



# CALL FOR GENERAL SYMPOSIUM PAPERS

## IMPORTANT DATES

### CALL FOR PAPERS DEADLINES

**June 17, 2019**

Paper submission due

**July 15, 2019**

Notification of Acceptance

**August 15, 2019**

Camera-ready paper due

We invite symposium proposals for the 6<sup>th</sup> IEEE Global Conference on Signal and Information Processing (GlobalSIP) which will be held in Ottawa, Canada, on November 11-14, 2019. GlobalSIP is a flagship IEEE Signal Processing Society conference that focuses on signal and information processing with an emphasis on up-and-coming signal processing themes. The conference features world-class plenary speeches, distinguished symposium talks, tutorials, exhibits, oral and poster sessions, and panels. GlobalSIP is comprised of co-located General Symposium and symposia selected based on responses to the call-for-symposia proposals. Topics include but are not limited to:

## SYMPOSIUM CALL FOR PAPERS

### Machine Learning in Multimedia Communication

**General Chairs:** Sebastian Bosse (Fraunhofer Berlin), Johannes Balle (Google)

### Artificial Intelligence for Future Wireless Communication

**General Chairs:** Chuan Zhang (Southeast U, China), Jienan Chen (Shanghai U)

### Signal Processing Challenges in Modern Radio Astronomy

**General Chairs:** Gregory Hellbourg (Curtin U, Australia), Ian Morrison (Curtin U, Australia), Amit Mishra (U Cape Town), Gelu Nita (NJIT), Richard Prestage (U West Va)

### Deep Learning for Healthcare Engineering

**General Chair:** Zun Chen (USTC)  
**Technical Chairs:** Jane Wang (UBC), Shun Miao (PingAn U), Mehdi Moradi (IBM)

### Signal Processing Advances for Non-Orthogonal Multiple Access Schemes

**General Chairs:** Shahram Shahbazpanahi (OnTechU), Zheng Ma (KTH, Sweden), Dr. Octavia Dobre (Memorial University)  
**Technical Program Chairs:** Wen Chen (Shanghai Jiaotong U), Zhiguo Ding (Manchester U), Yan Chen (Huawei), Gang Liu (Southwest Jiaotong U)

### Graph Signal Processing

**General Chairs:** Gonzalo Mateos (U Rochester), Santiago Segarra (Rice), Sundeeep Prabhakar Cepuri (IISc)

### Advanced Bio-Signal Processing and Machine Learning for Assistive and Neuro-Rehabilitation Systems

**General Chairs:** Dario Farina (Imperial), Svetlana Yanushkevich (U Calgary), Konstantinos Plataniotis (U Toronto)

### Tensor Methods for Signal Processing and Machine Learning

**General Chairs:** Xiao Fu (Oregon State), Panos Markopoulos (RIT), Evangelos Papalexakis (UCR)

**Technical Chairs:** Fauzia Ahmad (Temple), Remy Boyer (U Lille), Andre de Almeida (U Ceara), Kejun Huang (UF), Dimitris Pados (FAU)

### Machine Learning, Optimization and Security for Future Energy Delivery Systems

**General Chairs:** Mahnoosh Alizadeh (UCSB), Josh Taylor (UofT), Anna Scaglione (ASU)

### Signal/Information Processing and AI for Finance and Business

**General Chairs:** Xiao-Ping Zhang (Ryerson), Kumar Bhasakaran (IBM Watson)

### Signal Processing for Human Machine Learning Systems

**General Chairs:** Aditya Vempaty (Xio Research), Bhavya Kailkhura (Lawrence Livermore), Pramod Varshney (Syracuse U)

**Technical Chairs:** Sijia Liu (IBM), Jayaraman Thiagarajan, (Lawrence Livermore), Qunwei Li, (Lawrence Livermore)

### Signal and Information Processing for Person-centered and Citizen-centered Smart Living

**General Chairs:** Sethuraman panchanathan (ASU), Abdulmoteleb El Saddik (U Ottawa)

**Technical Chairs:** Konstantinos Plataniotis (U Toronto), Anup Basu (U Alberta), Troy McDaniel (ASU), Hemanth Venkateswara (ASU)

### Intelligent Wireless Security Provisioning for 5G and Beyond

**General Chairs:** Xianbin Wang, (Western U), He Fang (Western U), Stefano Tomasin (U Padova)

### Machine learning for Wireless Communications, Networking, and Security

**General Chairs:** Silvija Kokalj-Filipovic (Perspecta Labs), Tim O'Shea (DeepSig & Virginia Tech, Yalin E. Sagduyu (Intelligent Automation), Yi Shi (Virginia Tech and Intelligent Automation), George Stantchev (NRL), Osman Yagan (CMU)

### Signal Processing and Machine Learning for Social Good

**General Chairs:** Daphney-Stavroula Zois (U Albany), Charalampos Chelmis (U Albany)

**Technical Chairs:** Theodora Chaspari (TAMU), Reihaneh Rabbany (McGill), Yasin Yilmaz (USF)

### Machine Learning for Rare Event Detection in Healthcare

**General Chairs:** Rafik Goubran (Carleton) and James R. Green (Carleton)

**Technical Chairs:** Adrian D. C. Chan (Carleton) and Roy Wang (Carleton)

## ORGANIZERS

### GENERAL CO-CHAIRS

**Fabrice Labeau**

McGill University, Canada

**Sreeraman Rajan**

Carleton University, Canada

### TECHNICAL PROGRAM CO-CHAIRS

**Bhaskar Rao**

University of California San Diego, USA

**Peter Willett**

University of Connecticut, USA

### FINANCE CHAIR

**Amir Banihashemi**

Carleton University, Canada

### PLENARY CHAIR

**Sumei Sun**

I2R, Singapore

### PANELS CO-CHAIRS

**Tim Davidson**

McMaster, Canada

**Eric Plourde**

Sherbrooke, Canada

### TUTORIAL CO-CHAIRS

**Dong Xu**

University of Sydney, Australia

**Miodrag Bolic**

### PUBLICITY CO-CHAIRS

**Lina Karam**

Arizona State University, USA

**Xiaolin Wu**

McMaster, Canada

### STUDENT PROGRAMS CO-CHAIRS

**Jean-Luc Dugelay**

Eurecom, France

**Paul Fortier**

Université Laval, Canada

### LOCAL ORGANIZING COMMITTEE CHAIR

**Richard Dansereau**

Carleton University