNets 2015: Qammer Hussain Abbasi (Texas A & M University, Qatar), Najah A. Abu Ali (UAEU, UAE), Akram Alomainy (Queen Mary University of London, United Kingdom), Khalid A. Qaraqe (Texas A&M University at Qatar, USA), Muhammad Zeeshan Shakir (Texas A&M University at Qatar (TAMUQ), Qatar) - CWN 2015: Antonio-Javier Garcia-Sanchez (Technical University of Cartagena, Spain), Felipe Garcia-Sanchez (Universidad Politecnica de Cartagena (UPCT), Spain), Cristina López-Bravo (Universidade de Vigo, Spain), Beatriz Lorenzo (University of Vigo, Spain) - eHPWAS 2015: Sébastien Laborie (Université de Pau et des Pays de l'Adour, France), Tayeb Lemlouma (IRISA Lab and Rennes 1 University, France), Abderrezak Rachedi (University Paris-Est Marne-la-Vallée, France), António Santos (Fraunhofer Portugal AICOS, Portugal) - GROWN 2015: Ibrahim Abualhaol (Carleton University, Canada), Amjad Gawanmeh (Khalifa University, UAE), Shihab Jimaa (Khalifa University, UAE) - STWiMob 2015: Abderrahim Benslimane (University of Avignon, France).

First, we would like to thank Shihab Jimaa for his efforts in hosting WiMob 2015 in Abu Dhabi, UAE and for his strong help for the entire local organization. Then, we would like to thank as well as the 2 TPC Chairs: Mischa Dohler (King's College London, United Kingdom) and George K. Karagiannidis (Aristotle University of Thessaloniki, Greece), the Track chairs CongDuc Pham (University of Pau, France) Ubiquitous, Service and Application Track, Radu Stoleru (Texas A&M University, USA) Wireless Networking, Mobility and Nomadicity Track, Kan Zheng (Beijing University of Posts & Telecommunications, P.R. China) Wireless Communication Track. Without the help of the publicity co-chairs WiMob will not have had such a success; so, many thanks to Wessam Ajib (Université du Québec à Montréal, Canada), Christian Makaya (IBM T. J. Watson Research Center, USA), Hadi Otrouk (Khalifa University of Science, Technology & Research (KUSTAR), UAE) and Fen Zhou (University of Avignon, France).

Also, we would like to thank Toktam Mahmoodi (King's College London, United Kingdom) and Peter Mueller (IBM Zurich Research Laboratory, Switzerland) handling all aspects of the workshops organization.

Finally, we would like to thank our sponsors, IEEE, IEEE Computer Society, Abu Dhabi Education Council (ADEC) and Khalifa University for their support of this conference.

We hope that you will find this program interesting and thought-provoking and that it will provide you with a valuable opportunity to share ideas with other researchers and practitioners from institutions around the world.

**Abderrahim Benslimane**

WiMob 2015 General Chair  
University of Avignon, France;  
French University in Egypt

**Bayan S Sharif**

WiMob 2015 General Co-Chair  
Khalifa University, UAE

**Samuel Pierre**

WiMob 2015 General Co-Chair  
Ecole Polytechnique de  
Montreal, Canada

## Program Overview

Monday, 19<sup>th</sup> October 2015

	Room: Jasmine	Room: Camellia	Room: Lily	Room: Orchid
08:30-13:00	Registration in Hall			
09:00-10:30	E1	B1	ST1	ST2
10:30-11:00	Coffee Break			
11:00-12:30	E2	B2	ST3	ST4
12:30-14:00	Lunch			
14:00-15:30	H1	C1	ST5	ST6
15:30-16:00	Coffee Break			
16:00-17:30	H2	G1	ST7	
19:00	Welcome Cocktail			

### Legend

E: EN4PPDER – B: BCWNet – C: CWN – H: eHPWAS – G: GROWN – S: STWiMob

R: WiMob USA track – T: WiMob WC track – U: WiMob WNMN track

Tuesday, 20<sup>th</sup> October 2015

	Room: Al Bustan 1	Room: Al Bustan 2	Room: Al Bustan 3
08:30-13:00	Registration in Hall		
08:30-09:00	Opening Ceremony [Al Bustan]		
09:30-10:30	Keynote 1 – Prof. Falko Dressler [Al Bustan]		
10:30-11:00	Coffee Break		
11:00-12:30	T7	T1	U1
12:45-14:00	Lunch		
14:00-15:30	R2	T2	U2
15:30-16:00	Coffee Break		
16:00-17:30	R1 [16:00 – 17:45]	T3	U3
20:30	Conference Banquet		

### Legend

E: EN4PPDER – B: BCWNet – C: CWN – H: eHPWAS – G: GROWN – S: STWiMob

R: WiMob USA track – T: WiMob WC track – U: WiMob WNMN track

Wednesday, 21<sup>st</sup> October 2015

	Room: Al Bustan 1	Room: Al Bustan 2	Room: Al Bustan 3
08:30-13:00	Registration in Hall		
09:30-10:30	Keynote 2 – Paul Crane [Al Bustan]		
10:30-11:00	Coffee Break		
11:00-12:30	R3	T4	U4
12:45-14:00	Lunch		
14:00-15:30	R4	T5	U5
15:30-16:00	Coffee Break		
16:00-17:30		T6	U6

