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2015 IEEE International Conference on Digital Signal Processing (DSP), initiated by Imperial College, London, and organized by IEEE Circuits and Systems Society Singapore Chapter, will be held in July 21-24, 2015 in Singapore. It is the longest in existence Conference in the area of DSP and belongs to a series of events, which commenced in London in 1968 and continued to Florence, Nicosia, Limassol, Santorini, Cardiff, Corfu, etc. The latest meeting took place in Hong Kong in August

DSP 2015 addresses the theory and application of filtering, coding, transmitting, estimating, detecting, analysing, recognising, synthesising, recording, and reproducing signals by means of digital devices or techniques. The term "signal" includes audio, video, speech, image, communication, geophysical, sonar, radar, medical, musical, and other signals.

Indicative topics of interest:

Biomedical Signal Processing

- Biomedical Signal and Image Processing
- Brain-Computer Interface
- Genomic Signal Processing
- Signal Processing in Genomics and **Proteomics**

Digital and Multirate Signal Processing

- Adaptive Signal Processing
- Digital and Multirate Signal Processing
- Digital Filter Design and Implementation
- Multidimensional Filters and Transforms
- Multiresolution Signal Processing
- Multiway Signal Processing
- Theory and Applications of Transforms
- Time-Frequency Analysis and Representation
- Statistical Signal Processing

Sensor Array and Multichannel Processing

- Array Signal Processing
- Signal Processing for Smart Sensors and Systems
- Compressive Sensing

Signal Processing for Communications

- Geophysical/Radar/Sonar Signal Processing
- MIMO Signal Processing

Signal Processing for Audio/Image/Video

- Audio/Speech/Music Processing & Coding
- Digital Photography
- HDR Imaging
- Image and Multidimensional Signal Processing
- Image/Video Indexing, Search and Retrieval
- Image/Video Compression and Coding Standards
- Image/Video Content Analysis
- Image/Video Processing Techniques
- 3D Image Processing and Applications
- Mobile Imaging and Image Quality
- Real-Time Signal/Image/Video Processing
- Video Surveillance and Transportation Imaging
- Digital Watermarking and Data Hiding

Other Areas and Applications

- Big Data
- Cognitive Signal Processing
- DSP Education
- Nonlinear Signals and Systems
- Information Forensics and Security
- Internet of Things (IoT)
- Social Signal Processing & Affective Computing
- Signal and System Modelling
- Signal Processing of Financial Data
- VLSI Architectures and Implementations for

The language of the Conference is English. Prospective authors are invited to electronically submit the full camera-ready paper. The paper must not exceed four (4) pages plus one (1) page references and should be written in English. Authors should indicate one or more of the above listed categories that best describe the topic of the paper, as well as their preference (if any) regarding lecture or poster sessions. Lecture and poster sessions will be treated equally in terms of the review process. Submitted papers will be peer-reviewed by experts in the field. All accepted and presented papers will be included in the Conference Proceedings and will be available on IEEE Xplore and EI Compendex. There will be best paper awards.

In addition to the technical program, a social program will be offered to the participants and their companions. It will provide an opportunity to meet colleagues and friends against a backdrop of outstanding natural beauty and rich cultural heritage in one of the best known international tourist destinations. For more information, please visit www.dsp2015.org

Important Deadlines

Submission of Special Session Proposal

Submission of full papers

Submission of Special Session papers

Notification of acceptance Submission of final papers

Author Registration Conference

Feb 9, 2015

Feb 16, 2015 March 2, 2015

March 2, 2015 March 16, 2015

Before April 13, 2015*

May 4, 2015

May 4, 2015 July 21-24, 2015

*Papers will be sent for review soon after submission. A decision will be made once it is possible to do so. Authors who submit early may receive decisions early.













