PROGRAM 22 MAY, 2014

	Room: F	Room: G	Room: VIP
09:00-09:10	Péter Földesi, József Bokor		
09:10-09:35	Zoltán Horváth *Applications and development of the Modeling-Simulation-Optimization technology to green vehicles and transportation*		
09:35-10:15	László Palkovics *Autonomous Drive of Commercial Vehicles as Contributor to GHG Emission Reduction - Platform Systems and their Control*		
10:15-10:55	Florian Bittner *Design, Simulation and Optimization of Electric Machines for Green Vehicles*		
10:55 -11:10	Break		
	Design (F. Bittner)	Modeling and Control (P. Gaspar)	Positivity (Z. Horváth)
11:10-11:30	Márton Kuslits *Driving cycle based cost function for energetic optimization of PMS motors applied in electric vehicles*	Zoltán Szabó *Guaranteed performance with analysis oriented KYP lemma*	David Ketcheson *High order strong stability preserving general linear methods*
11:30-11:50	Miklós Kuczmann *Numerical electromagnetic field analysis in electrical machine simulation*	József Tar *Resolution of Kinematic Constraints via Local Optimization in an Adaptive Dyanamic Control of an Electric Cart*	Inmaculada Higueras *Numerical positivity: from theory to practice*
11:50-12:10	János D. Pintér *How difficult is nonlinear optimization?*	Krisztán Kósi *A novel type model reference adaptive controller for the dynamic control of a WMR*	Helmut Podhaisky *On positive explicit peer methods of high order*
12:10-12:30	István Szénásy *Optimum control strategy for vehicle PMSM in field-wakening operation*	István Pintér *Design and realization of FFNN-based neurocontroller for HEV*	Mihály Markót *Complete global optimization methods for finding positively invariant sets of ordinary differential equations*
12:30-14:00	Lunch break		

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	Smart Transportation		
14:00-14:40	Benjamin Passow *Integrated Traffic Management and Air Quality Control*		
14:40-14:50	Break		
	Smart Transportation (B. Passow)	Modeling and Control (Z. Szabó)	
14:50-15:10	Tamás Tettamanti *Data fusion concept for urban traffic estimation based on heterogeneous data*	Tímea Fülep *Control design for in-wheel vehicles*	
15:10-15:30	Bence Liszkai *Computational simulation of air pollution dispersion induced by urban traffic*	Péter Bauer *Optimality and performance of reference tracking solutions*	
15:30-15:50	Gábor Takács *Predicting flight arrival times with a multistage model*	Balázs Németh *Polynomial analysis of steering and braking interventions based on invariant sets*	
15:50-16:10	Balázs Horváth *Elements of Smart Transport*	Tihamér Kocsis A. *On a control method for a vehicle dyamics problem*	
16:30-16:50	Break		
	Smart Transportation (D. Elizondo)	Simulation (L. Molnár)	Positivity (D. Ketcheson)
16:50-17:10	Imre Felde *Using wireless data to characterize urban traffic*	Csaba Gáspár *A Regularized Method of Fundamental Solutions for Heat Transfer Problems*	Lajos Lóczi *On the stability regions of implicit linear multistep methods*
17:10-17:30	Csaba Csiszár *Personalized information services affecting mobility decisions and processes*	Abdelhakim Lotfi *Numerical investigation of heat transfer in air cooled Permanent Magnet electrical machines*	Yunfei Song *Steplength thresholds for invariance preserving of discretization methods of dynamical systems*
17:30-17:50	Éva Pestiné Rácz *Measuring small scale differences of traffic caused air pollution in a street canyon*	László Környei *Simulation of Heat Discipation in a PMS Motor with OpenFOAM*	Zoltán Horváth *Positively invariant sets for differential equations and their discretizations*
17:50-18:10	Zsuzsanna Bede *Theory of variable network model and application of RLS in Győr*	Christian Kiss-Tóth *Optimizing airplane routes with dynamic programming*	

19:00 Conference Dinner