

Special Issue

Artificial Intelligence Techniques in the Financial Services Industry

Message from the Guest Editor

In the modern era of technology, artificial intelligence (AI) has come to have a significant effect on the financial services sector, and with the advent of innovations involving AI, data have become the most vital resources in a financial services organization. AI encompasses a range of methods that serve to increase the financial industry's efficiency overall, such as machine learning (ML), natural language processing (NLP), and image recognition (IR). In the financial sector, artificial intelligence and machine learning serve various purposes, from workforce automation and financial crime detection to customer service via chatbot assistants. Corporations are embracing AI at a faster pace, redefining processes such as performance assessment, budgeting, data analysis, and attending to clients, given that AI is capable of assisting financial companies in the decision-making process by processing and interpreting data in real time. Insurance providers are utilizing artificial intelligence at an increasing rate to streamline operations across fields such as intelligent underwriting, price optimization, or claims processing.

Guest Editor

Prof. Dr. Ștefan Cristian Gherghina

Department of Finance, Faculty of Finance and Banking, Bucharest
University of Economic Studies, 010552 Bucharest, Romania

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Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University,
The Gateway, Leicester LE1 9BH, UK

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