IEEE GlobalSIP

IEEE Signal Processing Society

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6th IEEE Global Conference on Signal and Information Processing

Anaheim, CA USA
November 26-28, 2018

Symposium on Green Communications and Networking

General Chairs:
Ender Ayanoglu, *University of California, Irvine*
Victor C.M. Leung, *The University of British Columbia*

Technical Program Chairs:
Zhi Ding, *University of California, Davis*
F. Richard Yu, *Carleton University*
Luca Chiaraviglio, University of Rome Tor Vergata

Industry and governments globally are committing greater resources to develop new technologies as part of the overall green strategies against climate change and to reduce greenhouse gas (GHG) emissions. Given the dominance of electricity consumption in ICT sector's GHG footprint, it is imperative to focus on energy efficiency and to utilize as much renewable power sources as possible. Moreover, green communications and networking technologies play another direct role in facilitating low GHG emissions of other industries, such as electricity grid, transport, buildings, manufacturing, etc. This symposium aims to bring together researchers and practitioners to discuss state-of –the-art developments and open research problems on topics including but not limited to:

- Signal, information processing, and data analytics for green communications and networking
- Energy efficiency and GHG emission metrics and measurements in communication networks
- Communication networks for smart grids
- Energy-efficient hardware, devices, designs, and experimental testbeds.
- Coordinated power and GHG emission control for network-wide optimization
- QoS provisioning and resource management in green radio networks
- MAC, routing and transport protocols for green communication networks
- Layer-transcending optimization of green communication networks
- End-to-end modeling and performance of green communication networks
- Security protocols for green communication networks
- Interdisciplinary research on green communications and networking

Paper Submission: Prospective authors are invited to submit full-length papers (up to 4 pages for technical content including figures and possible references, plus up to one additional optional 5th page containing only references) or extended abstracts (up to 2 pages, for paper-less Industry Presentations and Ongoing Work presentations) via the GlobalSIP 2018 conference website. Manuscripts should be original (not submitted/published anywhere else) and written in accordance with the standard IEEE double-column paper template. Accepted abstracts will not be indexed in IEEE Xplore, though the abstracts and/or the presentations will be included in the IEEE SPS SigPort. Accepted papers and abstracts will be scheduled in lecture or poster sessions. Accepted papers will appear on IEEE Xplore.

Important Dates:
➢ **June 17, 2018**:   Paper submission due
➢ **Aug. 7,   2018**:   Notification of Acceptance
➢ **Aug. 22, 2018**:   Camera-ready paper due.

For inquiries please contact: Ender Ayanoglu (ayanoglu@uci.edu), Victor C.M. Leung (vleung@ece.ubc.ca), Zhi Ding (zding@ucdavis.edu), F. Richard Yu (richard.yu@carleton.ca), Luca Chiaraviglio (luca.chiaraviglio@uniroma2.it)