

Second Edition

Franco-Moroccan Mathematics Days

Mathematics for Everyone and everywhere

13-16 MAY 2025

Nonlinear Analysis and Applications

Mini Symposium

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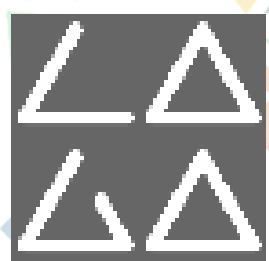
The main focus of this Mini-Symposium is on the discussion of recent methods and findings in the framework of nonlinear analysis, which plays a critical role in diverse scientific and engineering applications, such as wave propagation, structural mechanics, and material sciences. The session aims to encourage discussions on theoretical developments and computational strategies, and to facilitate collaborations. This mini-symposium will focus on contributions related to:

- Nonlinear Reaction-Diffusion-Convection Type Parabolic PDEs.
- Nonlinear and Non-Homogeneous Parabolic and Elliptic Problems.
- Applications of PDE in the field of physics, biology and engineering.
- Asymptotic analysis and behavior of solutions in singular limits.
- Basics of regularity theory of partial differential equations.
- Classification of Singularities in Nonlinear Degenerate Parabolic Equations.
- Delay equations analysis.
- Eigenvalue problems for partial differential equations.
- Equations in nondivergence form.
- Fractional Partial Differential Equations.
- Potential theory of elliptic and parabolic PDEs.
- Theoretical study of Inverse problems;
- Variational problems analysis.



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Laboratoire de Recherche
 Analyse numérique et
 Analyse non linéaire

