

F2MDD

Second Edition

Franco-Moroccan Mathematics Days

Mathematics for Everyone and everywhere

13-16 MAY 2025

Numerical Analysis and Optimization

Mini Symposium

Orgnizers: I. Jamiai, B. Jarmouni and H. Zitane

This mini-symposium will serve as a unique platform to share the latest research findings on the design and analysis of applied mathematics and computational methods. Our goal is to bring together students, engineers, industry professionals, government representatives, and academics to discuss recent advancements in modeling, simulation, and computational techniques. The event will focus on numerical analysis and its applications across diverse scientific fields, including healthcare, biology, physics, economics, natural disasters, and more.

We invite submissions on a wide range of topics, including but not limited to:

- Analytical and hybrid methods for design and optimization.
- Novel and efficient numerical methods for metamaterial analysis.
- Recent schemes for solving inverse problems.
- Numerical methods for fractional equations.
- Implementation and applications of Computational Fluid Dynamics models.
- Numerical analysis of industrial problems.
- High-performance computing techniques.
- Convex and non-convex optimization methods.
- Large-scale optimization techniques.