

## **Fourth International Conference on Science & Technology Metrics**

**(STMet 2023)**

**November 13-14, 2023**

**BITS Pilani Dubai Campus. UAE**

**([www.socio.org.uk/stm](http://www.socio.org.uk/stm))**

### **CALL FOR PAPERS**

The growth of global networks and data-driven analyses have greatly fostered the evolution of business and economic services with e-mode operations in the past few decades. The recent advances in cloud environment, economic indicators, artificial intelligence and risk management have driven the development of the next generation of economic services featuring resilient, scalable, reliable, and intelligent services across diverse global institutions. The spurt in volume and size led to several challenges.

Firstly, the broad adoption of many business and economic platforms leads to massive and heterogeneous economic data, which brings enormous value and technical challenges. Secondly, decentralising economic services creates challenges in reliable and secure services. Specifically, existing information granaries across different financial services institutions also deteriorate this situation. Thirdly, it is a big task to implement resilient, scalable, and automatic financial services. Moreover, the recent advent of big financial data processing also brings the potential to develop traceable and reliable financial services. Thus, fusing the above technologies to accelerate data-based intelligent financial services becomes a trend.

The global economy has recently witnessed significant structural changes that have profoundly impacted how prices are determined on the market.

Events like market liberalization, adoption of cost-efficiency regulation, increased production from large businesses and economic data have made the demand and supply less predictable and the prices more volatile. Accurately modelling and forecasting financial demand and prices have become paramount to financial management groups and financial analysts focusing on the economic sector. The statistical features of financial data, which follow periodic patterns and exhibit spikes, non-constant means and non-constant variances, render forecasting and modelling economic data somewhat an uphill task.

Researchers autonomously conduct financial and economic analyses. Researchers can evaluate which economic analysis model is more appropriate to the task and the robustness of the results obtained.

At this conference, the themes focus on society's unique challenges and will present novel solutions for optimizing collaborative and forecasting models. More specifically, we aim to welcome papers in the following areas:

- Ranking of Journals, Institutions, and Countries
- Science, Innovation and Economic Performance
- Scientific Collaboration and cooperation analysis
- Data Science and Digital Repositories
- Databases and datasets for evaluation
- Translating Metrics to Science Policy
- Open access and open publishing
- Evaluation Tools and Indicators
- Discipline and Domain Analysis
- National Evaluation Systems
- New indices for evaluation
- Scientific Visualization
- e-Science in the Cloud
- Scientific Journalism

- Scientific Publications
- Research Data Access
- Co-working in Science
- Future S & T Policies
- Public Research Systems
- Evaluation beyond Metrics
- Scientific Knowledge Diffusion
- Web-based metrics
- Citation-based metrics
- Economic factors
- Web-based metrics
- Visibility and impact
- Internationalization
- Text-based Metrics
- Innovation indicators
- Wearable Devices
- Open data
- Altmetrics

All submitted papers will be reviewed by a double-blind (at least three reviewers), and participative peer review. The review process

will enable the selection process of those accepted for their presentation at the international conference. Authors of accepted papers

who registered in the conference can access the evaluations and possible feedback provided by the reviewers who recommended the acceptance of their papers, so they can improve the final version of their papers accordingly. Mentoring support is available to young researchers and authors from developing countries.

Selected post-conference modified versions of the papers will be published in the following journals.

1. International Journal of Computational Linguistics Research
2. Research in Production and Development
3. Journal of Digital Information Management
4. Frontiers in Research Metrics and Analytics

### **Program Committees**

#### **Honorary Chair**

Srinivasan Madapusi, BITS Pilani, Dubai

#### **General Chair**

Grant Lewison, King's College, UK

#### **Program Chairs**

Pit Pichappan, Digital Information Research Labs, India & UK

Ramesh Kundra, NISTADS, India

Valentina Markusova, All Russian Institute for S&T Information (VINITI), Russia

#### **Program Co-Chairs**

Amir Reza Asnafi, Shahid Beheshti University, Iran

Kazuyuki, Motohashi, University of Tokyo, Japan

Andrei Grinev, Saint-Petersburg State Polytechnic University, Russia

### **Workshop and Special Session Chair**

Ulle Must, Estonian Research Council at Archimedes, Estonia

#### **Accommodation**

We will fix hotels near the venue for the participants. We will update it shortly. Accommodation is also available at the host institution, including food. The fee for accommodation and food will be 150 UAE dirhams (40US\$/3300 INR) per day.

### **Keynote Speakers**

Grant Lewison, Kings College, UK

Topic: Sex Variation of Biomedical Researchers in the MENA (Middle East and North Africa)

Giovanni Abramo, National Research Council of Italy, Italy & ISSI President

Topic: The fundamentals of heterodox evaluative scientometrics

Ulle Must, Estonia

Topic: update shortly

Valentina Markusova

Topic: update shortly

### **Important Dates**

Submission of papers	September 25, 2023
Notification	October 25, 2023
Camera-ready (post-conference version)	January 05, 2024 (Final)
Registration	November 05, 2023
Post-conference version submission	January 10, 2024 (Final)
Conference Dates	November 16-17, 2023

**Paper Submission at:** <https://socio.org.uk/stm/paper-submission/>

**Contact:** [stm@socio.org.uk](mailto:stm@socio.org.uk)