**Legend**

E: EN4PPDER – B: BCWNet – C: CWN – H: eHPWAS – G: GROWN – S: STWiMob

R: WiMob USA track – T: WiMob WC track – U: WiMob WNMN track

## Conference Program

Monday, 19th October 2015

	Room: Camelia
09:00-10:30	<p><b>B1: BCWNEts: Emerging Wireless Body-to-Body Networks</b> Chairs: Qammer Hussain Abbasi (Texas A &amp; M University, Qatar), Akram Alomainy (Queen Mary University of London, United Kingdom)</p>
	<p><b>Data Dissemination Strategies for Emerging Wireless Body-to-Body Networks based Internet of Humans</b> Dhafer Ben Arbia (Qatar Mobility Innovations Center &amp; SERCOM Lab, Polytechnic School of Tunisia, University of Carthage- Tunisia, Qatar); Muhammad Mahtab Alam (Qatar Mobility Innovation Center, Qatar); Rabah Attia (SERCOM Labs EPT Université de Carthage La Marsa Tunis, Tunisia); Elyes Ben Hamida (Qatar Mobility Innovations Center (QMIC), Qatar)</p> <p><b>Internet of Nano-Things Healthcare Applications: Requirements, Opportunities, and Challenges</b> Najah A. Abu Ali (UAEU, UAE); Mervat Abu-Elkheir (Mansoura University, Egypt)</p> <p><b>Terahertz Signal Propagation Analysis Inside The Human Skin</b> Aya Abdelaziz (Qatar University, Qatar); Qammer Hussain Abbasi (Texas A &amp; M University, Qatar); Ke Yang (Queen Mary University Of London, United Kingdom); Khalid A. Qaraqe (Texas A&amp;M University at Qatar, USA); Yang Hao (Queen Mary, University of London, United Kingdom); Akram Alomainy (Queen Mary University of London, United Kingdom)</p>
	Room: Lily
09:00-10:30	<p><b>ST1: Seventh International Workshop on Selected Topics in Mobile and Wireless Computing</b> Chair: Shahid Raza (SICS Swedish ICT, Sweden)</p>
	<p><b>Location-Aware Data Replication in Cloud Computing Systems</b> Ismaeel Al Ridhawi (American University of the Middle East &amp; University of Ottawa, Kuwait); Nour Mostafa and Wassim Masri (American University of the Middle East, Kuwait)</p> <p><b>Indoor Mapping for Location-based Policy Tooling using Bluetooth Low Energy Beacons</b> Senan Sharhan (Technische Universität Berlin, Germany); Sebastian Zickau (Technische Universität Berlin &amp; Service-centric Networking, Germany)</p> <p><b>Exploiting RFID for Real Time Accessing and Translation of Public Advertisements</b> Sonia Hashish (Umm Al-Qura University, Saudi Arabia); Shaleeza Sohail (Umm Al Qura University, Saudi Arabia)</p>
	Room: Orchid
09:00-10:30	<p><b>ST2: Seventh International Workshop on Selected Topics in Mobile and Wireless Computing</b> Chair: Abderrahmane Lakas (UAE University, UAE)</p>
	<p><b>A Semi-Distributed LTE-WiFi System Design for Future LTE-Unlicensed Deployments in Small-cell Environments</b> Rasha Al-Khansa and Hassan A. Artail (American University of Beirut, Lebanon)</p> <p><b>A QoE-Driven Vertical Handover Algorithm based on Media Independent Handover Framework</b> Li Liu (Plymouth University, United Kingdom); Lingfen Sun and Emmanuel Ifeakor (University of Plymouth, United Kingdom)</p> <p><b>Mobile Relay Node in Public Transportation for Serving Outside LTE Cell Edge Users</b> Malak Charaf (AUB, Lebanon); Hassan A. Artail and Youssef Nasser (American University of Beirut, Lebanon)</p>

	Room: Jasmine
09:00-10:30	<p><b>E1: PPDR economics and management</b> Chair: Carlo Augusto Grazia (University of Modena and Reggio Emilia, Italy)</p> <p><b>Economic Feasibility of Mobile Broadband Network for Public Safety and Security</b> Matti Peltola and Heikki Hämmäinen (Aalto University, Finland)</p> <p><b>Performance Evaluation and Economic Modelling of PPDR Communication Systems</b> Carlo Augusto Grazia, Martin Klapez, Natale Patriciello and Maurizio Casoni (University of Modena and Reggio Emilia, Italy); Henryk Gierszal (Adam Mickiewicz University, Poland); Piotr Tyczka and Karina Pawlina (ITTI Ltd., Poland); Angelos Amditis (Institute of Communication and Computer Systems, Greece); Evangelos Sdongos (Institute of Communication and Computer Systems &amp; National Technical University of Athens, Greece)</p> <p><b>Operator Placement for Efficient Distributed Complex Event Processing in MANETs</b> Fabrice Starks and Thomas Plagemann (University of Oslo, Norway)</p> <p><b>Lifetime enhancement of Disaster Recovery Systems based on IEEE 802.11s Wireless Mesh Networks</b> Christopher Hepner (Hochschule Ulm - University of Applied Sciences, Germany); Roland Münzner (Hochschule Ulm, Germany)</p>
10:30-11:00	Coffee Break
	Room: Camelia
11:00-12:30	<p><b>B2: BCWNETs: Wireless communications body networks</b> Chairs: Qammer Hussain Abbasi (Texas A &amp; M University, Qatar), Akram Alomainy (Queen Mary University of London, United Kingdom)</p> <p><b>Millimeter-Wave Frequency Reconfigurable T-shaped Antenna for 5G Networks</b> Syeda Fizzah Jilani (Queen Mary University of London, United Kingdom); Syed Muzahir Abbas and Karu Esselle (Macquarie University, Australia); Akram Alomainy (Queen Mary University of London, United Kingdom)</p> <p><b>A Circular Patch Frequency Reconfigurable Antenna for Wearable Applications</b> Waqas Farooq and Masood Ur Rehman (University of Bedfordshire, United Kingdom); Qammer Hussain Abbasi (Texas A &amp; M University, Qatar); Khalid A. Qaraqe (Texas A&amp;M University at Qatar, USA)</p> <p><b>Optimal On-body Relay Placement for Energy Efficient In Vivo Communications</b> Muhammad Ismail (Texas A&amp;M University at Qatar, Qatar); Marwa Qaraqe (Texas A &amp; M University, USA); Qammer Hussain Abbasi (Texas A &amp; M University, Qatar); Erchin Serpedin (Texas A&amp;M University, USA)</p> <p><b>Study of a Novel Multi-band Antenna for Body- Centric Wireless Networks</b> Waqas Farooq and Masood Ur Rehman (University of Bedfordshire, United Kingdom); Xiaodong Yang (Xidian University, P.R. China); Qammer Hussain Abbasi (Texas A &amp; M University, Qatar)</p>
	Room: Jasmine
11:00-12:30	<p><b>E2: Algorithms and models</b> Chair: Maurizio Casoni (University of Modena and Reggio Emilia, Italy)</p> <p><b>Behavior of Wireless Body-to-Body Networks Routing Strategies for Public Protection and Disaster Relief</b> Dhafer Ben Arbia (Qatar Mobility Innovations Center &amp; SERCOM Lab, Polytechnic School of Tunisia, University of Carthage- Tunisia, Qatar); Muhammad Mahtab Alam (Qatar Mobility Innovation Center, Qatar); Rabah Attia (SERCOM Labs EPT Université de Carthage La Marsa Tunis, Tunisia); Elyes Ben Hamida (Qatar Mobility Innovations Center (QMIC), Qatar)</p> <p><b>Performance Evaluation of Wireless Ad-hoc Network for Post-Disaster Recovery using Linux Live USB Nodes</b></p>



