Variational Inequalities, Nash Equilibrium Problems and Applications

Catania, July 11-12, 2024

Purpose

The meeting aims to survey current research trends in variational inequalities, Nash equilibrium problems and their applications, and to provide an opportunity for interaction between various research groups.

Brief description

Two days with presentations and discussions, illustrating current research trends in variational inequalities, Nash equilibrium problems and their present or potential applications to computer science, engineering, management science, transportation, economics, environmental problems, biology, telecommunications networks, etc.

Invited speakers

Samir Adly, Université de Limoges (France)
Didier Aussel, Université de Perpignan (France)
Francisco Facchinei, Università La Sapienza Roma (Italy)
Anna Nagurney, University of Massachusetts Amherst (USA)
Christiane Tammer, Martin-Luther-University Halle-Wittenberg (Germany)
Michel Thera, Université de Limoges (France)

Topics of interest

√ Variational and quasi-variational inequalities
√ Nash and generalized Nash equilibrium problems
√ Network equilibrium problems
√ Generalized complementarity problems
√ Infinite-dimensional duality theory
√ Approximation and algorithms
√ Variational methods and game theory in computer vision, machine learning, pattern recognition and AI
√ Variational methods for logistics, transportation and 5G/6G networks
√ Applications to engineering, computer science, management science, transportation, economics, environmental problems, biology, telecommunications networks, etc.

Important dates

Abstract submission deadline:
April 30, 2024

Notification of acceptance:
May 15, 2024

Registration deadline:
May 31, 2024

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