

Conference Language

The official conference language is English. No simultaneous translation will be provided. All materials concerning the IDAACS Wireless 2016 should be written in English.

Poster Sessions

Dedicated poster sessions will be offered and will be moderated.

Invitation to Sponsoring Program

Organizations and companies interested in presenting their products are invited to participate in the Sponsor Program and to take part in the Technical exhibition. The exhibition area assigned during the symposium will be offered free of charge for sponsors only.

Accompanying Persons Program

A social and tour program will be organized.

Submission

Prospective authors are invited to submit an extended abstract (3 pages) (in English only) using the online submission system.

Each submission should present clearly the novelty and significance of the contribution, a list of references, and any figures or tables. All information concerning abstract preparation and submission is available at:

<https://idaacs.hs-offenburg.de/>

A submission implies the commitment to register and present the work in case that the paper is accepted for presentation at the Conference. Papers published in previous IDAACS conferences have been published in IEEE Xplore, Web of Science – Conference Proceedings Citation Index- Science (CPCI-S) and Scopus.

Important Deadlines

abstract submission	April 15, 2016
notification of acceptance	May 15, 2016
camera-ready paper submission	June 15, 2016
early registration	June 15, 2016

Correspondance

The correspondence should be directed to IDAACS Local Organizing Committee.

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THE 3RD IDAACS SYMPOSIUM
WIRELESS SYSTEMS

WITHIN THE
IEEE INTERNATIONAL
CONFERENCE ON INTELLIGENT
DATA ACQUISITION AND
ADVANCED COMPUTING SYSTEMS:
TECHNOLOGY AND APPLICATIONS

(IDAACS-SWS 2016)



26.-27. Sep. 2016
Offenburg, Germany

organized by
Institute of Reliable
Embedded Systems and
Communication Electronics,
Offenburg University of Applied
Sciences
Germany

<http://idaacs.hs-offenburg.de/>

The main goal of the IDAACS conferences is to provide a forum for high quality reports on the state-of-the-art Theory, Technology and Applications of Intelligent Data Acquisition and Advanced Computer Systems as used in measurement, automation, and scientific research, in industry and in business. Rapid developments in these areas have resulted in more intelligent, sensitive, and accurate methods of data acquisition and data processing in manufacturing, in the environmental monitoring, in medical monitoring systems and in laboratory measurement equipment. Advanced methods have been developed to enhance the measurement of information for automation, in process inspection, quality control, diagnostics, and other processes.

The importance of IDAACS is its vision to establish scientific contacts between research teams and scientists from different countries for future joint research collaborations. This interaction is proved by the successful activity of the scientists after the first IDAACS 2001 Workshop, which was held in Foros, Crimea, Ukraine, with IDAACS 2003 in Lviv, Ukraine, IDAACS 2005 in Sofia, Bulgaria, IDAACS 2007 in Dortmund, Germany, IDAACS 2009 in Rende (Cosenza), Italy, IDAACS 2011 in Prague, Czech Republic, IDAACS 2013 in Berlin, Germany, and IDAACS 2015 in Warsaw, Poland.

Based on the long-standing success of the Special Stream Wireless within the IDAACS conference and the first two IDAACS Symposiums on Wireless Systems in Offenburg, Germany, in 2012 and 2014, the third separate IDAACS Symposium on Wireless Systems will be organized in Offenburg in September 2016.

The symposium will address researchers, industry professionals, and academics interested in the latest development and design of wireless systems, networks and applications. You are invited to submit papers in all areas of wireless communications, networks, services, and applications. Potential topics are solicited in, but are not limited to, the proposed tracks.

Track A: Wireless 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; cognitive and cooperative MAC
- security and safety with wireless systems
- wireless multicasting & routing
- localization for wireless networks
- antenna design and simulation
- ultra low power designs, incl. energy harvesting and energy autarky
- 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 and alike
- IEEE802.15.4 & ZigBee
- DECT & DECT ULE
- IPv6 for Wireless, 6LoWPAN
- Bluetooth
- narrowband long range technologies, like SigFox, Weightless, LoRa, LoRaWAN etc.

Track B: Wireless Network Architectures and Management

- 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

Track C: Wireless Services & Applications

- emerging wireless/mobile applications
- multimedia & SIP based service
- context and 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 smart meter and smart grid applications
- wireless for smart home and smart building applications
- integration of sensor-actuator-networks into Cloud-based services
- industrial applications (Industry 4.0)
- application layers for wireless networks
- wireless for machine-to-machine (M2M) applications
- cognitive radio and sensor-based applications
- wireless for emergency and security systems
- Business process for wireless applications and services
- Business models for wireless applications and services

It's our pleasure to invite the interested scientists to organize own tracks.