	<p>Vaibhav Garg and Kotaro Kataoka (Indian Institute of Technology Hyderabad, India); Siva Subramanya Rohith Talluri (Manipal Institute of Technology, India)</p> <p><b>PINK: Proactive INjection into acK, a queue manager to impose fair resource allocation among TCP flows</b> Carlo Augusto Grazia, Martin Klapez, Natale Patriciello and Maurizio Casoni (University of Modena and Reggio Emilia, Italy)</p> <p><b>On modeling epidemics in networks using linear time-invariant dynamics</b> Goran Muric (Dresden University of Technology &amp; Leibniz Institute of Ecological and Regional Development, Germany); Christian Scheunert and Eduard Jorswieck (TU Dresden, Germany)</p>
	Room: Lily
11:00-12:30	<p><b>ST3: Seventh International Workshop on Selected Topics in Mobile and Wireless Computing</b> Chair: Hassan Habibi Gharakheili (University of New South Wales, Australia)</p>
	<p><b>A Framework for Cooperative Intranet of Things Wireless Sensor Network Applications</b> Yasser Gadallah (The American University in Cairo, Egypt); Mostafa elTager and Ehab Elalamy (Cairo University, Egypt)</p> <p><b>Bluetooth Smart: An Enabling Technology for the Internet of Things</b> Shahid Raza (SICS Swedish ICT, Sweden); Prasant Misra (Indian Institute of Science, Bangalore, India); Zhitao He (SICS, Sweden); Thiemo Voigt (Swedish Institute of Computer Science &amp; Uppsala University, Sweden)</p> <p><b>Network-Level Security and Privacy Control for Smart-Home IoT Devices</b> Vijay Sivaraman and Hassan Habibi Gharakheili (University of New South Wales, Australia); Arun Vishwanath (IBM Research, Australia); Roksana Boreli (National ICT Australia &amp; University of NSW, Australia); Olivier Mehani (NICTA, Australia)</p>
	Room: Orchid
11:00-12:30	<p><b>ST4: Seventh International Workshop on Selected Topics in Mobile and Wireless Computing</b> Chair: Raed Shubair (MIT, USA)</p>
	<p><b>Fast Detection of Coherent Signals Using Pre-Conditioned Root-Music Based on Toeplitz Matrix Reconstruction</b> Abdulrahman Goian (Khalifa University, UAE); Mohamed Ibrahim AlHajri (Khalifa University, UAE); Raed Shubair (MIT, USA); Luis Weruaga (Khalifa University of Science, Technology &amp; Research, UAE); Ahmed Kulaib, Rashid AlMemari and Muna Darweesh (Khalifa University, UAE)</p> <p><b>Use of Cell-site diversity to mitigate rain attenuation in 10-66 GHz Fixed WiMAX</b> Sharmini Enoch (University of Wollongong in Dubai, UAE)</p> <p><b>DISCUE: Distributed Caching Framework at the User Equipment (UE) in LTE Networks</b> Hassan A. Artail, Salim Mansour and Hasanin Harkous (American University of Beirut, Lebanon)</p> <p><b>Performance comparison of retransmission mechanisms for multi-hop relay networks</b> Alexander Sayenko (Nokia Networks, Finland); Timo Hämäläinen (University of Jyväskylä, Finland)</p>
12:30-14:00	Lunch
	Room: Camellia
14:00-15:30	<p><b>C1: Second International Workshop on Cooperative Wireless Networks</b> Chair: Beatriz Lorenzo (University of Vigo, Spain)</p>
	<p><b>Throughput Enhancement by Coalition Formation in Cognitive Radio Networks</b> M Tahir (IIUM, Malaysia); Mohamed Hadi Habaebi (International Islamic University Malaysia (IIUM), Malaysia); Md Rafiqul Islam (International Islamic University Malaysia, Malaysia)</p> <p><b>Multi-objective optimization of CoMP-based MIMO-OFDMA networks with frequency</b></p>

	<p><b>reuse</b> Javier Pastor-Pérez, Felip Riera-Palou and Guillem Femenias (University of the Balearic Islands, Spain)</p> <p><b>Entropy Based Cooperative Sensing in Cognitive Radio with Nakagami Fading</b> Usama Y. Mohamad and Dirk Dahlhaus (University of Kassel, Germany)</p> <p><b>TSA: Terminal-Supported 5G Network Optimization</b> Carlos Giraldo-Rodríguez, Jorge Fontenla-Gonzalez, Carlos Pérez-Garrido, Saber Mhiri and Felipe Gil-Castiñeira (University of Vigo, Spain); Francisco J. González-Castaño (Universidad de Vigo, Spain)</p> <p><b>Formal Reliability Analysis of Wireless Sensor Network Data Transport Protocols using HOL</b> Waqar Ahmad and Osman Hasan (National University of Sciences and Technology, Pakistan); Sofiene Tahar (Concordia University, Canada)</p>
	Room: Jasmine
14:00-15:30	<p><b>H1: Sensor-based e-Health Frameworks</b> Chairs: Tayeb Lemlouma (IRISA Lab and Rennes 1 University, France), Abderrezak Rachedi (University Paris-Est Marne-la-Vallée, France)</p>
	<p><b>H1.1 Smart Carpet using differential piezoresistive pressure sensors for elderly fall detection</b> Kabalan Chaccour and Rony Darazi (Antonine University, Lebanon)</p> <p><b>H1.2 Medication intake adherence with real time activity recognition on IoT</b> Kemal Serdaroglu (Yeditepe University &amp; Institute of Natural Sciences, Turkey); Gamze Uslu and Sebnem Baydere (Yeditepe University, Turkey)</p> <p><b>H1.3 An Integrated Caregiver-focused mHealth Framework for Elderly Care</b> Mohammed Ghazal, Yasmina Al Khalil, Fatemeh Dehbozorgi and Marah Alhalabi (Abu Dhabi University, UAE)</p> <p><b>H1.4 NFC-based Asset Management for Medical Equipment</b> Hani Ragab Hassen (Heriot-Watt University, United Kingdom); Nikhil Shetty (Heriot-Watt University, UAE)</p>
	Room: Lily
14:00-15:30	<p><b>ST5: Seventh International Workshop on Selected Topics in Mobile and Wireless Computing</b> Chair: Sonia Hashish (Umm Al-Qura University, Saudi Arabia)</p>
	<p><b>SSMBP: A Secure SMS-based Mobile Banking Protocol with Formal Verification</b> Sriramulu Bojjagani (Institute for development and research in banking technology, University of Hyderabad, India); Sastry (IDRBT, India)</p> <p><b>TROUVE: a Trusted ROUTing Protocol for Urban Vehicular Environments</b> Chaker abdelaziz Kerrache (Université Amar Thelidji de Laghouat, Algeria); Nasreddine Lagraa (Amar Thelidji University, Laghouat &amp; LIM Laboratory, Algeria); Carlos T. Calafate (Universidad Politécnica de Valencia, Spain); Abderrahmane Lakas (UAE University, UAE)</p> <p><b>Performance Impact of Security on Cooperative Awareness in Dense Urban Vehicular Networks</b> Mohamed Ben Brahim and Elyes Ben Hamida (Qatar Mobility Innovations Center (QMIC), Qatar); Fethi Filali (QMIC, Qatar); Nouredine Hamdi (INSAT, Carthage University &amp; ENIT SYSCOM Laboratory, Tunisia)</p> <p><b>Mitigating SSDF Attack using K-Medoids Clustering in Cognitive Radio Networks</b> Shikhamoni Nath (North Eastern Regional Institute of Science and Technology, India); Ningrinla Marchang (North Eastern Regional Institute of Science and Technology, Arunachal Pradesh, India); Amar Taggu (NERIST, India)</p>

