

المدرسة العليا للأساتذة بسطيف
Teacher Education College of Setif
Messaoud Zeghar - مسعود زغار



Organize

The First international Conference on Algebraic Structures and Partial Differential Equations, October 28-29, 2025 | Sétif, Algeria

ICAPDE'2025



Site web: www.ens-setif.dz |

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Presidents of the conference

Honorary Chair: Pr. Ali Boukaroura

General Chair: Dr. Hadjer Adimi

Submission

First call: April 29th, 2025

Abstract submission Deadline: June 30th, 2025

Acceptance notification: September 10th, 2025

Conference Days: October 28-29th 2025

Topics

1. Algebra, Number Theory and Geometry
2. Non-associative Algebras and Representation Theory
3. Partial Differential Equations and Functional Analysis
4. Differential Equations and Dynamical Systems
5. Numerical Analysis and Computational Simulation



Objectives

The First International Conference on Algebraic Structures and Partial Differential Equations (ICAPDE' 2025) aims to advance research in both algebraic structures and Partial Differential Equations while exploring their fundamental connections. The conference will facilitate interdisciplinary dialogue between these fields, addressing theoretical developments and practical applications.

The conference will explore cutting-edge developments in algebraic methods - including symmetry groups, operator algebras, and non-associative algebras - alongside analytical and numerical approaches to PDEs, with particular attention to their applications in dynamical systems and mathematical physics. By bringing together algebraists and analysts, the conference seeks to stimulate new mathematical approaches, foster meaningful collaborations, and address contemporary challenges in pure and applied mathematics. The event will particularly highlight how algebraic methods can enhance PDE analysis while examining how PDE problems inspire new algebraic research directions.

Organizing Committee

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| Pr. Salah Mecheri | University of B.B.A, Algeria |
| Pr Mohamed Dalah. | University of Constantine, Algeria |



The conference will take place both in person at the venue and online via Google Meet.

