



## Call for papers

### Computational Financialization: Fintech, Business Intelligence and blockchain

Computational financialization is a term to describe the financial services delivered by information technologies. This has been used in many aspects, such as investment, trading, forecasting, derivatives and any other forms of financial services. Amongst financialization, fintech, business intelligence and blockchain are regarded as the promising and futuristic of modern financial services, with reasons as follows. Fintech provides technological support for high-frequency trading, investment analysis, forecasting and risk analysis. Business intelligence provides real-time calculations and analytics to present results for trading, investment, forecasting and risk analysis in real-time. Blockchain is a modern and futuristic financial service that provides trusted cryptocurrency and prevention of fraud and money laundry. Other forms of computational financialization and financial services such as analytics, risk analysis, new financial models, high-frequency trading, automation with computational finance, new algorithms and AI for finance are also welcome. Therefore, fintech, business intelligence blockchain and emerging fields can form the core part of computational financialization.

In this call, we seek high-quality and unpublished work in quantitative and computational financialization and related areas, demonstrating both research contributions and solving of real-world problems. Recommendations, solutions, prototypes, proofs-of-concept, real-life case studies, services and best examples are also welcome. We also select authors of top papers from IoTbDS 2022 <http://iotbds.org/>, COMPLEXIS 2022 <http://www.complexis.org/>, FEMIB 2022 <http://femib.scitevents.org/> and IIoTBSDC 2022 <http://iiotbdsc.com/> will be invited. We also welcome unpublished and high-quality open-ended paper submission to our special issue.

#### Topics

Submissions could consist of theoretical and applied research in topics including, but not limited to:

- Financialization with real-world examples, demonstrations and services
- Financialization with a summary of contributions from computational finance, analytics, or new financial models.
- High-frequency trading and real-time calculations in trading
- Accurate forecasting of expected and actual financial assets
- Large scale simulations involved with supercomputers or Cloud/Edge/Fog computing
- Risk analysis, modeling and simulations
- Business intelligence with trading, risk, forecasting and/or analytics
- Business intelligence with large scale simulations with Cloud/Edge/Fog computing
- New algorithms, algorithmic development and automated trading
- Integration of different financial for improved performance, accuracy and security
- Financial analysis, modeling and simulations for blockchain
- Real-world problems and solutions demonstrated by blockchain

- Smart and intelligent services for fintech, business intelligence and blockchain
- Other disciplines with real-world solutions for fintech, business intelligence and blockchain
- Futuristic and evolutionary financial services
- Big data analysis and modeling of well-known financial and mathematical models
- Real-world case studies and solutions in fintech, business intelligence and blockchain

### **Important Dates:**

Submission deadline: December 30<sup>th</sup>, 2022

Pre-screen deadline: January 15<sup>th</sup>, 2023, or as soon as possible after you submit

Review deadline: March 30<sup>th</sup> 2023

Notification: April 16<sup>th</sup> 2023

Revision deadline: June 30<sup>th</sup> 2023

Acceptance deadline: August 16<sup>th</sup> 2023

Production: Winter 2021 or Spring 2023

### **Submission Instructions**

The special issue (SI) seeks submission of papers that present novel original results and findings on Financialization: Fintech, Business Intelligence and blockchain. Solicited original submissions must not be currently under consideration for publication in other venues. Author guidelines and submission information can be found at Expert Systems, Wiley. All manuscripts should be submitted through portal and select our SI theme. Each paper will be reviewed rigorously, and possibly in two rounds, i.e., minor/major revisions will undergo another round of review. Prospective authors are invited to submit their papers directly via the online submission system at <https://submission.wiley.com/journal/exsy> for this special issue: **Financialization: Fintech, Business Intelligence and blockchain**.

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