14:00-15:30	<p style="text-align: center;">Room: Orchid</p> <p><b>ST6: Seventh International Workshop on Selected Topics in Mobile and Wireless Computing</b> Chair: Georges Kaddoum (ETS Engineering School, University of Québec, Canada)</p> <p><b>Performance Analysis of Physical Layer Security of Chaos-based Modulation Schemes</b> Long Kong (ETS &amp; University of Quebec, Canada); Georges Kaddoum (ETS Engineering School, University of Québec, Canada); Mostafa Taha (Assiut University, Egypt)</p> <p><b>Coordinated Multipoint in Heterogeneous Networks with Overlapping Microcell Expanded Regions</b> Jessica Khoriaty and Hassan A. Artail (American University of Beirut, Lebanon)</p> <p><b>Blind Deconvolution using Compressed Sensing in Time Dispersive MIMO OFDM Systems</b> Daniela Valente, Jacek Ilow and Michael Cada (Dalhousie University, Canada)</p> <p><b>C-RAN Simulator: A Tool for Evaluating 5G Cloud-Based Networks System-Level Performance</b> Norhan Mohsen and Khaled Hassan (German University in Cairo (GUC), Egypt)</p> <p><b>Cyclostationarity-Based Versus Eigenvalues-Based Algorithms for Spectrum Sensing in Cognitive Radio Systems: Experimental Evaluation Using GNU Radio and USRP</b> Amor Nafkha (CentraleSupélec, France); Babar Aziz (IFSTTAR, LEOST, Villeneuve D'Ascq, France); Malek Naoues (CentraleSupélec, France); Adrian Kliks (Poznan University of Technology, Poland)</p>
15:30-16:00	<p><b>Coffee Break</b></p>
16:00-17:30	<p style="text-align: center;">Room: Camellia</p> <p><b>GROWN-1: GReen Optimized Wireless Networks Workshop -1</b> Chair: Shihab Jimaa (Khalifa University, UAE)</p>
	<p><b>Energy-efficient Traffic Bypassing in LTE HetNets with Mobile Relays</b> George T. Karetos (Technology Education Institute of Thessaly, Greece); Angelos Rouskas (University of Piraeus, Greece); Fotis Foukalas (Qatar University, Qatar)</p> <p><b>A 2.4 GHz-868 MHz Dual-Band Wake-Up Radio for Wireless Sensor Network and IoT</b> Michele Magno (ETH Zurich and University of Bologna, Switzerland); Massimo Del prete and Diego Masotti (University of Bologna, Italy); Alessandra Costanzo (DEIS, University of Bologna, Italy); Luca Benini (Swiss Federal Institute of Technology (ETH), Switzerland)</p> <p><b>Energy Efficiency Metrics for Low-Power Near Ground Level Wireless Sensors</b> Jalawi Alshudukhi, Shumao Ou and Peter Ball (Oxford Brookes University, United Kingdom); Liqiang Zhao and Guogang Zhao (Xidian University, P.R. China)</p> <p><b>Compensation of EE Degradation Due to Antenna-Muting in DAS for a Green Cellular Network</b> Mehran Behjati (National University of Malaysia (UKM), Malaysia); Rosdiadee Nordin and Mahamod Ismail (Universiti Kebangsaan Malaysia, Malaysia)</p>
16:00-17:30	<p style="text-align: center;">Room: Jasmine</p> <p><b>H2: e-Health Architectures and Services</b> Chair: Tayeb Lemlouma (IRISA Lab and Rennes 1 University, France)</p> <p><b>H2.1 Privacy and Security Concerns for Health Data Collected</b> Husain Subedar (University of Ontario Institute of Technology (UOIT), Canada); Khalil El-Khatib (University of Ontario Institute of Technology, Canada)</p> <p><b>H2.2 Design and Deployment of eHealth Interventions using Behavior Change Techniques, BPMN2 and OpenEHR</b> Mate Bešteek (University of Ljubljana &amp; University of Primorska, Slovenia); Kristina Curtis (Coventry University, United Kingdom); Andrej Brodnik (University of Ljubljana &amp; Faculty of Computer and Information Science, Slovenia)</p>

	<p><b>H2.3 Cloud Semantic-based Dynamic Multimodal Platform for Building mHealth Context-aware Services</b>  Alti Adel (University of setif &amp; Algeria, Algeria); Philippe Roose (University of Pau - IUT de Bayonne &amp; LIUPPA Research Lab, France); Sébastien Laborie (Université de Pau et des Pays de l'Adour &amp; IUT de Bayonne et du Pays Basque, France)</p>
16:00-17:30	<p style="text-align: center;">Room: Lily</p> <p><b>ST7: Seventh International Workshop on Selected Topics in Mobile and Wireless Computing</b>  Chair: A. B. M. Alim Al Islam (Bangladesh University of Engineering and Technology, Bangladesh)</p> <p><b>Optimizing Diversity Gain for Non-Coherent Wireless Multimedia Sensor Networks</b>  Nnamdi Nwanekezie, Oluyomi Simpson, Yusuf Idris Abdulkadir and Yichuang Sun (University of Hertfordshire, United Kingdom)</p> <p><b>Towards Exploiting a Synergy between Cognitive and Multi-Radio Networking</b>  Tanvir Ahmed Khan (Bangladesh University of Engineering and Technology, Bangladesh); Chowdhury Hyder (Michigan State University, USA); A. B. M. Alim Al Islam (Bangladesh University of Engineering and Technology, Bangladesh)</p> <p><b>Stochastic Dynamic Programming Model for Revenue Optimization in Social Networks</b>  Patrick Hosein (The University of the West Indies, Trinidad and Tobago); Trisha Lawrence (University of the West Indies, Trinidad and Tobago)</p> <p><b>Microtext Normalization using Probably-Phonetically-Similar Word Discovery</b>  Richard Khoury (Lakehead University, Canada)</p>
19:00	<p><b>Welcome Cocktail</b></p>

