



8TH International Conference on Control, Automation, and Diagnosis



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CALL FOR PAPERS SPECIAL SESSION ON

Recent Advances in Signal Processing

for ICCAD'24

May 15-17, 2024, Paris-France

Session Co-Chairs:

- Dr. **Mohguen Ouahiba**, Department of Electronics, LIS Laboratory, Faculty of *Technology* University Ferhat Abbas - Setif 1, wasotel@yahoo.fr , wahiba.mohguen@univ-setif.dz

Session description:

Signal processing is a vast and diverse field that constantly produces new discoveries, applications, and challenges in a wide range of industries and scientific applications (Telecommunications, Biomedical diagnosis, Mechanical diagnosis ,Speech and audio processing). Signal processing techniques such as **filtering**, **denoising**, **Fourier analysis**, **wavelet analysis**, **Empirical Mode Decomposition**, **time-frequency analysis**, and adaptive signal processing are essential in the extraction, analysis, and interpretation of signals. This special session focuses on recent advances in signal processing.

The goal is to provide an opportunity for the researchers to share recent advances in Signal Processing.

The topics of interest include, but are not limited to:

- Implementation of signal processing algorithms.
- Application of Signal Processing for Biomedical signal (EEG, ECG...).
- Signal processing in Mechanical Systems, especially for Fault Detection and Diagnosis.
- Signal processing algorithms based on Artificial Intelligence (AI) techniques and Machine Learning (ML) principles.
- Speech and Audio Processing.

SUBMISSION

Papers must be submitted electronically for peer review by: **December 15, 2023**

<https://www.iccad-conf.com/submission/>

All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).