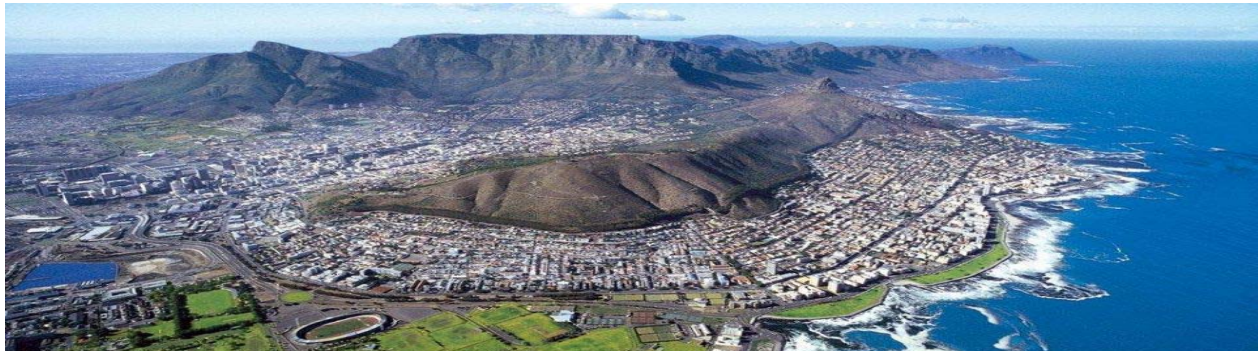




IEEE  
Signal Processing Society  
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**SiPS 2018**  
**Call for Special Sessions**  
IEEE Workshop on Signal Processing Systems  
Cape Town, South Africa, Oct. 21-24, 2018  
[www.sips2018.org](http://www.sips2018.org)



**Special session proposal submission deadline: April 1, 2018**  
**Special session proposal acceptance notification: May 1, 2018**

The SiPS 2018 Organizing Committee invites proposals for **Special Sessions** to be held during the *IEEE Workshop on Signal Processing Systems (SiPS) 2018* Cape Town, South Africa from 21<sup>st</sup> Oct. till 24<sup>th</sup> 2018 ([www.sips2018.org](http://www.sips2018.org)).

SiPS is a premier international forum for researchers and practitioners from industry and academia to exchange the latest scientific and technical advances in the area of design and implementation of signal processing systems. Special sessions are expected to complement the regular technical program by highlighting **timely and compelling** research topics or innovations of established approaches.

The theme of the conference this year is “**High-Performance Signal Processing for Learning, Sensing and Sustainability**”. Special session proposals in all areas of design and implementation of signal processing are welcome. We are particularly interested in research topics:

- Signal Processing Systems for Radio Astronomy
- Architectures for Machine Learning Algorithms
- Humanitarian technology for African Development
- Software/Hardware Based Design and Implementation Big Data Processing and Sensing
- Approximate/Error-Tolerant Design and Implementation for Signal Processing
- Design and Implementation of Bio-Inspired Networks
- Overcoming Challenges Preparing Next Generation Engineers (Panel Discussion Session)

The participation of speakers from industry and local communities in a special session proposal is encouraged and will be positively evaluated when the proposal is assessed. All papers will be subject to peer review process.

Special session proposals are accepted until **April 1<sup>st</sup>, 2018**. Notifications of acceptance will be made by **May 1<sup>st</sup>, 2018**. Please send special session proposals to the co-chairs listed below:

**Chuan Zhang, Southeast University – [chzhang@seu.edu.cn](mailto:chzhang@seu.edu.cn)**  
**Fred Nicolls, University of Cape Town – [fred.nicolls@uct.ac.za](mailto:fred.nicolls@uct.ac.za)**

Please submit proposals (approximately 3 pages) in pdf format by email to **both** the Special Sessions Co-Chairs. Proposal should include the following information:

1. **Title and abstract:** Propose a title and a brief abstract of no more than approximately 100 words that will allow conference attendees to understand the topic and the focus of the session.
2. **Rationale:** Please explain why the topic of the special session is novel and timely, why it is relevant to the SiPS 2018 and how it possibly fits within the innovation themes listed above.
3. **Proposed speakers:** Provide a list of all talks, speakers, and co-authors (in each associated paper). Technical sessions are normally expected to have 5 papers.