Tuesday, 20th October 2015

08:30-09:00	Opening Ceremony [Al Bustan]
	Room: Al Bustan
09:30-10:30	<p><b>Keynote 1: From Connected Cars to Smart Cities - On Wireless Communication Latency and Reliability</b>  <i>Falko Dressler</i></p> <p>Chair: Abderrahim Benslimane (University of Avignon &amp; LIA/CERI, France)</p>
10:30-11:00	Coffee Break
	Room: Al Bustan 2
11:00-12:30	<p><b>T1: Network Performance Evaluation and Optimization</b>  Chair: Abdel-karim Ajami (American University of Beirut (AUB), Lebanon)</p> <p><b>An Optimal MIMO Mode Selection Method for D2D Transmission in Cellular Networks</b>  <i>Armin Morattab (Ecole de Technologie Supérieure, University of Quebec, Canada); Zbigniew Dziong (École de technologie supérieure, University of Quebec, Canada); Kazem Sohraby (South Dakota School of Mines and Technology, USA); MD. Habul Islam (Southern Alberta Institute of Technology, Canada)</i></p> <p><b>Performance Analysis of Energy Detection over Mixture Gamma based Fading Channels with Diversity Reception</b>  <i>Omar Alhussein (Simon Fraser University, Canada); Ahmed Al Hammadi (Khalifa University, UAE); Paschalis C. Sofotasios (Tampere University of Technology &amp; Aristotle University of Thessaloniki, Finland); Sami Muhaidat (Khalifa University, UAE); Jie Liang (Simon Fraser University, Canada); Mahmoud Al-Qutayri (Khalifa University, UAE); George K. Karagiannidis (Aristotle University of Thessaloniki, Greece)</i></p> <p><b>Effective Capacity in Multiple Access Channels with Arbitrary Inputs</b>  <i>Marwan Hammouda, Sami Akin and Jürgen Peissig (Leibniz Universität Hannover, Germany)</i></p> <p><b>Outage Probability Analysis of Dual-hop Full-Duplex Decode-and-Forward Relaying over Generalized Multipath Fading Conditions</b>  <i>Mulugeta K Fikadu (Tampere University of Technology, Finland); Paschalis C. Sofotasios (Tampere University of Technology &amp; Aristotle University of Thessaloniki, Finland); Mikko Valkama (Tampere University of Technology, Finland); Sami Muhaidat (Khalifa University, UAE); Qimei Cui (Beijing University of Posts and Telecommunications, P.R. China); George K. Karagiannidis (Aristotle University of Thessaloniki, Greece)</i></p>
	Room: Al Bustan 1
11:00-12:30	<p><b>T7: mmWave and Massive MIMO for 5G Communications</b>  Chair: Khaled Mohamed Shawky Hassan (German University in Cairo (GUC), Egypt)</p> <p><b>A comparative Analysis of mmWave vs LTE technology for 5G Moving Networks</b>  <i>Antonio Mastro Simone and Daniela Panno (University of Catania, Italy)</i></p> <p><b>Performance of Distributed Compressive Sensing Channel Feedback in Multi-User Massive MIMO</b>  <i>Khaled Mohamed Shawky Hassan (German University in Cairo (GUC), Egypt); Martin Kurras (Fraunhofer Heinrich Hertz Institute &amp; Fraunhofer, Germany); Lars Thiele (Fraunhofer Heinrich Hertz Institute, Germany)</i></p> <p><b>Sum-rate Maximizing in Downlink Massive MIMO Systems with Circuit Power Consumption</b>  <i>Rami Hamdi (École de Technologie Supérieure (ÉTS) &amp; Université du Québec à Montréal (UQÀM), Canada); Wessam Ajib (Université du Québec à Montréal, Canada)</i></p>

	Room: Al Bustan 3
11:00-12:30	<p><b>U1: Routing for Wireless Networking, Mobility and Nomadicty</b> Chair: Muhammad Umer Farooq (University College Cork, Ireland)</p> <p><b>Low Overhead Loop-Free Routing in Wireless Sensor Networks</b> <i>Henry-Joseph Audéoud and Michal Krol (Grenoble Informatics Laboratory, France); Martin Heusse (Grenoble Informatics Laboratory &amp; Grenoble INP, France); Andrzej Duda (Grenoble Institute of Technology, France)</i></p> <p><b>RPL-Based Routing Protocols For Multi-Sink Wireless Sensor Networks</b> <i>Muhammad Umer Farooq, Cormac J. Sreenan and Kenneth N Brown (University College Cork, Ireland); Thomas Kunz (Carleton University, Canada)</i></p> <p><b>Augur: A Delay Aware Forwarding Protocol for Delay-Tolerant Networks</b> <i>Ahmad El Shoghri (The University of Queensland &amp; Commonwealth Scientific Industrial and Research Organization, Australia); Branislav Kusy and Raja Jurdak (Commonwealth Scientific and Industrial Research Organisation (CSIRO) ICT Centre, Australia); Neil W Bergmann (University of Queensland, Australia)</i></p> <p><b>Routing algorithm to fairly distribute the exposure to electromagnetic fields over wireless mesh networks</b> <i>Luis Diez and Julian Igareda (University of Cantabria, Spain); Voichita Iancu and Emil I Slusanschi (University Politehnica of Bucharest, Romania); Ramón Agüero (University of Cantabria, Spain)</i></p>
12:45-14:00	Lunch
	Room: Al Bustan 1
14:00-15:30	<p><b>R2: Optimizations for Multimedia Applications</b> Chair: Konstantinos Lizos (University of Oslo, Norway)</p> <p><b>Mobile Video Streaming with Video Quality and Streaming Performance Guarantees</b> <i>King Ching Wu, Yan Liu and Jack Y. B. Lee (The Chinese University of Hong Kong, Hong Kong)</i></p> <p><b>Large-scale Intrusion Detection with Low-cost Multi-camera wireless image sensors</b> <i>CongDuc Pham (University of Pau, France)</i></p> <p><b>Ranging Explosion Events Using Smartphones</b> <i>Srinivas Chakravarthi Thandu (Missouri University of Science and Technology, USA); Sriram Chellappan (University of South Florida, USA); Zhaozheng Yin (Missouri University of Science and Technology, USA)</i></p> <p><b>RADE: Resource-aware Distributed Browser-to-browser 3D Graphics Delivery in the Web</b> <i>Timo Koskela, Arto Heikkinen, Erkki Harjula, Mikko Levanto and Mika Ylianttila (University of Oulu, Finland)</i></p>
	Room: Al Bustan 2
14:00-15:30	<p><b>T2: New Schemes for 5G Communications</b> Chair: Abdel-karim Ajami (American University of Beirut (AUB), Lebanon)</p> <p><b>Physical-Layer Security for Multi-Antenna Wiretap Channel in the Wideband Regime</b> <i>Mustafa El-halabi (American University of Science &amp; Technology, Lebanon); Roger Achkar (American University of Science and Technology, Lebanon)</i></p> <p><b>KLT-Based PAPR Reduction Technique for LTE-Advanced Uplink with Carrier Aggregation</b> <i>Abdel-karim Ajami (American University of Beirut (AUB), Lebanon); Hassan A. Artail (American University of Beirut, Lebanon)</i></p>

