

(apologies for cross-posting)

## **ECONOPHYSICS COLLOQUIUM**

October 27 - 28, 2021

A Colloquium Satellite of the  
Conference on Complex Systems 2021

To be held in Lyon, France

EC2021 will include a Special Session Honoring Gene Stanley's 80th birthday

**<https://econophysics.ihu.gr/ec2021>**

Submission deadline (for 1-page abstracts): August 1, 2021

Acceptance notification: August 21, 2021

This colloquium is the next in the series that were previously held in Singapore (2019), Palermo (2018), Warsaw (2017), Sao Paolo (2016), Prague (2015), Tokyo (2014), etc.

Topics of interest in this meeting include but are not limited to any subject of the use of Physics methodologies to problems in Economics:

- Agent-based models in economics and finance
- Big Data mining and analysis in socio-economic systems
- Computational and experimental finance
- Derivative pricing, financial engineering, and hedging strategies
- Evolutionary game theory and evolutionary economics
- Financial bubbles and regime shifts in economic and social systems
- Fractal and multifractal analysis and modeling
- Information filtering from multivariate variables
- Market dynamics, macroscopic models, and prediction
- Market microstructure

- Networks and multilayer networks in economics and finance
- Non-additive entropy and non-extensive statistical mechanics in socio-economic systems
- Opinion dynamics
- Random matrix theory applications in finance
- Social mobility and economic inequality
- Sociophysics ideas in Econophysics
- Statistical and probabilistic methods in economics and finance
- Stylized facts
- Systemic risk and risk management
- Financial technology
- Sharing economy
- Cryptocurrencies
- Machine learning and artificial intelligence
- Economic complexity

**INVITED SPEAKERS:**

Already committed invited speakers include:

H. Aoyama, R. Arcucci, G. Caldarelli, Y. Fujiwara, G. Iori, R. Mantegna, L. Piertronero, A. Rapisarda, S. Thurner, M. Tumminello, V. Yakovenko, A. Zaccaria

**CONTRIBUTIONS:**

Please submit an Abstract 1-page about published or unpublished research. A template for the abstract is provided in the Colloquium website listed above (<https://econophysics.ihu.gr/ec2021>)

**SUBMISSION WEBSITE:**

[https://easychair.org/account/signin\\_timeout?l=HPoiCIEKVUDy8HAzbszT6K#](https://easychair.org/account/signin_timeout?l=HPoiCIEKVUDy8HAzbszT6K#)

**PC-CHAIRS:**

Tiziana Di Matteo, King's College London, UK

Irena Vodenska, Boston University, USA

Lykourgos Magafas, International Hellenic University, Greece

Panos Argyrakis, Aristotle University of Thessaloniki, Greece

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