EDITORIAL

Inaugural Editorial for the *Journal of FinTech and Financial Engineering*

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Journal of FinTech and Financial Engineering is a peer-reviewed international journal devoted to the dissemination of advanced research in the fields of financial mathematics and financial technology. We encourage the implementation of new technical methods/solutions in the financial industry and the development of new models and approaches in financial engineering and FinTech. Our novel publishing endeavor is motivated by the increasing utilization of quantitative methods for the design of innovative financial instruments, a flurry of interest in FinTech solutions to decision-making problems, as well as inspired by the perplexity of structured financial products, models and the large-scale approaches required to handle vastly big data sets in the industry.

The purpose is to publish innovative, original and high-standard papers on models and paradigms stemming from fields such as probability theory, stochastic calculus, statistics and econometrics, differential equations, control systems both in discrete- and continuous-time, as well as from new approaches based on operations research, artificial intelligence, machine learning, complex systems science, econophysics, nonlinear chaotic dynamics, behavioral models, statistical mechanics, blockchain and DLT technologies in FinTech & financial artificial intelligence (FinAI), innovative financial instruments, mathematical physics and its applications to complex structured products and derivatives markets, and novel techniques in financial risk measurement.

Contributions should be original research papers demonstrating the relevance and applicability of solutions to issues within the financial industry worldwide, both for developed and emerging markets, targeting academics and industry practitioners. The journal welcomes original research articles that reflect the empirical practicality of financial engineering and FinTech technology via the use of modern statistical, applied and theoretical mathematical tools. Some topics include (but are not limited to) novel asset pricing modeling, computational and mathematical finance, decision support systems for financial decision making and FinTech applications, nowcasting and forecasting econometric models, hedging and complex trading strategies, fixed-income and exotic derivatives, investment appraisal, operations research, behavioural finance models, artificial intelligence and machine learning modeling, big data science, risk management and advanced risk measurement approaches.

The journal aims to provide a high-impact platform for the publication of original theoretical developments, methodological innovations, and practical applications emphasizing interdisciplinary approaches, in order

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to bridge fundamental research and real-world applications across and beyond traditional topical field domains in finance and economics. We cover a broad spectrum of applications from industry, government, and academia.

All submissions undergo a rigorous peer-review process to ensure scientific rigor, technical soundness, and relevance to the field. The journal publishes empirical and theoretical studies with a focus on novelty and effectiveness. Submissions must be novel, technically sound, and clearly presented. We accept both regular papers, empirical and theoretical, and brief communication letters. In addition, survey articles and discussion papers are welcome. Authors are strongly encouraged to make their datasets and code publicly accessible via a repository of their choosing. Please see our guide for authors for information on article submission.

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Conflicts of Interest

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Ethical Approval and Consent to Participate

Not applicable.

Professor Dr. Stelios Bekiros obtained a Dipl.-Ing / BEng and an MEng in Electrical and Computer Engineering (spec. Artificial Intelligence, Software Engineering, Control Systems) from National Technical University of Athens (NTUA). He also holds an MSc in Decision Sciences (spec. Statistics, Financial Engineering, Operations Research and Computer Science) and a PhD in Big Data Science and Machine Learning Econometrics from Athens University of Economics and Business (AUEB). He has more than twenty five years of postdoctoral research and teaching experience in many distinguished universities, centres and research institutions, mainly in the Netherlands, Italy, France, UK and Greece. He was a faculty member/research fellow at the European Institute for Statistics, Probability, Stochastic Operations Research and its Applications (EURANDOM) Technical University of Eindhoven, at the Center for Nonlinear Dynamics in Economics and Finance (CeNDEF) of the Faculty of Economics and Econometrics of the University of Amsterdam, at the Department of Economics of the European University Institute (EUI) in Florence Italy, at the Hellenic Ministry of Finance, at the Centre of Planning and Economic Research (KEPE), at the IPAG Business School in Paris France, and at the Decision Support Systems Laboratory of the National Technical University of Athens.

He has been awarded numerous prestigious Grants including the Max Weber Fellowship – the largest postdoctoral programme in the social sciences in the world hosted by the EUI and funded by the European Commission (DG Education) – three MSCA Fellowships & Awards for pioneering work in multidisciplinary research, many national grants/awards by the EU, NWO, RC-AUEB/GSRT, whilst he was appointed Scientific director of European EC projects (FP-7, H2020) in many universities and institutions. (Email: stelios.bekiros@unito.it, stelios.bekiros@um.edu.mt, stelios.bekiros@eui.eu)