

SOCIAL SCIENCES AND MATHEMATICS

NOVEMBER 25-27 2024

SALA CONFERENZE INDAM ROMA

MARTA MENCI, GABRIELLA PUPPO, THIERRY PAUL ORG.

PROGRAM

Lunedì 25/11/2024

14.00 Benvenuto / Bienvenue

SESSION TRAFFIC

15.00 - 15.45 **Giuseppe Visconti** *Stop-and-go waves in kinetic models for traffic flow*

15.45 - 16.30 **Elisa Iacomini** *Investigating Uncertainty in Traffic Flow Modeling: Multi-Level Monte Carlo and Multi-Fidelity Approaches*

pause-café / pausa caffè

17.00 - 17.45 **Paola Goatin** *Multi-class and multi-population traffic flow models on networks*

Martedì 26/11/2023

SESSION CULTURAL HERITAGE

09.30 - 10.15 **Matteo Semplice** *Differential models for cultural heritage*

10.15 - 11.00 **Elia Onofri** *An all-around perspective on the management of Pedestrian Flows in Crowded Museums*

pause-café / pausa caffè

11.30 - 12.15 **Yvain Quéau** *Towards a more inclusive access to medieval tapestries through semi-automatic 3D object generation*

12.15 - 13.00 **Marialuisa Mongelli** *Digital Twins for the safeguarding and conservation of Cultural Heritage: case studies*

déjeuner / pranzo

SESSION SOCIAL SCIENCES

14.30 - 15.15 **Walter Quattrociochi** *Polarization, Opinions and Other Monsters*

15.15 - 16.00 **Lorenzo Pareschi** *The mathematics behind wealth distributions and economic inequality*

pause-café / pausa caffè

16.30 - 17.15 **Emiliano Cristiani** *Microscopic and macroscopic pedestrian models with variable maximal density*

17.15 - 18.00 **Vittorio Loreto** *New scenarios for inclusive and sustainable cities*

cena / dîner

Mercoledì 27/11/2024

SESSION ECONOMY AND OPINION DYNAMICS

09.30 - 10.15 **Giulia Poce** *Quantitative assessment of market risk in a pan-European CCP*

10.15 - 11.00 **Immacolata Oliva** *Optimal portfolio choice in complete jump-diffusion markets with longevity risk*

pause-café / pausa caffè

11.30 - 12.15 **Elisa Calzola** *Emergence of condensation patterns in kinetic equations for opinion dynamics*

déjeuner / pranzo

14.00 - ... **Liked Socialysm? You'll love Ecolysm! Coming soon**



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