Monday, July 23

Senate Hall (Aula) of the AGH University of Science and Technology, al. Mickiewicza 30

9	.00	Open	ina
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Plenary session

9.30 G. Augusti, M. Ciampoli Performance-Based Design as a Decision Strategy for Risk Reduction

Auditorium Maximum of the Jagiellonian University, ul. Krupnicza 33

10.30	Coffee break	Room G
	Plenary session	Room A
11.00	S. Scholtes Mathematical Programs with Equilibrium Constraints	
12.00	J-P. Zolésio Shape Tube metric, Geodesic Equation	
13.00	Lunch	Room G
	I.6-1 Control and Optimization of Nonlinear Evolutionary PDE Systems	Room B
14.30	F. Alabau-Boussouira Decay of energy for evolution equations with memory damping	
15.00	S. Faggian, F. Gozzi Dynamic programming for infinite horizon boundary control problems for age structure	PDE's with
15.30	P. Grabowski, F.M. Callier Lur'e feedback systems wellposedness and stability using nonlinear sem	igroups
16.00	F. Bucci Long-term dynamics of a nonlinear structural acoustic model with thermo	elastic wall
	I.9-1 Evolution Problems and Optimal Control with Applications	Room C
14.30	N.U. Ahmed Evolution Equations Determined by Vector and Operator Valued Measures and optimal Control	
15.00	O. Cârjă, D. Motreanu Lyapunov pairs and applications	
15.30	N. Hritonenko, Y. Yatsenko Discrete and Continuous Optimization of Asset Replacement in Economi	ics and OR
16.00	Z. Naniewicz On variational aspects of the economic equilibrium problem with applicat Pareto optimality	ion to

	I.7 Static and Moving Geometries as Modeling and/or Control Room D Variables		
14.30	J. Cagnol, JP. Zolésio Shape Derivative in Maxwell System by Hidden Regularity		
15.00	JP. Zolésio Tubes and Saddle Point Analysis		
15.30	M.C. Delfour Minimal smoothness of the midsurface in the asymptotic theory of shells		
16.00	L. Blanchard, JP. Zolésio Shape Approximation. Galerkin strategy for level set shape analysis		
	I.4 Risk-Averse Optimization Room E		
14.30	A. Eichhorn, G. Pflug, W. Römisch Multiperiod risk functionals and their application in electricity risk management		
15.00	W. Ogryczak, M. M. Opolska-Rutkowska On primal-dual third degree stochastic dominance		
15.30	D. Dentcheva, A. Ruszczyński Stochastic Dynamic Optimization with Multivariate Stochastic Dominance Constraints		
16.00	D. Dentcheva, R. Henrion, A. Ruszczyński Stability and sensitivity of optimization problems with stochastic ordering constraints		
	I.5-1 Shape and Topology Optimization and Applications Room F		
14.30	M. Pierre About regularity of optimal eigenfunctions for the Laplacian		
15.00	A. Henrot, G.A. Philippin Some geometric inequalities with applications		
15.30	M. Hintermüller, A. Laurain A level set based shape and topology optimization technique for solving obstacle problems		
16.00	P.I. Plotnikov, J. Sokołowski Drag minimisation for stationary, compressible Navier-Stokes equations. Part 1 Existence of optimal shapes		
16.30	Coffee break Room G		
	I.6-2 Control and Optimization of Nonlinear Evolutionary PDE Systems Room B		
17.00	P. Cannarsa Null controllability results for degenerate parabolic equations		
17.30	A. Favini, L. Pandolfi On-line reconstruction of inputs to a class of distributed parameter systems		
18.00	J. Le Rousseau Some results of null controllability of parabolic equations in the case of non-smooth coefficients		
18.30	A. Kowalewski Boundary Control of Parabolic-Hyperbolic Systems with Time Delays		

	1.9-2 Evolution Problems and Optimal Control with Applications	Room C	
17.00	D. Idczak, S. Walczak		
	Optimal control systems of second order with infinite time horizon		
17.30	O. Cârjă Flow-invariance and controllability		
18.00	M. Michta Existence of Optimal Solutions to Partial Differential Inclusions		
	I.15 Boundary value problems factorization via invariant embedding	Room D	
17.00	J. Henry, B. Louro, A. Ramos A Factorization Method for a Singular Perturbation Problem		
17.30	J.Henry, B.Louro, M.C. Soares Factorization by invariant embedding of a second order elliptic operator		
18.00	K.K. Sharma, J. Henry The computing zoom method and experimentation		
18.30	J. Henry, M. Orey QR like factorization for elliptic boundary value problems		
19.00	J. Henry A robust extension of the Kalman filter for parabolic systems in the deterministic framework		
	I.2 Multi Scale Analysis in Global Optimization Strategies	Room E	
17.00	T. Burczyński, W. Kuś, A. Mrozek Evolutionary methods in multiscale modeling		
17.30	Ł. Madej, D. Szeliga Identification of the multi scale CAFE model using the inverse method		
18.00	BA. Behrens, H. Conrads, A. Hundertmark Size-Effects in Metal Forming Processes		
18.30	G. Kokot, W. Kuś Global optimization of shell structures with small features by using multisca approach	ale	
19.00	M. Kopernik, A. Stanisławczyk, J. Kusiak, M. Pietrzyk Identification of material models in hard system of nanocoatings using meta-	amodel	
	I.5-2 Shape and Topology Optimization and Applications	Room F	
17.00	S. Gaile, G. Leugering, M. Stingl Free Material Optimization for Plates and Shells		
17.30	K. Szulc, A. Laurain Inverse problems and self-adjoint extensions of Laplacian		
18.00	M. Grzanek, K. Szulc Numerical Method for Inverse Problems of Detection of Imperfections with Topological Derivatives and Neural Networks		
18.30	Z. Belhachmi, JM. Sac-Epée, J. Sokołowski, K. Szulc Modeling of geometrical imperfections. Topological derivatives in nonsmoo	th domain	
19.00	S. Czarnecki, T. Lewiński The free material design revisited		