

Scientific Program

July 13, Monday

8:50 – 9:00 Conference Opening

Chairman: Vladimir Veliov

9:00 – 9:30 Hélène Frankowska, Viability and Invariance of Sets under Transport Control Systems in Wasserstein Spaces

9:30 – 10:00 Giovanni Colombo, Lie Brackets and State Constraints in Optimal Control Problems

10:00 – 10:30 Aris Daniilidis, Derivatives of Lipschitz Functions

10:30 – 11:00 Coffee Break

Chairman: Peter Wolenski

11:00 - 11:30 Pierpaolo Soravia, Singular Limits of Anisotropic Reaction-Diffusion Equations with Degenerating Diffusion

11:30 – 12:00 Marc Quincampoix, Derivative Characterizations of Bi-metric Regularity of Set-valued Maps

12:00 – 12:30 Hristo Sendov, Polar Convexity- Applications

12:30 – 14:00 Lunch

Chairman: Marc Quincampoix

14:00 – 14:30 Antonio Marigonda, An Optimal Control Problem for Multiagent Systems with Aggregating Cost

14:30 – 15:00 Luca Lussardi, Axisymmetric Nematic Soap Films

15:00 – 15:30 Giulia Cavagnari, Optimal Control of Multi-particle Systems: Hamilton–Jacobi Equation in Eulerian and Lagrangian Settings

15:30 – 16:00 Coffee Break

Chairman: Giovanni Colombo

**16:00 - 16:30 Martin Ivanov, On the Regularity of the Extremal Controls of a Class of
Optimal Control Problems**

**16:30 - 17:00 Marie Kristel, On the Small-time Local Controllability of Cone-wise Linear
Systems**

17:00-17:30 Tzanko Donchev, Optimal Control of non Lipschitz Differential Inclusions

19:00- 20:00 Dinner

20:00 Welcome party

July 14, Tuesday

Chairman: Stanimir Troyanski

9:00 – 9:30 Opening

9:30 – 10:00 Marian Fabian, Separable Reductions, Rich Families, and Projectional Skeletons

10:00 – 10:30 Wiesław Kubiś, Generic Operators

10:30 – 11:00 Coffee Break

Chairman: Julian Revalski

11:00 - 11:30 Michel Théra, The Steiner Selection: Geometry, Stability, and Sensitivity

11:30 – 12:00 Roberto Lucchetti, Some Remarks in Decision Theory

12:00 – 12:30 Marc Lassonde, A Discrete Equilibrium (Sperner's Lemma Revisited)

12:30 – 14:00 Lunch

Chairman: Marian Fabian

14:00 – 14:30 Milen Ivanov, On Preiss Differentiability Theorem

14:30 – 15:00 Pando Georgiev, Porous Versions of Kenderov's Continuity Phenomenon and a Topological Variational Principle

15:00 – 15:30 Sebastian Lajara, On a Class of Operator Ranges in Dual Spaces

15:30 – 16:00 Coffee Break

Chairman: Aris Danilidis

16:00 - 16:30 Peter Wolenski, Dual approximations in Fully Convex Control

16:30 - 17:00 Yboon Garcia, Different Approaches to the Existence of Projected Solutions in Banach Spaces

17:00 - 17:30 Abderrahim Hantoute, From Discretization to Duality in Infinite Optimization

19:00- 20:30 Dinner

July 15, Wednesday

Excursion

19:00- 20:30 Dinner

July 16, Thursday

Chairman: Roberto Luccetti

- 9:00 – 9:30 Damian Sobota, Projections onto Hyperplanes in Banach Spaces $C(K)$**
- 9:30 – 10:00 Todor Manev, A Fedorchuk Compact Space with Some Implications for Renormings of Banach Spaces**
- 10:00 – 10:30 Vesko Valov, Function Spaces with Pointwise Convergence Topology**
- 10:30 – 11:00 Coffee Break**

Chairman: H  l  ne Frankowska

- 11:00 - 11:30 Mira Bivas, Linearization of Nonautonomous Differential Inclusions**
- 11:30 – 12:00 Nadezhda Ribarska, On the Pontryagin Maximum Principle**
- 12:00 – 12:30 Petar Kenderov, Minimization Problems Generated by a Closed Convex Set and a Smooth Curve in the Plane**
- 12:30 – 14:00 Lunch**

Chairman: Hristo Sendov

- 14:00 – 14:30 Andrzej Ruszczynski, Reinforcement Learning with Markov Risk Measures and Multipattern Risk Approximation**
- 14:30 – 15:00 Teemu Pennanen, Bellman Equations in Optimal Stochastic Control and Beyond**
- 15:00 – 15:30 Darinka Dencheva, Relaxation of Stochastic Dominance Constraints via Optimal Mass Transport**
- 15:30 – 16:00 Coffee Break**

Chairman: Wiesław Kubiś

16:00 – 16:30 Melkana Brakalova-Trevithick, A Variational Formulation of Teichmüller's Modulsatz and Application to Pointwise Conformality

16:30 – 17:00 Detelina Kamburova, Contractive Orbits of Set-valued Maps and Applications to Fixed Points

17:00 – 17:30 Zlatina Tsoleva, Countable and Pointwise Countable Type Families

20:30 Official Dinner

July 17, Friday

Chairman: Antonio Marigonda

9:00 – 9:30 Robert Baier, Set-valued Retractions and Subdivision Algorithms for Approximating Feasible Sets

9:30-10:00 Boyan Stefanov, Inner–Outer Decomposition for Constrained Finite-Horizon LQ Differential Games

10:00 – 10:30 Tomas Roubal, A Diagonalization and Implicit Programming Approach to the Numerical Solution of EPECs

10:30 – 11:00 Coffee Break

Chairman: Marc Lassonde

11:00 - 11:30 Tri Minh Lé, An Integration Formula via the Global Slope Operator

11:30 – 12:00 Mihail Hamamdjiev, On the Hadamard's Inverse Mapping Theorem for Continuously Gateaux Differentiable Mapping

12:00 – 12:30 Petar Evgeniev, Pointwise Defined Sets in Lebesgue Spaces and Their Clarke Cones

12:30 – 14:00 Lunch

Chairman: Nadia Zlateva

14:00 - 14:30 Alona Mokhov, Metric Directional Derivatives of Multifunctions and its Application to Local Approximation

14:30 - 15:00 Albert Dominguez Corella, Stackelberg Equilibria, Complementarity Conditions and Observability of Multipliers

15:00 - 15:30 Matey Konstantinov, Subdifferential Determination of a Primal Lower Regular Function on a Banach Space

15:30 – 16:00 Coffee Break

Chairman: Pierpaolo Soravia

16:00 - 16:30 Margarita Nikolova, Small-time Local Controllability of a Class of Control Systems

16:30-17:00 Stoyan Apostolov, Lipschitz Continuity of Regular Graphical Derivatives to Set-Valued Maps

17:00-17:30 Mikhail Krastanov, On the Small-time Local Controllability

19:00- 20:30 Dinner

July 18, Saturday

Departure