https://2023.ic-dsp.org/

DSP 2023

24th International Conference on Digital Signal Processing

June 11-13, 2023
Island of Rhodes · Greece

Honorary Chair
Anthony G. Constantinides, UK

General Chair
Athanassios N. Skodras, GR

General Co-Chair
Danilo Mandic, UK

Constantinides Track Chair
fred harris, US

Technical Program Chair
Adrian Munteanu, BE

Awards Chairs
Constantinos S. Pattichis, CY
Saeid Sanei, UK

Plenary Sessions Chair
Marc Antonini, FR

Special Sessions Chairs
Angelo Genovese, IT
Marios S. Pattichis, USA

Publicity Chairs
Efe Bozkir, DE
Dimitris Ampeliotis, GR
Melpomeni Dimopoulou, FR

Publications Chair
Vassilis Fotopoulos, GR

Industrial Liaisons
Ioannis Katsavounidis, US
George Lambropoulos, CA
Béatrice Pesquet-Popescu, FR
Mahsa Pourazad, UK
Andreas Spanias, US
Christian Timmerer, AT

International Liaisons
Jing Dong, CN
Alex Kot, SG
Vincenzo Piuri, IT
W. C. Siu, HK

Advisory Board
Moncef Gabbouj, FI
Kin K. Leung, UK
Thrasos Pappas, US

CALL FOR PAPERS

The 24th International Conference on Digital Signal Processing (DSP 2023), technically sponsored by IEEE[1], will be held in June 11-13, 2023 on the island of Rhodes, Greece. It is the longest in existence Conference in the area of DSP and belongs to a series of events that commenced from London in 1967 and continued to Florence, Nicosia, Limassol, Santorini, Cardiff, Corfu, Hong-Kong, Singapore, Beijing, and Shanghai. It returns back to Greece after ten years; DSP 2013 took place on Santorini island. It will bring together leading experts from academia and industry to share the most recent and exciting advances in the general area of digital signal processing and analysis.

DSP 2023 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 any other type of signal. This includes primarily those areas listed under all EDICS categories of the *IEEE Transactions on Signal Processing* and *IEEE Transactions on Image Processing*.

The program will include presentations of novel research theories / applications / results in lecture, poster and plenary sessions. Special Sessions organised by internationally recognised experts in the area constitute the basis of DSP conferences.

Topics of interest include, but are not limited to:

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 DSP

PAPER SUBMISSION

The language of the Conference is English. Prospective authors are invited to submit full-length papers (up to 4 pages for technical content including figures, tables, references and one optional 5th page containing references only). IEEE templates for the paper format, and "no show" policy apply. 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 at least two experts in the field. All accepted papers that have been presented, will be published in IEEE Xplore. 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, the Island of Sun, Rhodes.

IMPORTANT DATES
• Submission of full papers – March 11, 2023
• Notification of acceptance – April 11, 2023
• Author advance registration – April 22, 2023
• Camera-ready paper submission – May 11, 2023

IEEE GREECE SECTION   Imperial College London

---

[1] Approval in progress