	<p><b>Spatial Interference Management with Hierarchical Precoding in Ultra-Dense Heterogeneous Networks</b>  <i>Martin Kurras and Mohamed Shehata (Fraunhofer Heinrich Hertz Institute, Germany); Khaled Mohamed Shawky Hassan (German University in Cairo (GUC), Egypt); Lars Thiele (Fraunhofer Heinrich Hertz Institute, Germany)</i></p> <p><b>Effective Secrecy-SINR Analysis of Time Reversal-Employed Systems over Correlated Multi-path Channel</b>  <i>Ha-Vu Tran (University of Québec, Canada); Hung Tran (ETS, Canada); Georges Kaddoum (ETS Engineering School, University of Québec, Canada); Dung Tran and Dac-Binh Ha (Duy Tan University, Vietnam)</i></p>
	Room: Al Bustan 3
14:00-15:30	<p><b>U2: MAC for Wireless Networking, Mobility and Nomadicty</b>  Chair: Abderrezak Rachedi (University Paris-Est Marne-la-Vallée, France)</p>
	<p><b>On Modeling Single-cell IEEE 802.11 Ad-Hoc Network with Power Saving Mode</b>  <i>Wei Zhang, Yuhan Zhou, Mahima Agumbe Suresh and Radu Stoleru (Texas A&amp;M University, USA)</i></p> <p><b>Performance Evaluation of MIMO-based MAC/PHY cross-layer design in multi-hop ad hoc networks</b>  <i>Abderrezak Rachedi (University Paris-Est Marne-la-Vallée, France); Hakim Badis (Institut Gaspard-Monge, France)</i></p> <p><b>Direction Aware Cluster-Based multi channel MAC Protocol for Vehicular Ad Hoc Networks</b>  <i>Aboobeker sidhik Koyamparambil mammu (University Of Deusto, Spain); Unai Hernández-Jayo and Nekane Sainz (University of Deusto, Spain)</i></p> <p><b>Buffer Management in Wireless Full-Duplex Systems</b>  <i>Nader Bouacida (King Abdullah University of Science and Technology, Tunisia); Ahmad Showail and Basem Shihada (KAUST, Saudi Arabia)</i></p>
15:30-16:00	Coffee Break
	Room: Al Bustan 1
16:00-17:45	<p><b>R1: Performance evaluation and resource allocation</b>  Chair: Abderrezak Rachedi (University Paris-Est Marne-la-Vallée, France)</p>
	<p><b>Mobile-to-Mobile Opportunistic Task Splitting and Offloading</b>  <i>Gerardo Calice (Sapienza University of Rome, Italy); Abderrahmen Mtibaa (Texas A&amp;M University, USA); Roberto Beraldi ("Sapienza" Università di Roma, Italy); Hussein Alnuweiri (Texas A&amp;M University, Qatar)</i></p> <p><b>Increasing the Efficiency of Code Offloading through Remote-side Caching</b>  <i>Florian Berg, Frank Dürr and Kurt Rothermel (University of Stuttgart, Germany)</i></p> <p><b>Comparison of in-App Ads Traffic in Different Ad Networks</b>  <i>Riwa Mouawi, Imad H Elhadj, Ali Chehab and Ayman Kayssi (American University of Beirut, Lebanon)</i></p> <p><b>What Matters is an Application: on the Excessive I/Os in Smartphones</b>  <i>Myungsik Kim (Hanyang University, Korea); Seongjin Lee (Hanyang univ, Korea); Youjip Won (Hanyang University, Korea)</i></p> <p><b>Leveraging CDR datasets for Context-Rich Performance Modeling of Large-Scale Mobile Pub/Sub Systems</b>  <i>Georgios Bouloukakis (Inria, France); Rachit Agarwal (Inria Rocquencourt, France); Nikolaos Georgantas (INRIA, France); Animesh Pathak (Inria Paris-Rocquencourt, France); Valerie Issarny (INRIA, France)</i></p>

	Room: Al Bustan 2
16:00-17:30	<p><b>T3: Antennas and Channel Propagation</b> Chair: Bouhadda Hanen (Innov'Com Sup'Com, Tunisia)</p>
	<p><b>Hexagonal Dielectric Loaded Nantenna for Optical ITU-T C-Band Communication</b> <i>Waleed Tariq Sethi, Hamsakutty Vettikalladi and Habib Fathallah (King Saud University, Saudi Arabia); Mohamed Himdi (Université de Rennes 1, France)</i></p> <p><b>Single-Band PIFA MIMO Antenna System Design for Future 5G Wireless Communication Applications</b> <i>Osama Haraz (Assiut University, Egypt); Muhammad Ashraf (College of Engineering, King Saud University, Saudi Arabia); Saleh A Alshebeili (King Saud University, Saudi Arabia)</i></p> <p><b>Enhanced Gain Compact Size Switched Beam Conformal Antipodal Tapered Slot Antenna System for 5G MIMO Wireless Communication</b> <i>Muhammad Ashraf (College of Engineering, King Saud University, Saudi Arabia); Osama Haraz (Assiut University, Egypt); Saleh A Alshebeili (King Saud University, Saudi Arabia)</i></p> <p><b>Cluster-based Mobile-to-Mobile Channel Characterization for Realistic Modelling of Multipath-Components</b> <i>Jochen Martin-Creuzburg and Jörg Fischer (Fraunhofer Institute for Integrated Circuits IIS, Germany); Robert Koch (Fraunhofer IIS, Germany); Markus Landmann (Fraunhofer Institute for Integrated Circuits IIS, Germany); Reiner S. Thomä (Ilmenau University of Technology, Germany)</i></p>
	Room: Al Bustan 3
16:00-17:30	<p><b>U3: Security and Privacy for Wireless Networking, Mobility and Nomadicity</b> Chair: Abderrahmen Mtibaa (Texas A&amp;M University, USA)</p>
	<p><b>An Efficient Pairwise Key Establishment Scheme for Ad-hoc Mobile Clouds</b> <i>Subhajit Mandal, Chen Yang, Ala Altaweel and Radu Stoleru (Texas A&amp;M University, USA)</i></p> <p><b>Secret Key Generation from Static Channels with Untrusted Relays</b> <i>Rene Guillaume (University of Duisburg-Essen &amp; Robert Bosch GmbH, Germany); Stephan Ludwig and Andreas Mueller (Robert Bosch GmbH, Germany); Andreas Czulwik (Universität Duisburg-Essen, Germany)</i></p> <p><b>A Two Level Privacy Preserving Pseudonymous Authentication Protocol for VANET</b> <i>Ubaidullah Rajput (Hanyang University, Erica Campus, South Korea, Korea); Fizza Alvi, Engr. (Hanyang University, South Korea, Korea); Hasoo Eun (Hanyang University, Korea); Rasheed Hussain (Innopolis University &amp; Information Security and Privacy Lab, Russia); Heekuck Oh (Hanyang University, Korea)</i></p> <p><b>Real-World Evaluation of an Anonymous Authenticated Key Agreement Protocol for Vehicular Ad-Hoc Networks</b> <i>Carsten Büttner (Adam Opel AG and Technische Universität Darmstadt, Germany); Friederike Bartels (Adam Opel AG, Germany); Sorin A. Huss (Technische Universität Darmstadt, Germany)</i></p>
20:30	Conference Banquet



