



BACKGROUND

The 10th international school on signal processing and its applications (ISSPA'25), organized by the Signal Processing Laboratory (LTS) of École Militaire Polytechnique (EMP) – Chahid Abderrahmane Taleb, is a forum that convenes distinguished researchers, lecturers and postgraduate students from academic institutions, universities and industry partners, collaborating on the development of innovative applications of Digital Signal Processing. Initially, the ISSPA was introduced in 2004 with the mission of advancing signal processing research initiatives in developing countries, primarily prioritizing the Maghreb region. The inaugural session of the school was hosted by the École Nationale Polytechnique (ENP) in Algiers, Algeria, in 2004. Subsequent editions were convened across diverse locations: Mostaganem (2005), Jijel (2006), Boumerdès (2007), Kuala Lumpur, Malaysia (2008), Oran (2009), University of Guelma (2017), University of Annaba (2019) and ENP (2024). The school's academic agenda spans a broad spectrum of signal processing disciplines, including but not limited to advanced algorithmic methodologies, image analysis, and interdisciplinary applications.

The 10-th Edition

The 10th edition of this conference will be hosted by the École Militaire Polytechnique (EMP)– Chahid Abderrahmane Taleb – located in Bordj El Bahri, Algiers, Algeria. The focus of this edition will be on Communication and Sensing. Indeed, Joint Sensing and communications became in the last recent years one of the hottest topics in communications community.

Honorary Chair

A. SERIR, EMP, Algeria

General Chairs

A. MAALI, EMP, Algeria

M. BENSSALAH, EMP, Algeria

Steering Committee

A. BELOUCHRANI, ENP, Algeria

K. ABED-MERAIM, Orleans Univ., France

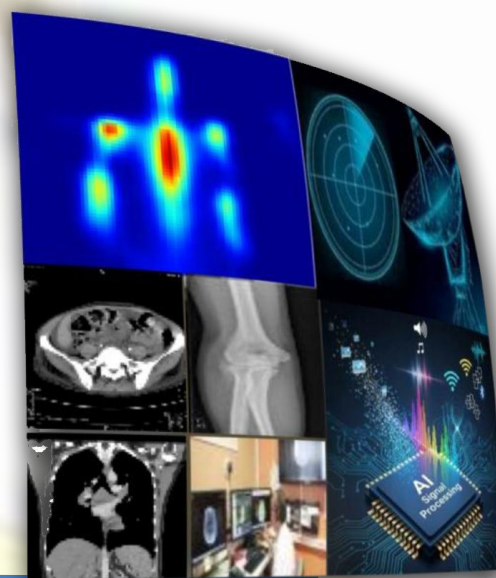
A. MESLOUB, EMP, Algeria

N. LASSAMI, EMP, Algeria

M. AZZOUZ, EMP, Algeria

I. BEGHOURA, EMP, Algeria

D. E. OULAHICINE, EMP, Algeria



PRELIMINARY PROGRAM: Speakers:

Speaker 1: Prof. Abdesselam BOUZERDOUM, Hamad Bin Khalifa University, Qatar

"Through-the-Wall Imaging"

Speaker 2: Prof. Karim ABED-MERAIM, Orleans University, France
"Extremely Large Antenna Arrays (ELAA) For 6G Communications & Sensing"

Speaker 3: Prof. Adel BELOUCHRANI, Ecole Nationale Polytechnique, Algeria
"How to conduct research in signal processing?"

Speaker 4: Prof. Mohammed Nabil EL KORSO, Paris Saclay University, France
"A Journey from Maximum Likelihood to Variational Auto-encoders, with a Stop at Expectation-Maximization Framework"

Speaker 5: Prof. Ammar MESLOUB, Ecole Militaire Polytechnique, Algeria
"Introduction to Ultra-Wide Band (UWB) signal processing"

Speaker 6: Prof. Abdelmadjid MAALI, Ecole Militaire Polytechnique, Algeria
"IR-UWB radar for human respiration detection: principles and application"

Speaker 7: Dr. Djamel TEGUIG, Ecole Militaire Polytechnique, Algeria
"Spectrum Sensing: Modeling, and SDR Implementation"

ISSPA Secretariat: Potential candidates should send their CV, together with their poster title and a brief abstract, to:

E-mail: isspa@emp.mdn.dz

Address: EMP, BP 17, Bordj El-Bahri 16111, Algiers, Algeria

Selected candidates should present their research Posters during the event.

Important dates:

First submission deadline

November 10, 2025

Acceptance notification

November 20, 2025

Full poster submission deadline November 30, 2025