

## Signal Processing for Wireless Network Security

### General and Technical Program Chairs:

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With billions of people worldwide accustomed to daily, hourly or even constant use of wireless devices for a myriad of activities in their lives, wireless network security is among few areas of paramount importance in modern civilization. The Symposium on Signal Processing for Wireless Network Security is aimed to attract researchers from all backgrounds to come together to share their latest ideas and findings on this theme, and to promote rapid development of truly useful technologies for wireless network security.

All topics of signal processing methods and theories for wireless network security issues, such as authenticity, confidentiality, integrity and availability, are included. Physical layer security methods, upper-layer security methods as well as cross-layer security methods are all of interest provided there are sufficient signal processing components. Examples of such topics include: 1) wireless signature generation and identification, 2) wireless key generation and distribution, 3) wireless jamming and eavesdropping, 4) beamforming and artificial noise, 5) relays and cooperative nodes for secure wireless communications, and 6) physical layer security for 5G and beyond. Emerging approaches for wireless network security such as full-duplex radio and massive MIMO are welcome.

**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 2018 conference website. Manuscripts should be original (not submitted/published anywhere else) and written in accordance with the standard IEEE double-column paper template. The 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:

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

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