



SUMMER SCHOOL IN

Economic, Social and Financial Networks (ESFN)

Sapienza University of Rome — Building CU002 (Ex Scienze Politiche)

4th—6th September 2023

AIM OF THE SCHOOL

The school's aims are twofold. First, it aims at presenting a comprehensive view of the theoretical aspects of network theory, including graph theoretical concepts, **probabilistic** approaches, and combinatorial methods. The second aim is to present the effectiveness of such an approach to social, economic and financial systems, including systemic risk, polarization in social media, and financial time series.

UNIT LEADERS

- **Guido Caldarelli** (Università Ca' Foscari Venezia) — *Financial networks*
- **Roberto Casarin** (Università Ca' Foscari Venezia) — *Network extraction and modelling*
- **Fabrizio Lillo** (Alma Mater Studiorum – Università di Bologna) — *Statistical and probabilistic models of static and temporal networks*
- **Rosanna Grassi** (Università di Milano-Bicocca) — *Network structures and topological indicators*
- **Walter Quattrociocchi** (Sapienza Università di Roma) — *Networks and echo chambers: polarization dynamics on social media*
- **Michele Tumminello** (Università di Palermo) — *Combinatorics and networks for the empirical analysis of financial time series*

IMPORTANT DATES

- **20th July:** application deadline (limited availability on the basis of first come first served)
- **25th July:** notification of acceptance
- **30th July:** deadline for registration and payment

HOW TO APPLY

Send your candidature along with your Curriculum Vitae to Roy Cerqueti (roy.cerqueti@uniroma1.it) and Fabrizio Lillo (fabrizio.lillo@unibo.it)

PROGRAM FEE (including all coffee breaks and light lunches)

- **€250** for non-AMASES members (includes AMASES membership)
- **€225** for AMASES members

For further information, please visit the website:

<https://www.amases.org/amases-summer-school-2023/>