

Friday July 27

Auditorium Maximum of the Jagiellonian University, ul. Krupnicza 33

Plenary session

Room A

- 8.30 B.S. Mordukhovich
Variational Analysis in Optimization and Control
- 9.30 Ł. Stettner
Problems of Mathematical Finance by Stochastic Control Methods

10.30 Coffee break

Room G

I.6-10 Control and Optimization of Nonlinear Evolutionary PDE Systems **Room B**

- 11.00 P.I. Plotnikov, J. Sokołowski
Drag minimisation for stationary, compressible Navier-Stokes equations. Part 2
Optimality conditions
- 11.30 J. Cagnol, C. Lebiedzik
An Intrinsic Model for Thermoelastic Thin Shells
- 12.00 M. Foss, A. Passarelli di Napoli, A. Verde
Morrey Regularity and Continuity of Minimizers for Asymptotically Convex Integrals

I.14-1 Multicriteria Optimization and Decision Support

Room C

- 11.00 J. Craveirinha, R. Girão, J. Clímaco, L. Martins
A Hierarchical Multiobjective Routing Model for MPLS Networks
- 11.30 M. Tanaka
Teaching Support System on the Web and Multicriteria Evaluation
- 12.00 J. Granat, M. Ryoke, Y. Nakamori, A. P. Wierzbicki
Prediction of variability of demand based on domain knowledge and event mining
- 12.30 B. Kozłowski, W. Ogryczak
Multicriteria decision support for problems with numerous and structured criteria

R.10 Mathematical programming

Room D

- 11.00 E. Szczepanik, A.A. Tret'yakov, A. Prusińska
P-factor method for nonregular inequality-constrained optimization problems
- 11.30 M. Chudy
Remarks on 0-1 optimization problems with superincreasing and superdecreasing
objective functions
- 12.00 P. Czaderna, K. Wala
A genetic local search algorithm for the weighted maximum leaf spanning tree
problem
- 12.30 U. García-Palomares, I. García-Urrea
Parallel nonmonotone derivative free algorithm for bound constrained optimization
-

I.12-6 Modelling, Control and Optimization of Dynamical Systems Theory and Applications to Biomedicine		Room E
11.00	M. Kawski, P. Maxwell Curvature of optimal control Deformation of classical planar systems	
11.30	M. Chyba, T. Haberkorn, G. Vilmart Geometric Integration for Optimal Control Problems Application to Underwater Vehicles	
12.00	M.R. de Pinho, I. Shvartsman Regularity properties of optimal control for some mixed constrained problems	
12.30	L. Poggiolini, G. Stefani Minimum time optimality for a single--input affine control system	
R.11 Computational engineering		Room F
11.00	Y. Kobayashi, O. Kubo, J. Ito A Scheduling Method for R&D Projects with the Minimum Risk	
11.30	Z. Tarapata Scheduling problems for synchronization of multi-objects movement	
13.00	Lunch	Room G
I.6-11 Control and Optimization of Nonlinear Evolutionary PDE Systems		Room B
14.30	I. Lasiecka Finite Dimensional and Smooth Attractors Arising in Wave Dynamics with Boundary Dissipation and Sources of Critical Exponents	
15.00	P. Radu, G. Todorova, B. Yordanov Decay Rates for Wave Equations with Linear Damping and Variable Coefficients	
15.30	G. Avalos Global Exact Controllability of Semilinear Thermoelastic Systems	
I.14-2 Multicriteria Optimization and Decision Support		Room C
14.30	M. Makowski Multicriteria analysis for problem solving opportunities, pitfalls, challenges	
15.00	J. Granat, A. P. Wierzbicki Objective Classification of Empirical Probability Distributions and the Issue of Event Detection	
15.30	A.B. Malinowska, D.F.M. Torres A computational approach to essential and nonessential objective functions in linear multicriteria optimization	
16.00	J.-B. Yang, D.-L. Xu Investigation into DEA-oriented performance assessment in the domain of MOLP	
R.12 Applications of mathematical programming		Room D
14.30	R. Pytlak, W. Stecz Tariff optimization problem - formulation and algorithms	
15.00	A.M.J. Skulimowski Multicriteria coordinated control of water reservoir systems in case of flood emergency	

- 15.30 M. Jureczko
Formulation of optimization problem of the Horizontal Axis Wind Turbine Blade
- 16.00 A. Pagès, N. Nabona, A. Ferrer
Joint solution to the long-term power generation planning and maintenance scheduling
-

**I.12-7 Modelling, Control and Optimization of Dynamical Systems
Theory and Applications to Biomedicine**

Room E

- 14.30 M. Majewski, S. Walczak
Optimal control systems with constraints defined on unbounded sets
- 15.00 A. Nowakowski
 ε -value function and dynamic programming
- 15.30 O.A. Brezhneva, A.A. Tret'yakov
Generalization of the p-regularity concept and optimality conditions for degenerate constrained optimization problems
- 16.00 M. Studniarski
Weak sharp minima in multiobjective optimization

16.30 Coffee break

Room G

17.00 Conference Closing

Room A
