

November 14 - 16, 2017, Montreal, Canada

<http://www.ieeeglobalsip.org/>

Symposium on Signal Processing for Smart Cities and Internet of Things Call for Papers

General Co-Chairs:

Konstantinos Plataniotis, *University of Toronto, Canada*

Petros Spachos, *University of Guelph, Canada*

Technical Co-Chairs:

Angelos Marnierides, *Lancaster University, UK*

Georgios Papadopoulos, *IMT Atlantique, Rennes, France*

Motivated by economic and technological changes, Smart Cities are being constructed upon intelligent infrastructures. Every day more computer-based devices are connected to the internet. These devices create great opportunities for more direct integration between the physical world and computer-based systems, in the smart cities. However, the more devices use the wireless medium the more challenges we experience. The Symposium on Signal Processing for Smart Cities and Internet of Things, will bring together researchers from academia and industry, to identify and discuss technical challenges, exchange novel ideas, explore enabling technologies, and report latest research efforts that cover a variety of topics. Topics of interest include but are not limited to:

- Signal processing theory and practices for the IoT
- Design and implementation of IoT signal processing systems
- Machine Learning for IoT applications
- Quality of Service mechanisms for wireless networks in smart cities
- Integration and co-existence of technologies and networks for smart cities and IoT
- Energy-aware wireless protocols and algorithms for smart cities and IoT
- Sensing technologies and applications for smart cities
- Wireless networks for smart city surveillance and management
- Security and privacy concerns in smart cities and IoT
- Application, deployment, testbed, and experiment experiences in smart cities and IoT
- Network and system infrastructure that supports smart cities
- Environment and urban monitoring
- Signal processing algorithms and platforms for IoT big data processing.
- Mobile crowdsourcing for urban analytics
- QoS and QoE of smart city systems, applications, and services
- Smartphone and mobile systems and applications
- Experimental network measurements and characterization for smart cities

Paper Submission: Prospective authors are invited to submit full-length papers (up to 4 pages for technical content including figures and possible references, and with one additional optional 5th page containing only references) and extended abstracts (up to 2 pages, for paper-less industry presentations and Ongoing Work presentations) via the GlobalSIP 2017 conference website. Manuscripts should be original (not submitted/published anywhere else) and written in accordance with the standard IEEE double-column paper template. Accepted full-length papers will be indexed on IEEE Xplore. Accepted abstracts will not be indexed in IEEE Xplore, however the abstracts and/or the presentations will be included in the IEEE SPS SigPort. Accepted papers and abstracts will be scheduled in lecture and poster sessions.

Important Dates:

- ❖ **May 15, 2017:** Paper submission due
- ❖ **June 30, 2017:** Notification of Acceptance
- ❖ **July 22, 2017:** Camera-ready papers due

For inquiries please contact: Petros Spachos at petros@uoguelph.ca