



The 11th IEEE International Conference on
Wireless and Mobile Computing, Networking and Communications
19-21/Oct 2015 | Abu Dhabi, UAE



CALL FOR PAPERS



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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 nine 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 Communications, Mobile Networking and Ubiquitous Computing.

IEEE WiMob 2015 will take place at Abu Dhabi, United Arab Emirates, between October 19 and 21th, 2015.

IEEE WiMob 2015 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 2015 will host three parallel symposiums, including but not limited to the following topics:

1. Wireless Communications

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| <ul style="list-style-type: none"> Broadband Wireless Communication Systems Signal Separation and Interference Rejection Wireless Personal Communications Multimedia Communications over Wireless Advances in Satellite Communication DSP Applications to Wireless Systems Adaptive Antennas for Wireless Systems Modulation and Coding Spectrum Usage and Cognitive radio systems Cognitive and cooperative MAC Cognitive Radio Applications and Spectrum Management | <ul style="list-style-type: none"> Multiple Access Techniques Multiuser Detection Femtocells Channel Measurement and Characterization Location Estimation and Tracking OFDM and CDMA Technologies and Systems Resource Allocation and Interference Management MIMO Channels Multirate and Multicarrier Communications Link and System Capacity |
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2. Wireless Networking, Mobility and Nomadicity

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| <ul style="list-style-type: none"> Mobile IP Networks Inter-working of 2G, 3G and 4G Wireless Networks Security, Privacy and Authentication in Mobile Environments Cellular Systems, PCS Modeling and Configuration Wireless Sensor Networks Cross-layer Design and Optimization Cross-layer security Congestion and Admission Control Mobility patterns, Location and Handoff Management Design and Analysis of Wireless LAN/WAN Wireless multicasting, broadcasting and geocasting Wireless Sensors and Actuators/Robots networks | <ul style="list-style-type: none"> Energy-efficient protocols for wireless networks Green wireless network architectures and communication protocols Opportunistic networks Vehicular wireless networks Wireless Mesh networks Delay Tolerant Networks Integration of ad hoc networks with wireless access networks QoS support for mobile networks RFID networks and protocols B3G/4G Systems, WiMAX, WLAN, WPAN Optimization models and algorithms |
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3. Ubiquitous Computing, Services and Applications

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| <ul style="list-style-type: none"> Emerging Wireless/Mobile applications System prototypes, real deployments and experimentation Cognitive Radio applications and spectrum management Resource and service discovery Mobile Social Wireless Networks Opportunistic Applications Gaming Applications in Ubiquitous Computing Environments Operating system and middleware support for mobile computing Multimedia over Wireless Networks Network Coding in wireless networks Security, Privacy and Infrastructure for Ubiquitous Computing Green computing in wireless networks | <ul style="list-style-type: none"> Smart Grid Portable Devices and Wearable Computers Passive, Active and Smart Tags for Ubiquitous Computing Context and Location aware applications Data replication and dissemination in mobile networks Mobile Urban Sensing and Crowd-sensing Data gathering, fusion, and dissemination in WSNs Intelligent Transport Systems applications Wireless communications to vehicle-to-grid applications Wireless telemedicine and e-health services Content distribution in wireless home environment Service oriented architectures, service portability, P2P Smart Cities and smart environment |
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ACCEPTED PAPERS

All accepted papers will be published in the conference proceedings and by the IEEE, and will be accessible via IEEE Xplore Digital Library. Authors are required to submit fully formatted 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 final manuscript for publication will be limited to 8 IEEE pages.

WiMob 2015 is using the EDAS Conference Management System to manage the paper submission process.

IMPORTANT DATES

- Paper Submission Deadline: June 25, 2015**
- Notification of Acceptance: July 31, 2015**
- Camera Ready: September 1, 2015**