FIRST CALL FOR PAPERS

IEEE PIMRC 2016, SEPT 4-7, 2016, VALENCIA CONFERENCE CENTRE, VALENCIA, SPAIN

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The annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC) is one of the premier conferences in the wireless research arena and has a long history of bringing together academia, industry and regulatory bodies. Today, it has become one of the IEEE Communication Society's flagship conferences in wireless networking. After two successful editions in Asia and America, the 27th edition of this important wireless event will be held in Valencia, Spain. PIMRC 2016 will include technical sessions, tutorials, workshops, and technology and business panels. You are invited to submit papers, and proposals for panels, tutorials, and workshops, in all areas of wireless communications, networks, services, and applications.

Submission deadline: March 15, 2016

Track 1: Fundamentals and PHY

Advanced modulation schemes; Antennas; Beamforming; Channel capacity estimation; Channel equalisation; Channel modelling; Channel simulation; Cognitive and green radio; Cooperative communications; Interference mitigation; Multi-antenna signal processing; PHY aspects of WLAN, WPAN, and WBAN; PHY performance evaluation; Physical layer network coding; Physical layer security; Positioning, localisation, and tracking techniques; Power efficient communications; RF Propagation modelling; Signal processing for wireless communications; Single and multi-user MIMO; Source and channel coding; Synchronisation techniques; Ultra-wideband communications; Vehicular communications.

Track 3: Mobile and Wireless Networks

5G Networks; Software defined wireless networks; Mobile cloud networking; Mobile social networks; Mobile internet of things; Ad hoc networks; Body area networks; Cognitive radio networks; Congestion, load and admission control; Cooperative communications; Delay tolerant networks; Dynamic spectrum management; Future wireless Internet; Green wireless networks; Mobile computing; Network architectures; Routing, QoS and scheduling; Satellite communications; Self-organising networks; Smart cities; Smart grids; Vehicular networks; Multicasting, broadcasting, and geocasting; Wireless sensor networks.

Track 2: MAC and Cross-Layer Design

Adaptive MACs; Cognitive MACs; Cross-layer designs involving MAC; Delay tolerant MAC designs; MAC design for D2D, V2X communications; MAC design for MTC; Docitive MACs; Implementation, testbeds and prototypes; Information-theoretical approaches to MAC designs; Joint access and backhaul scheduler designs; Joint MAC and networking layer designs; MAC for low power embedded networks; MAC for mobile and vehicular ad hoc networks; QoS/QoE-enabling MAC in 4G and future mobile networks; Radio resource management, allocation, and scheduling; Reconfigurable MACs; Scheduler for cellular macro-, pico- and femto systems; Scheduler for cooperative systems; Scheduler for relay systems; Security issues in MAC designs; Time-critical MAC designs.

Track 4: Services, Applications and Business

Audio and video broadcast applications; Authentication, authorization and accounting; Context and location-awareness in pervasive systems; Cyber-physical system / real-world Internet; Emerging wireless/mobile applications; In-/intra-car communications; Mobile multimedia services; Link data and networked knowledge; Next generation digital home networks; P2P services for multimedia; Personalization, profiles and profiling; Secure network and service access; Self-adaptation on the service layer; Semantic technologies; Service discovery; Service oriented architectures and cloud computing; Service portability; User interfaces, user-machine interactions; Wireless emergency and security systems; Wireless robotics.

Co-Sponsored by:

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