IEEE International Workshop on Advances in Software Defined Radio Access Networks and Context-aware Cognitive Networks 2015 (IEEE SDRANCAN-2015)

in conjunction with IEEE GLOBECOM 2015, San Diego, CA, USA, Dec 6 - 10, 2015

General Chairs

- **Jaime Lloret Mauri**, Polytechnic University of Valencia, Spain
- **Danda B. Rawat**, Georgia Southern University, USA

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- Kayhan Zrar Ghafoor, Univ. Teknologi Malaysia, Malaysia
- Sandra Sendra, Polytechnic University of Valencia, Spain
- Joel Rodrigues, University of Beira Interior, Portugall

Important Dates (Firm)

- Paper submission by: July, 1, 2015
- Author Notification by: Sept. 1, 2015
- Camera ready papers by: Oct. 1, 2015

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Workshop Paper Submission

EDAS Link will be provided soon

Future generation wireless systems will require a paradigm shift in how they are networked, organized, configured, optimized, and recovered automatically based on their operating situations. With the emergence of Software Defined Access Networks and Context-Aware Cognitive Networks (SDRANCAN), wireless users could get seamless wireless connectivity and services regardless of the frequency bands that they are using as a backhaul. Context-Aware cognitive networks provides dynamic adaptive services and applications for wireless users through automatic configuration of devices and their parameters, systems, and services based on the users' contexts. We believe that this workshop is important for future wireless networks and will help to bridge the gap between traditional wireless networks and future wireless networks through both software defined access networks and context-aware cognitive networks.

SDRANCAN-2015 will serve as a forum for researchers from academia, government and industries to exchange ideas, present new results and provide future visions on these topics. Original technical papers on the advances in Software Defined Access Networks and Context-Aware Cognitive Networks as well as those that describe practical deployment and implementation experiences are solicited for presentation and publication.

Topics of interest include but not limited to:

- Fundamental limits
- Network architecture
- Wireless virtualization, Network virtualization
- Software defined networks, OpenFlow Networking
- Cloud-based and/or wired infrastructure
- Cognitive vehicular ad hoc networks
- Network visualization
- Secrecy capacity and rate-equivocation of wireless channels.
- Admission control in heterogeneous networks
- Security and Network coding
- Storage and processing
- Quality-of-service
- Smart protocols
- Case studies and testbeds
- Cognitive and context aware cyber-physical systems
- Mobile and vehicular networks
- Data dissemination techniques in context-aware systems
- Trust, security and privacy issues
- Socio-economic models
- Self-organization, Self-configuration, Self-optimization and Self recovery
- Biological-inspired networking
- Network economics and game theory
- Interference mitigation and awareness
- Cognitive networks

The workshop accepts only novel, previously unpublished papers. All submissions should be written in English with a maximum paper length of six (6) printed pages (10-point font) including figures without incurring additional page charges (maximum 1 additional page with over-length page charge if accepted) http://globecom2015.ieee-globecom.org/authors