

Preface

The IAM conference stands as a premier platform for advancing research in Informatics and Applied Mathematics. The 7th edition, organized and sponsored by the LabSTIC Laboratory, is hosted at the University of 8 Mai 1945 in Guelma, Algeria. Continuing the legacy of its predecessors—IAM'18, IAM'19, IAM'20, IAM'21, IAM'22, and IAM'23—IAM'2024 offers a distinguished international forum that fosters collaboration among early-career and seasoned researchers, scientists, and practitioners. This event serves as a venue for proposing innovative ideas, presenting research contributions, and exchanging experiences and insights on a wide array of topics within the domains of Informatics and Applied Mathematics.

In addition to facilitating scholarly discourse, IAM'2024 provides an exceptional platform for researchers, educators, and industry professionals from diverse fields to explore foundational roles, examine recent innovations, discuss emerging trends, and address practical challenges. Topics of discussion include, but are not limited to:

- Artificial Intelligence
- Machine Learning & Big Data
- Image & Video Processing
- Internet of Things (IoT)
- Cloud Computing & Networking
- Information Security & Cryptography
- Mobile Computing
- Web Services & Technology
- E-learning & ICT in Education
- Computational Biology & Bioinformatics
- Optimization & Operational Research
- Information Theory
- Computational Intelligence
- Computational Complexity
- Numerical Analysis & Simulation
- Statistical Computation & Simulation

The program for the 7th edition features a mix of theoretical research and practical applications, encompassing techniques and methodologies from the conference's diverse thematic scope. We extend our heartfelt gratitude to all the authors for their contributions, the invited speakers for their valuable insights, the program committee members for their diligent reviews, and the organizing committee for their unwavering commitment to the success of this event.

IAM 2024
Conference Chair
Pr Zineddine KOUAHLA