

Università degli Studi di Brescia
Dipartimento di Economia e Management (DEM)

SUMMER SCHOOL 2023

Agent-Based Models for Economics, Finance and Climate Change

Brescia, 17-21 July 2023

The Summer School will be held at the headquarters of the Department of Economics and Management in Brescia and has the purpose of providing an introductory preparation on Agent-Based models. The Summer School will offer an applied and interdisciplinary perspective, with particular regard to the issues of financial, industrial, macroeconomic and climate change dynamics. Teaching will take place through the combination of theoretical lessons and laboratory sessions using simulation software (R and/or Matlab).

Lecture topics will include will include:

- Introduction to Agent-Based Models (ABMs): methodological foundations;
- Financial markets, and financial regulation;
- Industrial dynamics, and technological change;
- Macroeconomic dynamics, fiscal and monetary policies;
- Climate change, and energy transition policies.

The ideal candidates for the School are students in possession of at least a three-year Bachelor degree in Economics or Engineering, and students who are enrolled in a master's degree at the University of Brescia are admitted to the course.

People interested in participating in the Summer School are encouraged to fill in the on line application form (<https://forms.gle/dsmt2v723LiR7cJe7>). All participants are required to stay for the entire duration of the event.

- Deadline for applications is the **12 June**.
- Decisions will be announced by email by the **26 June**.

Applicants may also compete for the award of 10 scholarships in the form of lodging for all the period of attendance of the Summer School (Monday 17 to Friday 21 July), by checking the relevant box on the application form. Winners will be selected on the basis of merit criteria at the sole discretion of the Summer School Scientific Committee. Applicants will be selected and scholarships awarded on the basis of the overall assessment of the curricula. Preference will be given to applications from foreign students. Students residing less than 40km from Brescia will not be entitled to the scholarship.

The Summer School will provide lunches and coffee breaks for all participants.

The results of the selection will be published on the Department's website and communicated by e-mail to all applicants.

University of Brescia students who have attended at least 80% of the lectures will be awarded 1 extracurricular credit.

Organizing committee:

Davide Bazzana, Università degli Studi di Brescia and Fondazione Eni Enrico Mattei
Mattia Guerini, Università degli Studi di Brescia and Fondazione Eni Enrico Mattei

Guest lecturers:

Tiziana Assenza, Toulouse School of Economics
Emanuele Ciola, Università degli Studi di Brescia and Fondazione Eni Enrico Mattei
Luca Fontanelli, Università degli Studi di Brescia
Mauro Napoletano, Université Côte d'Azur
Lilit Popoyan, Università degli Studi di Napoli 'Parthenope'