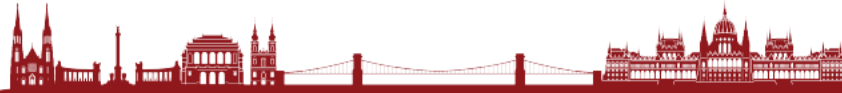May 20-22, 2015

Call for papers

Budapest, Hungary

EUROPEAN WIRELESS 2015

ew2015.european-wireless.org

The European Wireless (EW) conference is a key venue for European researchers to get in touch with the latest trends in wireless communications and networking. The 21th EW conference will take place in Budapest, the lively capital of Hungary, organized by the Budapest University of Technology and Economics (BME). The main theme of EW 2015 will be "5G and beyond."

Topics of interest include, but are not limited to, the following:

FW Fundamental Wireless

- o Modulation and coding for wireless communications
- o Signal processing for wireless communications
- o Wireless models, synchronization, estimation, equalization
- o MIMO systems, space-time coding, diversity
- o Fundamental limits, information theory for wireless
- o Multiple access schemes, multiuser detection
- o Interference mitigation and management
- o Distributed coding and cooperative diversity
- o Localization and positioning in wireless systems
- o Source and joint source/channel coding
- o Spectrum sensing and wireless parameter estimation

TW Technology for Wireless

- o Migration, integration, and convergence towards 5G
- o WiFi, LTE, 3GPP, Heterogeneous Networks
- o Wireless LAN/PAN/BAN, Ad Hoc, Mesh networks
- o Near-field communications & RFID
- o Wired-wireless integration
- o Ultra-Wideband (UWB) communications
- o Mm-wave communications
- o Wireless sensors & actuators networks
- o Vehicular and disruption tolerant wireless networks
- o Optical wireless and visible light communications

EW Efficient Wireless

- o Power: green communications, energy harvesting devices
- o Spectrum: cognitive radio, spectrum-aware techniques
- o Implementation: low-complexity and scalable systems
- o Reliability: robust and dependable wireless systems
- o Cost: low-cost radio, sustainable wireless
- o Security: privacy and trust in wireless networks

AW Advanced Wireless

- o Protocols and architectures for wireless networks
- o Channel coding, error protection, network coding
- o Cross-layer issues in wireless networks
- o Cognitive radio for wireless communications
- o QoS and resource allocation in wireless networks
- o Mobile/wireless networks modeling and simulation
- o Localization and positioning in wireless scenarios
- o Optimization and game theory for wireless
- o Topology control, self-organizing wireless networks
- o Transport layer for wireless communications
- o Relays and buffers in wireless networks
- o Tools for modeling and analysis of wireless systems

PW Practical Wireless

- o Implementation issues in wireless systems
- o Testbeds and experimental systems
- o Antenna and RF modeling and design
- o Mobility management and billing technologies
- o Mobile apps and platforms
- o Regulation and standardization for wireless
- o Context awareness
- o Emerging applications in wireless networks

VW Vision for Wireless

- o Personal wireless communications beyond 5G
- o Software defined wireless networks and re-configurability
- o M2M communications and the Internet of Things
- o Storage, smart caching, and cloud for wireless
- o Wireless social networks, participatory computing
- o Molecular and nano-scale wireless communications
- o New disruptive concepts for wireless systems

General chair: Hassan Charaf (BME, HU)
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The EW conference is committed to high publication ethics standards through a rigorous single-blind peer-review process. Submitted manuscripts must be original and not published or under consideration elsewhere. They must not infringe any copyright or third party right. Proceedings of EW 2015 will be available on IEEEXplore and Scopus (approval pending). Authors of selected papers will be invited to submit a journal extended version for a special issue of Wiley Transactions on Emerging Telecommunications Technologies. Authors of selected papers will be invited to submit extended journal versions of their papers for consideration for publication in a Special Issue in Infocommunications Journal.

Important dates
paper submission (ext.): February 15, 2015
notification of acceptance: March 22, 2015
camera ready due: March 29, 2015