

Fourth Junior European Meeting on:

"Control and Optimization"

Bialystok Technical University, Poland

September 11-14, 2005

Sunday

11/09/2005

9:30 – 20:00	EXCURSION TO BIALOWIEZA
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Monday

12/09/2005

	Chairman	Speaker	Title of presentation	
8:30 – 9:00	REGISTRATION			
9:00 – 9:30	OPENING			
9:30 – 10:15	Ewa Girejko	Special Session	Emmanuel Trelat Uniform controllability of linear parabolic control systems- (theoretical aspects)	
10:15 – 11:00			Stephane Labbe Uniform controllability of linear parabolic control systems – (numerical aspects)	
11:00 – 11:30			COFFEE BREAK	
11:30 – 12:15			Delfim Torres Symbolic computation of symmetries and conservation laws in optimal control	
12:15 – 13:00			Francesca Ceragioli Switched systems, discontinuous ODE's and Zenophenomenon	
13:00 – 15:00			LUNCH	
15:00 – 15:40	Dorota Mozyrska	Zbigniew Bartosiewicz Control systems on time scales		
15:40 – 16:00		Ewa Pawluszewicz Realizations of linear control systems on time scales		
16:00 – 16:20	COFFEE BREAK			
16:20 – 16:40	Małgorzata Wyrwas	Ewa Piotrowska Exponential stability of linear dynamic systems on time scales		
16:40 – 17:00		Jens Jordan Reachability properties of iterative algorithms		
17:00 – 17:20		Sven Noemm Realization of the parallel connection of continuous-time nonlinear systems		
21:00 – 22:00	SLIDES - SHOW "LIFE OF THE KNYSZYŃSKA FOREST"			

Special Session - the Session in collaboration with Polish Mathematical Society

Tuesday

13/09/2005

	Chairman	Speaker	Title of presentation
9:00 – 9:30	Emmanuel Trelat	Ludovic Rifford	On the existence of smooth repulsive stabilizing feedbacks
9:30 – 10:00		Christophe Prieur	From optimal controllers to robust stabilizing feedbacks for nonlinear control systems
10:00 – 10:30		Eugenio Rocha	Quadratures of Pontryagin extremals of some optimal control problems
10:30 – 11:00		Arturo Ramos	On the origin of two first integrals of motion in some non-holonomic mechanical systems
11:00 – 11:30	C O F F E E B R E A K		
11:30 – 12:00	Francesca Ceragioli	Ewa Girejko	Viability for differential inclusions and generalized differential quotients
12:00 – 12:30		Dorota Mozyrska	Controllability of linear control differential systems with infinite lower-diagonal matrices
12:30- 13:00		Małgorzata Wyrwas	Multiobservers and their application to output stabilization
13:00 – 15:00	L U N C H		
15:00 – 15:20	Krzysztof Piekarski	Andrzej Andrzejewski	The modified adaptive control of DC drive
15:20 – 15:40		Arkadiusz Mystkowski	The comparison of H_{∞} and H_2 optimal controllers for active magnetic suspension
15:40 – 16:00		Paweł Myszkowski	Global linearization of non-linear model of satellite of unit mass orbiting the earth
16:00 – 16:20	C O F F E E B R E A K		
16:20 – 16:40	Rajmund Stasiewicz	Agnieszka Malinowska	Changes of the set efficient solutions by extending the number of objectives linear optimization problems
16:40 – 17:00		Krzysztof Piekarski	On one-dimensional signal decomposition by adaptive wavelets
17:00 – 17:20		Zbigniew Zaczekiewicz	Observability of small solutions for linear differential-algebraic systems with delays
20:00 – Wednesday	C O N F E R E N C E D I N N E R		

Wednesday

14/09/2005

	Chairman	Speaker	Title of presentation
9:00 – 9:30	Delfim F.M. Torres	Nicola Bettiol	A deterministic approach to the Skorokhod problem
9:30 – 10:00		Marek Grochowski	Reachable sets and non-smooth geodesics in the sub-Lorentzian geometry
10:00 – 10:30		Marek Rupniewski	Feedback classification of one-parameter families of nonlinear control-affine systems
10:30 – 11:00		Manuel Guerra	Generalized trajectories for affine control systems
11:00 – 11:30	C O F F E E B R E A K		
11:30 – 12:00	Ludovic Rifford	Anna Poskrobko	On asymptotic behaviour of the dynamical systems generated by von Foerster-Lasota equations
12:00 – 12:30		Celia Moreira	Singularities of optimal averaged profit for stationary strategies
12:30- 13:00		Agnieszka Dardzińska	Optimization and data security in distributed information systems
13:00 – 15:00	L U N C H		
15:00 – 15:20	Eugenio Rocha	Dariusz Janczak	State estimation of linear dynamic system with unknown input and uncertain observation with using dynamic programming
15:20 – 15:40		Rajmund Stasiewicz	Analysis of luminous flux distribution in cornice lighting luminaire
15:40 – 16:00		Cristiana Silva	Newton's problem of minimal resistance in arbitrary dimension
16:00 – 16:20	C L O S I N G C O F F E E		
16:30	M A T H - E X H I B I T I O N		