

| About the Conference

3rd International Conference on Computational and Data Sciences in Economics and Finance (CDEF 2025)

Overview

With the recent development of informatics and AI technologies, they now play a key role in financial markets and economics. For example, for analyzing a large amount of financial information, computational informatics is necessary to handle them. Moreover, artificial market simulations, computational economics, natural language processing including large language models for finance and economics, and deep learning applications for many financial-related and economics-related challenges are also popular. More recently, alternative data exploration for wider informatics approaches is also gaining popularity in the financial and economic industries. Those new technologies have been developed not only by academic researchers but also by market participants. For more development, the collaboration of many participants having various backgrounds is now necessary. In this conference,

Important Dates

 **JUL 13** **CONFERENCE DATE**
July 13-19, 2025

we aim to give them the specialized opportunity to gather and discuss new challenges in finance and economics.

Topics of Interest

Informatics Models and Applications:

Agent-Based Modelling and Simulation in Finance/Economics

Social Simulation involving Finance/Economics

Machine Learning in Finance/Economics

Deep Learning in Finance/Economics

Neural Networks in Finance/Economics

Data Mining in Finance/Economics

Text Mining in Finance/Economics

Large Language Models in Finance/Economics

Big Data in Finance/Economics

Probabilistic Modeling in Finance/Economics

Fuzzy in Finance/Economics

Time-series Analysis in Finance/Economics

Evolutionary Computation in Finance/Economics

Semantic Web and Linked Data in Finance/Economics

Gama Theory in Finance/Economics

Optimization in Finance/Economics

Informatics Application in Finance:

Trading

Hedging

Asset allocation

Portfolio optimization

Risk Management

Financial Analytics

Behavioural finance

Evolutionary finance
Cryptocurrencies

Informatics Application in Economics:

Computational Economics

Market Modeling

Agent-based simulation for Economic Decision

Alternative data

Informatics Application in Business:

Business analytics

Recommender systems

E-commerce

Advertising and marketing

Crowds and market models


Demand forecasting Distribution and supply chain


TOPICS OF INTEREST


4 topics

Research papers are invited in, but not limited to, the following areas:

 Data Science & Analytics

 Mathematics & Statistics

 Artificial Intelligence & Machine Learning

 Business & Management