

# **GENERAL INFORMATION**

The Symposium explores wireless systems and their applications. The aim of the Symposia is to exchange experience and enhance global collaboration. In particular papers in the fields of IoT, 5G and novel Wireless Technologies will be welcomed. The Symposium is organized within the IDAACS conference (www.idaacs.net). Success of special streams led to their promotions to symposia, which were held in Offenburg, Germany, in 2012, 2014 and, 2016. Papers published in previous IDAACS-SWS symposiums were published in IEEE Xplore, Web of Science - Conference Proceedings Citation Index- Science (CPCI-S) and Scopus. Lviv is one of largest IT and tourist centers (visited by 2.5 million of tourists in 2016) in Eastern Europe. Therefore, we hope the Symposium will be interesting and successful.

#### Wireless Radio Technologies

- modulation, coding, diversity
- information-theoretic aspects of wireless communications
- interference characterization and avoidance
- cognitive radio, multi user detection
- ultra-wide bandwidth communication
- wireless MAC protocols: design,
- capacity and analysis; security and safety with wireless
- systems wireless multicasting & routing
- localization for wireless networks antenna design and simulation
- ultra low power designs, incl. energy harvesting
- analytical, simulation, or experimental systems
- test-bed and prototype implementation for wireless
- commissioning, analyzing and monitoring of distributed wireless networks
- regulations & spectrum management
- standardization & harmonization
- RFID & NFC

- new development for LTE, 5G, NB-IOT IEEE802.15.4 & ZigBee
- DECT & DECT ULE
- IPv6 for Wireless, 6LoWPAN
- Bluetooth
- narrowband long range technologies, like SigFox, Weightless, LoRa, LoRaWAN

#### Wireless Network Architectures

- proxies and middleware for wireless networks
- service oriented architectures, service portability
- QoS support, middleware
- innovative user interfaces, peer-to-peer services for multimedia
- dynamic services, autonomic services
- AAA, application-oriented network management
- monitoring, intrusion detection and intrusion prevention
- personalization, service discovery, profiles and profiling

#### **Advanced IoT Applications and Services**

- emerging wireless/mobile applications ٠
- multimedia & SIP based service

## Symposium Language. The official symposium language is English.

Invitation to Sponsoring Program. Organizations and companies interested in presenting their products are invited to participate in the Sponsorship Program.

Some social Program including City tour will be organized.

Submission. Papers must be written in English (3-4 pages, MS Word or LaTex and pdf formats) using the templates provided on the web site via EasyChair online submission system. Each submission should reflect relevance, significance and originality, see details at http://www.idaacs.net/2018. A submission implies the commitment to register and present the accepted paper.

All presented papers will be published in Symposium Proceedings.

OF EDUCATION AND SCIENCE OF UKRAINE

context and location-aware wireless

wireless for telemedicine, and e-health

wireless for intelligent transportation

including Car-2-Car- and Car-2-X-

wireless for smart home and smart

wireless for smart meter and smart grid

integration of sensor-actuator-networks

industrial applications (Industry 4.0)

services and applications

services

systems (ITS),

communication

building applications

(M2M) applications

into Cloudbased services

application layers for wireless

wireless for machine-to-machine

cognitive radio and sensor-based

Business process for wireless

Business models for wireless

applications and services

applications and services

wireless for emergency and security

applications

networks

applications

systems

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IMPORTANT DATES	REGISTRATION FEE			
	International participants		Participants from Georgia, Moldova and Ukraine	
Late Paper Submission: July 22	IEEE Member	180€	IEEE Member	90 €
Paper acceptance: August 21	Non-IEEE Member	200€	Non-IEEE Member	100 €
Payment confirmation: August 25	IEEE Student Member	75€	IEEE Student Member	35 €
Camera-ready papers: September 05	Non-IEEE Student	85 €	Non-IEEE Student Member	40 €
	Member			

At least one author per accepted paper should pay a Registration fee in order to publish the paper. Details regarding payment process are provided at the symposium site. All correspondence should be directed to Orest Kochan <u>sws@idaacs.net</u>