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The IEEE WiMob conference is an international forum for the exchange of experience and knowledge among researchers and developers concerned with wireless and mobile technology. For eleven years, the International IEEE WiMob conference has provided unique opportunities for researchers to interact, share new results, show live demonstrations, and discuss emerging directions in - Wireless Communication, - Wireless Networking, Mobility and Nomadicity, - Ubiquitous Computing, Services and Applications, - Green and sustainable communications and network computing and - Security on Wireless and mobile Networks.

IEEE WiMob 2016 will take place at the Lebanese American University, New York, USA, between October 17 and 19th, 2016.

IEEE WiMob 2016 is soliciting high quality technical papers addressing research challenges in the areas of wireless communications, wireless networking, mobility, nomadicity, ubiquitous computing, services and applications. Papers should present original work validated via analysis, simulation or experimentation. Practical experiences and Testbed trials also are welcome.

IEEE WiMob 2016 will host FIVE parallel symposia, including but not limited to the following topics:

1. Wireless Communications Symposium

• Adaptive Antennas for Wireless Systems • Advances in Satellite Communication • Broadband Wireless Communication Systems • Channel Measurement and Characterization • Cognitive and cooperative MAC • Cognitive Radio Applications and Spectrum Management • DSP Applications to Wireless Systems • Femtocells	• Link and System Capacity • Location Estimation and Tracking • MIMO Channels • Modulation and Coding • Multimedia Communications over Wireless • Multiple Access Techniques • Multirate and Multicarrier Communications	• Multiuser Detection • OFDM and CDMA Technologies and Systems • Other Topics on Wireless Communications • Resource Allocation and Interference Management • Signal Separation and Interference Rejection • Spectrum Usage and Cognitive radio systems • Wireless Personal Communications.

2. Wireless Networking, Mobility and Nomadicity Symposium

• B3G/4G Systems, WiMAX, WLAN, WPAN • Cellular Systems, PCS Modeling and Configuration • Congestion and Admission Control • Cross-layer Design and Optimization • Cross-layer security • Delay Tolerant Networks • Design and Analysis of Wireless LAN/WAN • Energy-efficient protocols for wireless networks • Green wireless network architectures and communication protocols	• Integration of ad hoc networks with wireless access networks • Inter-working of 2G, 3G and 4G Wireless Networks • Mobile IP Networks • Mobility patterns, Location and Handoff Management • Opportunistic networks • Optimization models and algorithms • Other Topics on Wireless Networking, Mobility and Nomadicity	• QoS support for mobile networks • RFID networks and protocols • Vehicular wireless networks • Wireless Mesh networks • Wireless multicasting, broadcasting and geocasting • Wireless Sensor Networks • Wireless Sensors and Actuators/Robots networks.

3. Ubiquitous Computing, Services and Applications Symposium

• Cognitive Radio applications and spectrum management • Content distribution in wireless home environment • Context and Location aware applications • Data gathering, fusion, and dissemination in WSNs • Data replication and dissemination in mobile networks • Emerging Wireless/Mobile applications • Gaming Applications in Ubiquitous Computing Environments • Green computing in wireless networks • Intelligent Transport Systems applications • Mobile Social Wireless Networks	• Mobile Urban Sensing and Crowd-sensing • Multimedia over Wireless Networks • Network Coding in wireless networks • Operating system and middleware support for mobile computing • Opportunistic Applications • Other Topics on Ubiquitous Computing, Services and Applications • Passive, Active and Smart Tags for Ubiquitous Computing • Portable Devices and Wearable Computers	• Resource and service discovery • Service oriented architectures, service portability, P2P • Smart Cities and smart environment • Smart Grid • System prototypes, real deployments and experimentation • Wireless communications to vehicle-to-grid applications • Wireless telemedicine and e-health services.

4. Green and Sustainable Communications and Network Computing Symposium

• Advanced metering infrastructure and smart meter technologies • Architectures, algorithms, protocols and scheduling for green communication systems and networks • Communication networks for the smart grid • Communication technologies for green buildings • Context-based green management & green awareness • Cross-layer design and optimization for green communications and networking • Economy and pricing for green communication and services • Energy efficiency in big data networking • Energy harvesting, storage and recycling • Energy-efficient smart cities • Energy-efficient techniques for 5G wireless communication systems	• Experimental test-beds and results for green communications • Green communications under delay or quality of service constraints • Green data storage, data centers and cloud computing, content distribution networks • Green Internet of Things • Green network monitoring and measurements • Green optical communications, switching and networking • Green techniques for smart highways and vehicular networks • Green technologies for intelligent transport systems • Low cost, energy-efficient antenna and RF designs • Optimal use of renewable energy in communication systems and networks	• Other Topics on Green and Sustainable Communications and Network Computing • Physical layer approaches for green communications • Power-efficient cooling and air-conditioning systems for communications and computing • Self-organizing green wireless networks • Sensor and actuator networks for the smart grid • Signal processing for green communications • Standardization, policy and regulation for green communications and computing • Sustainable communication platforms • Theory, modeling, analysis, and/or optimization for green and sustainable communications and systems • Use of cognitive principles to achieve green objectives

5. Security on Wireless and Mobile Networks Symposium

• Computer and Network Forensics • Cross-layer Design Security • Cryptographic Algorithms and Applications • Identity Management, Key distribution and management • Information System Security • Intrusion Detection and Prevention • Mobile and Wireless Network Security • Mobile and Wireless Networks Security • Network Security Protocol Design • Other Topics on Security on Wireless and Mobile Networks • Physical Layer Security	• Privacy and Security in Clouds and Contents Distribution Networks • Resource Allocation, Incentives, and Game-Theoretic Models • Security and Privacy in Crowd Sensing and Crowd Sourcing • Security and Privacy of Big Data • Security and Privacy of Cloud Services • Security and Privacy of D2D • Security and Privacy of Location-based services • Security and Privacy of Social Networks • Security in Cognitive Radio Networks and Cooperative Communication Systems	• Security of Cyber Physical Systems • Security of Femtocells and Macrocells • Security of Mobile Multimedia and Cloud Media • Security, Privacy and Anonymity in Mesh, Vehicular and Mobile Networks • Security, Trust and Privacy of Internet of Things • Smart Grids security • Smart Phone Security and Privacy • Threat and Vulnerability Analysis for Mobile Communication • Trust Models, Security Modeling and Protocol Design • Trust, Privacy and Security: Application, Network and MAC layers.

ACCEPTED PAPER

All accepted papers will be published in the conference proceedings by the IEEE, and will be accessible via IEEE Xplore Digital Library. Authors are required to submit fully formatted, original papers (PDF), with graphs, images, and other special areas arranged as intended for the final publication. Papers should be written in English conforming to the IEEE standard conference format (8.5" x 11" - US letter, Two-Column). The initial submission for review will be limited to 8 pages. The final manuscript for publication will be limited to 8 IEEE pages. Additional charges may apply for additional pages. Conference content will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases. Each accepted paper must be presented at the conference by one of the co-authors or a third party, otherwise it will not be indexed and archived through IEEE Xplore.

IMPORTANT DATES

Paper Submission Deadline: May 31, 2016   Notification of Acceptance: July 31, 2016   Camera Ready: September 1, 2016