

# DSP 2018

## IEEE International Conference on Digital Signal Processing

19-21 November, Shanghai, China  
Convention Centre of Shanghai Tech

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## Call for Papers

The 23rd International Conference on Digital Signal Processing (DSP 2018), the original conference in the area of DSP, technically cosponsored by the IEEE, will be held in Shanghai, China. DSP 2018 had its genesis in London in 1967 and continued over the years to Florence, Nicosia, Lemessos, Santorini, Cardiff, Corfu, Hong Kong, Singapore, Beijing and London. In 2018 delegates will be brought right up to date in Shanghai, the most populous city proper in the world, with a population of more than 24 million as of 2014. The conference will contain special sessions, regular lecture and poster sessions, together with plenary sessions delivered by eminent scientists. Conference content will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.

IEEE DSP Conference has an excellent track record over the years for organizing Special Sessions in new or emerging areas. This year we are seeking innovative, high-quality and potentially interdisciplinary proposals for Special Sessions that complement the regular program of the conference. Special Sessions should be focused and provide both an overview of the state-of-the-art, as well as highlight the most promising research directions, trends and challenges in the proposed field of digital signal processing.

## Technical Scope

The focus will be on signal processing theory and applications. We invite the submission of original, unpublished technical papers on topics including but not limited to:

- o Audio and acoustic signal processing
- o Bioinspired Signal Processing
- o Communication signal processing
- o Compressive sensing, dictionary learning, and sparse reconstruction
- o Cooperative networking
- o Design and implementation of signal processing systems
- o Estimation theory and applications
- o Financial signal processing
- o Image and video processing
- o Information forensics and security
- o Language processing
- o Machine Learning
- o Medical signal and image processing
- o Multimedia signal processing
- o Multi-way signal processing
- o Nonlinear signal processing and adaptive filters
- o Quantum Signal processing
- o Radar and sonar signal processing
- o Signal processing for education
- o Sensor array and multichannel signal processing
- o Sensor networks
- o Signal processing applications
- o Signal processing theory and methods
- o Speech processing

## Important Dates

|                                 |                             |
|---------------------------------|-----------------------------|
| Regular paper submissions:      | 16 <sup>th</sup> April 2018 |
| Special session proposals:      | 16 <sup>th</sup> April 2018 |
| Special Sessions acceptance:    | 1 <sup>st</sup> May 2018    |
| Notification of acceptance:     | 16 <sup>th</sup> July 2018  |
| Camera-ready papers:            | 1 <sup>st</sup> August 2018 |
| Author/early bird registration: | 1 <sup>st</sup> August 2018 |

## Submission

Full detail of submission procedure is available at <http://dsp2018.org/home.asp>.

## Conference Secretariat

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