

Variational Inequalities, Nash Equilibrium Problems and Applications

Catania, July 11-12, 2024

Program July 11, 2024

8.30-9.00 Registration

9.00-9.30 Opening Ceremony

- **Orazio Muscato**, Director of the Department of Mathematics and Computer Science, University of Catania
- **Organizing Committee** of VINEPA 2024
- **Antonino Maugeri**, University of Catania

9.30- 10.20 **M. Thera** “*Fixed points of regular set-valued mappings in quasi-metric spaces*”

10.20-10.40 **D. Scopelliti** “*A Variational Approach to Preference Equilibrium Problems under Weak Continuity Assumptions in Banach Spaces*”

10.40-11.00 **M. Milasi** “*A preference equilibrium problem*”

11.00-11.30 Coffee break

11.30-12.20 **C. Tammer** “*Optimality conditions in optimization under uncertainty*”

12.20-12.40 **A.L. Canino** “*Lawful Interceptions through Data Transmission Optimization*”

12.40-13.00 **D. Kamburova** “*Ekeland variational principle and its equivalents in parametric spaces*”

13.00-13.20 **V. Centorrino** “*On Contracting Dynamics for Convex Optimization Problems*”

13.20-14.00 Lunch

Variational Inequalities, Nash Equilibrium Problems and Applications

Catania, July 11-12, 2024

Program July 11, 2024

- 15.00-15.20 D. Sciacca** “*Multi-layer 5G Network Slicing with UAVs: an optimization Model*”
- 15.20-15.40 M.B. Donato** “*On existence of general equilibrium with transfers and other-regarding preferences: variational inequality approach*”
- 15.40-16.00 B.A. Pansera** “*Random optimal control equilibrium problem via inverse stochastic variational inequalities*”
- 16.00-16.20 M. Ramazannejad** “*Seeking an Algorithm to Projected Solution of Quasi Variational Inequality Problems with Non-self Constraint Map*”
- 16.20-16.50 Coffee break**
- 16.50-17.40 A. Nagurney** “*Agricultural Supply Chain Networks: From International Trade to Resilience*”
- 17.40-18.00 A. Marcianò** “*A Variational Approach to Trust and Reputation Systems*”
- 20.00 Social Dinner**

Variational Inequalities, Nash Equilibrium Problems and Applications

Catania, July 11-12, 2024

Program July 12, 2024

- 9.30-10.20** **D. Aussel** *“Revisiting Variational Inequalities, Nash Equilibrium Problems and their Applications thanks to local reproducibility concept”*
- 10.20-10.40** **F. Calà Campana** *“A PMP-based method for solving dynamical Nash games”*
- 10.40-11.00** **D. Carpentieri** *“A New Proof for the Existence of a Nash Equilibrium”*
- 11.00-11.30** **Coffee Break**
- 11.30-11.50** **M.D.E. Giordano** *“A game-theoretical approach to a financial equilibrium model with uncertain parameters”*
- 11.50-12.10** **F. Caruso** *“Affine relaxations of the best response algorithm in ratio-bounded games: approximation of Nash and bilevel Nash equilibria”*
- 12.10-12.30** **P. von Mouche** *“On Cournot oligopolies with biconcave price functions”*
- 12.30-12.50** **C. Sterle** *“A MILP formulations and a branch-and-cut approach for several truck-and-drone logistics problem”*
- 12.50-14.00** **Lunch**