# AI & ML in Economics & Finance 2025
## Special Session on AI & ML in Economics and Finance

at the **2nd IEEE Afro-Mediterranean Conference on Artificial Intelligence** (**2025 IEEE AMCAI**)
Valenciennes, France, October 14-16, 2025
Conference website: https://amcai-atia.tn/

## Special Session Organizers

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## Objectives and topics

This special session aims to bridge the gap between theoretical development and practical implementations of Artificial Intelligence (AI) and Machine Learning (ML) in

the field of economics and finance. The session provides a platform to present cutting-edge research, innovative applications, and real-world case studies that illustrate how AI and ML are transforming financial decision-making, risk management, fraud detection, portfolio optimization, and economic forecasting.

This special session aims to highlight real-world applications of AI and ML by showcasing how these technologies effectively address complex challenges in economics and finance. It seeks to foster interdisciplinary collaboration by bringing together academics, professionals, and policymakers to ease the translation of innovative research into practical solutions. Additionally, the session presents cutting-edge research, providing a platform for state-of-the-art methodologies and successful case studies that demonstrate the tangible benefits of AI and ML in economic and financial sectors. Finally, it discusses critical challenges, addressing ethical, regulatory, and data privacy concerns to ensure that AI/ML advancements are both responsible and sustainable.

The scope of the Special Session AI / ML in Economics & Finance 2025 includes, but is not limited to the following topics:

- AI and ML techniques in risk assessment and management

- Detecting Misleading Patterns in Fraud and Financial Surveillance

- ML techniques to detect suspicious transactions, credit card fraud, …

- Using AI and ML techniques for unveiling myriad forms of misleading information in social media

- Portfolio optimization and predictive modeling through machine learning

- Economic fore/nowcasting and decision support systems powered by AI

- Integration of AI with financial technologies (FinTech) and financial inclusion

- Case studies demonstrating successful implementations of AI/ML solutions

- Policy and regulations towards ethical AI/ML applications

- Sustainability in AI-Powered Financial Surveillance

- AI towards SDGs

## Important dates

Paper Submission Deadline: April 15, 2025
Authors Notification: June 15, 2025
Camera Ready and Registration: July 05, 2025
Conference date: October 14-16, 2025

## Program Committee

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## Submission

All contributions should be original and not published elsewhere or intended to be published during the review period. The contributions should address research questions that relate to one of the topics listed above.

Authors are invited to submit their papers electronically in pdf format, through EasyChair at https://easychair.org/conferences/?conf=amcai2025 . All the special

sessions are centralized as tracks in the same conference management system as the regular papers. Therefore, to submit a paper please activate the following link and select the track: ***Special_Session_Abbreviation_Name 2025: Special Session on Name.***

Manuscripts should be prepared in 10-point font using the IEEE 8.5" x 11" two-column conference format

Submitted regular papers are written in English, between 6 to 8 pages (including all figures, tables, and references).

Submissions not following these guidelines may be rejected without review. Also, submissions received after the due date, exceeding the length limit, or not appropriately structured may also not be considered.

To ensure high quality, all submissions are blind peer-reviewed by at least three reviewers from the ***Special_Session_Abbreviation_Name 2025 Program Committee***.

All accepted papers must be presented by one of the authors who must register for the conference and pay the fee.

All accepted and presented papers will be submitted to IEEE Xplore for inclusion.