



**Second Edition**

# Franco-Moroccan Mathematics Days

Mathematics for Everyone and everywhere

**13-16 MAY 2025**

**Mathematical Modeling and Machine Learning**

**Mini Symposium**

Orgnizers: M. El Annas, A. El Ouissari and F. Harchli

This scientific conference provides a formal platform for researchers to explore the latest mathematical developments applied to machine learning and artificial intelligence. It provides an opportunity for student researchers specialized in mathematics applied to AI and machine learning to present the latest scientific developments, exchange insights, and benefit from the expertise of distinguished national and international scientists in this field. Topics of interest include, but are not limited to

- Fundamentals of Machine Learning Theory
- Optimization in Machine Learning algorithms
- Natural Language Processing
- Computer Vision
- Theory and models of Artificial Neural Networks
- Graph Neural Networks
- Actuarial and Financial Modelling
- Deep Learning and Scientific Computing
- Machine Learning in Financial, economical and Environmental Modeling
- Mathematical Modelling in Healthcare and Climate-Resilient Agriculture
- Graph Models in machine learning