

IDAACS'2015 - Special Stream Wireless Systems - Call for Papers

Dear colleagues,

as part of the conference

IDAACS'2015, 24.-26.09.2015, Warsaw (Poland),

WWW.IDAACS.NET

the **Special Stream Wireless Systems** will be organized and take place for the 5th time since 2007. The stream will address researchers, industry professionals and academics interested in the latest development and design of wireless systems and networks. You are invited to submit papers in all areas of wireless communications, networks, services, and applications. Potential topics are solicited in but not limited to the following categories:

Track A: Wireless Technologies

- modulation, coding, diversity
- interference characterization and avoidance;
- ultra-wide bandwidth communication
- wireless MAC protocols: design, capacity and analysis; cognitive and cooperative MAC
- security and safety within wireless systems
- localization within wireless networks
- ultra low power designs, incl. energy harvesting and energy autarky
- analytical, simulation, or experimental systems
- test-bed and prototype implementation for wireless systems
- commissioning, analyzing and monitoring of distributed wireless networks
- regulations & spectrum management
- secure usage of mobile media and storage
- RFID & NFC
- UMTS and LTE
- IEEE802.15.4 & ZigBee, 6LoWPAN
- Bluetooth, Bluetooth Low Energy and iBeacon

Track B: Wireless Network Architectures and Management

- proxies, gateways and middleware for wireless networks
- service oriented architectures, service portability
- QoS support, middleware
- mobile identity and access management
- BYOD
- innovative user interfaces, peer-to-peer services for multimedia
- personalization, service discovery, profiles and profiling
- cross platform development for mobile devices

Track C: Wireless Services, Applications and Business Models

- emerging wireless/mobile services and applications
- Innovative mobile applications and their content
- context aware wireless services and applications
- location-aware wireless services and applications
- wireless for telemedicine, and e-health services
- wireless for intelligent transportation systems (ITS), including Car-2-Car- and Car-2-X-communication
- wireless for machine-to-machine (M2M) applications
- wireless for smart meter and smart grid applications

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- wireless for smart home and smart building applications
- wireless for emergency and security systems
- multimedia & SIP based services
- cognitive radio and sensor-based applications
- Social impact of digital technologies, communication and applications

It is our pleasure to invite the interested scientists to organize own tracks. Deadline for submission of abstracts is **February 2015**. Details of submission are described in the attached Call for Papers of IDAACS'2015. We will be glad to receive your proposals.

Evren Eren / Uwe Grossmann / Juergen Sieck / Axel Sikora
(Co-Chairmen of Special Stream 'Wireless Systems')