Wednesday, 21st October 2015

09:30-10:30	<p style="text-align: center;">Rooms: Al Bustan 1,2</p> <p><b>Keynote 2: Towards 5G - an operators perspective</b>  <i>Paul Crane</i>            Chair: Bayan S Sharif (Khalifa University, UAE)</p>
10:30-11:00	<p style="text-align: center;"><b>Coffee Break</b></p>
11:00-12:30	<p style="text-align: center;">Room: Al Bustan 1</p> <p><b>R3: Scheduling and coordinating wireless mobile devices</b>            Chair: Samuel Pierre (Ecole Polytechnique de Montreal, Canada)</p> <p><b>Programmable Orchestration of Time-Synchronized Events Across Decentralized Android Ensembles</b>  <i>Edmund Lam (Carnegie Mellon University &amp; Qatar Campus, Qatar); Iliano Cervesato (Carnegie Mellon University - Qatar Campus, Qatar); Ali Elgazar (Carnegie Mellon University, Qatar)</i></p> <p><b>Deploying a Pool of Long-Range Wireless Image Sensor with Shared Activity Time</b>  <i>CongDuc Pham (University of Pau, France)</i></p> <p><b>Heterogeneous Scheduling in Wireless Networks Machine to Machine case study</b>  <i>Konstantinos Lizos (University of Oslo, Norway)</i></p> <p><b>An Unobtrusive Interaction Interface for Multiple Co-located Mobile Devices</b>  <i>Seung Eun Chung and Injong Rhee (North Carolina State University, USA)</i></p>
11:00-12:30	<p style="text-align: center;">Room: Al Bustan 2</p> <p><b>T4: Modulation and Coding</b>            Chair: Hasan Kartlak (Istanbul University &amp; Akdeniz University, Turkey)</p> <p><b>Iterative receiver cancellation of nonlinear power amplifier distortion in FBMC/OQAM system</b>  <i>Bouhadda Hanen (Innov'Com Sup'Com, Tunisia); Rafik Zayani (Innov'COM Lab, Sup'Com, Tunisia); Hmaied Shaiek (CNAM, France); Daniel Roviras (Cnam, France); Ridha R. Bouallegue, B. (Ecole Supérieure des Communications de Tunis, Tunisia)</i></p> <p><b>An Implementation of a Fountain Code-Based MIMO-OFDM Receiver for Real-Time Wireless Video Streaming</b>  <i>Yi-Pin Lu, Wei Lan, Yi-Feng Cheng and Tzi-Dar Chiueh (National Taiwan University, Taiwan)</i></p> <p><b>Analytic Symbol Error Rate Evaluation of M-PSK Based Regenerative Cooperative Networks Over Generalized Fading Channels</b>  <i>Mulugeta K Fikadu (Tampere University of Technology, Finland); Paschalis C. Sofotasios (Tampere University of Technology &amp; Aristotle University of Thessaloniki, Finland); Mikko Valkama (Tampere University of Technology, Finland); Qimei Cui (Beijing University of Posts and Telecommunications, P.R. China); Sami Muhaidat (Khalifa University, UAE); George K. Karagiannidis (Aristotle University of Thessaloniki, Greece)</i></p> <p><b>Space Time Block Coded Cooperative Spatial Modulation</b>            Hasan Kartlak (Istanbul University &amp; Akdeniz University, Turkey); Niyazi Odabasioglu and Aydin Akan (Istanbul University, Turkey)</p>
11:00-12:30	<p style="text-align: center;">Room: Al Bustan 3</p> <p><b>U4: Wireless Sensor Networking, Mobility and Nomadicity</b>            Chair: Samuel Pierre (Ecole Polytechnique de Montreal, Canada)</p> <p><b>Remote Inference Energy Model for Internet of Things Devices</b>  <i>Vilen Looga, Zhonghong Ou and Yang Deng (Aalto University, Finland); Antti Ylä-Jääski (Helsinki University of Technology, Finland)</i></p>

	<p><b>Optimized Trajectories of Multi-Robot Deploying Wireless Sensor Nodes</b>  <i>Ines Khoufi (Inria, France); Mohamed Hadded (TELECOM SudParis, France); Pascale Minet (INRIA, France); Anis Laouiti (TELECOM SudParis, France)</i></p> <p><b>Tracking and Monitoring Horses in the Wild using Wireless Sensor Networks</b>  <i>Ion Emilian Radoi (The University of Edinburgh, United Kingdom); Janek Mann and DK Arvind (University of Edinburgh, United Kingdom)</i></p> <p><b>Green Smartphone GPUs: Optimizing Energy Consumption using GPUFreq Scaling Governors</b>  <i>Enas Ahmad and Basem Shihada (KAUST, Saudi Arabia)</i></p>
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12:45-14:00	<b>Lunch</b>
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	Room: Al Bustan 1
14:00-15:30	<p><b>R4: Security, privacy and authentication in mobile applications</b>  Chair: CongDuc Pham (University of Pau, France)</p> <p><b>Secure and Privacy-Preserving AMI-Utility Communications via LTE-A Networks</b>  <i>Zaher Haddad (Alaqa University &amp; Cairo University, Palestine); Mohamed M E A Mahmoud (Tennessee Tech University, USA); Sanaa Taha and Imane A. Saroit (Cairo University, Egypt)</i></p> <p><b>ProbeTags: Privacy-Preserving Proximity Detection Using Wi-Fi Management Frames</b>  <i>Marco Maier (Ludwig-Maximilians-Universität München, Germany); Lorenz Schauer and Florian Dorfmeister (LMU Munich, Germany)</i></p> <p><b>Jamming Detection on 802.11p under Multi-channel Operation in Vehicular Networks</b>  <i>Huong Nguyen-Minh (University of Avignon, France); Abderrahim Benslimane (University of Avignon &amp; LIA/CERI, France); Abderrezak Rachedi (University Paris-Est Marne-la-Vallée, France)</i></p> <p><b>Gesture-Based Soft Authentication</b>  <i>Alan Ferrari, Daniele Puccinelli and Silvia Giordano (University of Applied Sciences and Arts of Southern Switzerland (SUPSI), Switzerland)</i></p>

