The 6-th International Workshop on Advanced Communication Technologies and their Applications to Intelligent transportation system, Cognitive radios and Sensor networks

(ACTICS'2017)

in conjunction with IMIS-2017, June 28th to June 30th, 2017, Cittadella Politecnica, Torino, Italy.

Call for Papers

Advances in Communication Technologies and their applications to vehicular communications for intelligent transportation systems, cognitive radio network for dynamic and efficient spectrum sharing, and sensor networks for sensing and monitoring applications have generated interest from both industry and academia. ACTICS'2017 will bring researchers and experts together to present and discuss the latest developments and technical solutions concerning various aspects of advances in communication technologies. ACTICS'2017 seeks original unpublished (both review/survey and technical) papers focusing on theoretical analysis, emerging applications, novel system architecture construction and design, experimental studies, and social impacts of communications technologies.

Topics of interest include but not limited to:
- Network architectures and protocols
- Mobility management and topology control
- Performance modeling and analysis
- Medium access control and routing protocols
- Information aggregation and dissemination
- Cognitive radio enhanced vehicular communications,
- Security, trust and privacy issues
- Applications, case studies, and real-world test beds
- Power aware and energy efficient design
- Remote sensing and monitoring (health care, space structure, environments, hazards etc.)
- Complexity analysis, self-organization/configuration, distributed co-ordination etc.
- Application of software defined radio in advanced communication systems
- Cross-layer designs and architectures
- Self-organizing networks and autonomic communications
- Ultra-wideband technologies
- Beam-forming and MIMO for interference avoidance in the CR context
- Biological-inspired networking
- Adaptive wireless communication systems
- Spectrum sensing techniques, spectrum efficiency and soft spectrum usage
- Parameter estimation for adaptation of wireless communication systems
- Network economics and game theory
- Interference mitigation and awareness
- Spectrum-management regulation and policy making
- Femto-cells
- such as IEEE 802.22, 802.19, 802.11n, 802.11p, etc
- Sensor Network, MANET, VANET and routing protocols

Submission

The authors are advised to submit their research paper following the Conference Publishing Service Manuscripts style: two columns, single-spaced, including figures and references, using 10 fonts, and number each page. Instructions for authors how to format the manuscript can be found at:

http://www.ieee.org/conferences_events/conferences/publishing/templates.html

The papers should not exceed 6 pages. They will be carefully evaluated based on originality, significance, technical soundness, and clarity of exposition. The papers, in pdf format, should be submitted electronically through http://www.easychair.org/conferences/?conf=actics2016. If there is any problem during submission, please contact the workshop chairs.

Accepted papers will be given guidelines in preparing and submitting the final manuscript(s) together with the notification of acceptance. Proceedings of the workshop along with the IMIS-2015 will be published by Conference Publishing Service (CPS).

Important Dates

- Submission Deadline: March 15, 2017
- Authors Notification: April 15, 2017
- Author Registration: April 25, 2017
- Final Manuscript: April 25, 2017
- Conference Dates: July 10-12, 2017

Organizing Committee
Workshop Co-Chairs

Prof. Bhed Bahadur Bista
Faculty of Software and Information Science
Iwate Prefectural University
JAPAN, 020-0693
bbb [at]iwate-pu.ac.jp

Prof. Danda B. Rawat
Department of Electrical Engineering & Computer Science
Howard University, Washington, DC 20059, USA
db.rawat[at]ieee.org

Technical Program Committee (TPC) Members

Chotipat Pornavalai, King Mongkut's Institute of Technology Ladkrabang, Thailand
Gongjun Yan, University of Southern Indiana, USA
Jiahong Wang, Iwate Prefectural University, Japan
Sachin Shetty, Tennessee State University, USA
Rajesh Kumar Sharma, Ilmenau University of Technology, Germany
Samy El-Tawab, James Madison University, USA
Shigetomo Kimura, University of Tsukuba, Japan