

# PROGRAM



<http://iplab.dmi.unict.it/vinepa2018>

DIIES - Università Mediterranea di Reggio Calabria

Fourth Workshop on  
*Variational Inequalities, Nash Equilibrium Problems and  
Applications*

Reggio Calabria, 8-9 March 2018

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### 8 March 2018 - Morning

10:00 - 10:15 Welcome Cerimony

10:15 - 11:05 Invited Speaker - Anna Nagurney, *“Game Theory Models of Cybercrime and Cybersecurity Investments Under Network Vulnerability”*

11:05 - 11:30 Coffee Break

11:30 - 12:20 Invited Speaker - Gianluigi Greco, *“Nash Equilibria under the lens of Computational Complexity”*

12:20 - 12:45 Sjur Didrik Flåm, *“Cournot-Nash-Walras Games”*

12:45 - 13:10 Fabio Bagagiolo, *“A Differential Game with Exit Costs”*

13:10 - 15:00 Lunch break

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**8 March 2018 - Afternoon**

15:00 - 15:50 Invited Speaker - Marcello Pelillo, “*Grouping Games: Finding Clusters in Graphs, Digraphs and Hypergraphs*”

15:50 - 16:15 Giuseppe Riey, “*Variational Properties of a Functional for Motion Compensated Video Inpainting*”

16:15 - 16:35 Coffee Break

16:35 - 17:00 Gabriella Colajanni, “*A Financial Model for a Multi-Period Portfolio Optimization Problem with a Variational Formulation*”

17:00 - 17:25 José G. Flores-Muñiz, “*Consistent Equilibrium in Oligopoly coincides with Nash Equilibrium in the Upper Level Game*”

17:25 - 17:50 Youngdae Kim “*Solving Equilibrium Problems using Extended Mathematical Programming and SELKIE*”

20:30 Social Dinner

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## 9 March 2018 - Morning

09:00 - 09:50 Invited Speaker - Samir Adly, "*Quasistatic Evolution Variational Inequalities in the Framework of Moreau's Sweeping process*"

09:50 - 10:15 Igor Konnov, "*Applications of a General Market Model to Network Equilibrium Problems*"

10:15 - 10:40 Giorgia Oggioni, "*Dual Decomposition Approach for Dynamic Spatial Equilibrium Models: an Analysis of the Spot Gas Markets*"

10:40 - 11:10 Coffee Break

11:10 - 11:35 Luisa Fattorusso, "*Precise Morrey Regularity of the Weak Solutions to a Kind of Quasilinear Systems with Discontinuous Data*"

11:35 - 12:00 Lyoubomira Softova, "*Generalized Morrey Regularity of the Solutions to a kind of Nonlinear Equations of  $p$ -Laplacian type*"

12:00 - 12:25 Gabriella Zecca, "*An Optimal Control Problem for Nonlinear Elliptic Equations with Unbounded Coefficients*"

12:25 - 12:50 Fernando Farroni, "*Quantitative Estimates for very weak Solutions to some Partial Differential Equations arising in Geometric Function Theory*"

12:50 Closing Remarks

13:00 Lunch