	Room: Al Bustan 2
14:00-15:30	<p><b>T5: Radio Resource Management</b>  Chair: Hasan Kartlak (Istanbul University &amp; Akdeniz University, Turkey)</p> <p><b>Joint Scheduling and Power Control in Multi-Cell Networks for Inter-Cell Interference Coordination</b>  <i>Bilal Maaz (University of Versailles, France); Kinda Khawam (Université de Versailles, France); Samer Lahoud (IRISA, University of Rennes 1, France); Steven Martin (Paris-Sud University, France); Jad Nasreddine (Rafik Hariri University, Lebanon); Samir Tohme (University of Versailles, France)</i></p> <p><b>On the Analysis of Channel-Aware Schedulers in OFDMA-Based Networks using FFR</b>  <i>Jan Garcia Morales, Guillem Femenias and Felip Riera-Palou (University of the Balearic Islands, Spain)</i></p> <p><b>Joint Multi-user Resource Scheduling and Computation Offloading in Small Cell Networks</b>  <i>Wael Labidi (CEA-List, France); Mireille Sarkiss and Mohamed Kamoun (CEA LIST, France)</i></p> <p><b>Wait-to-Pick-As-Available (W2PAA): a New MAC Protocol for Uplink Multi-Users Transmissions in WLAN</b>  <i>Btissam Er-rahmadi (University Rennes 1 &amp; Orange Labs, France); Adlen Ksentini (University of Rennes 1 / IRISA Lab, France); Djamal-Eddine Meddour (Orange Labs, France)</i></p>

	Room: Al Bustan 3
14:00-15:30	<p><b>U5: Cellular Wireless Networking, Mobility and Nomadicity</b> Chair: Bayan S Sharif (Khalifa University, UAE)</p> <p><b>Cross-layer approach enabling communication of high number of devices in 5G mobile networks</b> <i>Jan Plachy and Zdenek Becvar (Czech Technical University in Prague, Czech Republic); Emilio Calvanese Strinati (CEA-LETI, France)</i></p> <p><b>On Efficient Power Allocation Modeling in Virtualized Uplink 3GPP-LTE Systems</b> <i>Mohamed Hussein (University of Western, Canada); Abdallah Moubayed and Serguei Primak (University of Western Ontario, Canada); Abdallah Shami (The University of Western Ontario, Canada)</i></p> <p><b>General-Purpose Multi-Objective Vertical Hand-off Mechanism Exploiting Network Dynamics</b> <i>Novia Nurain (Bangladesh University of Engineering and Technology, Bangladesh); Taslima Akter (Bangladesh University of Engineering and Technology (BUET), Bangladesh); Hafsa Zannat (Bangladesh University of Engineering &amp; Technology (BUET), Bangladesh); Monira Akter and A. B. M. Alim Al Islam (Bangladesh University of Engineering and Technology, Bangladesh); Md. Humayun Kabir (University of Victoria, Canada)</i></p>
15:30-16:00	Coffee Break
	Room: Al Bustan 2
16:00-17:30	<p><b>T6: Channel Estimation and Equalization</b> Chair: Luis Weruaga (Khalifa University of Science, Technology &amp; Research, UAE)</p> <p><b>DFE for AF-PNC over Frequency-Selective Multipath Channels</b> <i>Alaa Ahmed (Newcastle University, School of Electrical and Electronic Engineering, United Kingdom); Charalampos C. Tsimenidis and Jeffrey A. Neasham (Newcastle University, United Kingdom); Bayan S Sharif (Khalifa University, UAE)</i></p> <p><b>Sparse NLMS Adaptive Algorithms for Multipath Wireless Channel Estimation</b> <i>Abdullah Al-Shabili, Bilal Taha, Hadeel Elayan, Fatimah Al-Ogaili and Leen AlHalabi (Khalifa University, UAE); Luis Weruaga (Khalifa University of Science, Technology &amp; Research, UAE); Shihab Jimaa (Khalifa University, UAE)</i></p> <p><b>Leveraging the I1-LS Criterion for OFDM Sparse Wireless Channel Estimation</b> <i>Fatimah Al-Ogaili, Hadeel Elayan, Leen AlHalabi, Abdullah Al-Shabili and Bilal Taha (Khalifa University, UAE); Luis Weruaga (Khalifa University of Science, Technology &amp; Research, UAE); Shihab Jimaa (Khalifa University, UAE)</i></p>
	Room: Al Bustan 3
16:00-17:45	<p><b>U6: Future Wireless Networking, Mobility and Nomadicity</b> Chair: Anis Laouiti (TELECOM SudParis, France)</p> <p><b>Mobility as a First Class Function</b> <i>Ditchaphong Phoomikiattisak and Saleem N Bhatti (University of St Andrews, United Kingdom)</i></p> <p><b>Taming the Densification Challenge in Next Generation Wireless LANs: An Investigation into the Use of Dynamic Sensitivity Control</b> <i>Parag Kulkarni (Toshiba Research Europe Ltd., United Kingdom); Fengming Cao (Toshiba Europe Research Telecommunication Lab, United Kingdom)</i></p> <p><b>Exploiting Social Information For Dynamic Tuning in Cluster Based WiFi Localization</b> <i>Abderrahmen Mtibaa (Texas A&amp;M University, USA); Khaled A. Harras (Carnegie Mellon University, USA); Mohamed Abdellatif (Carnegie Mellon University, Qatar)</i></p>

**An Efficient Elastic Distributed SDN Controller for Follow-Me Cloud**

*Abdelkader Aissioui (University of Versailles St Quentin en Yvelines, France); Adlen Ksentini (University of Rennes 1 / IRISA Lab, France); Abdelhak (Mourad) Gueroui (University of Versailles, France)*

**Planning the Communication Infrastructure for Vehicular Networks Without Tracking Vehicles**

*Cristiano M. Silva (Universidade Federal de São João Del-Rei, Brazil); João Sarubbi (Centro Federal de Educação Tecnológica de Minas Gerais - CEFETMG, Brazil); Wagner Meira, Jr. (Universidade Federal de Minas Gerais, Brazil)*

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### TPC Tracks

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