

IEEEI2010**Special Session on Switched and Hybrid Systems****Thursday, November 18, 2010****Topaz Hall, Hilton Hotel, Eilat, Israel**

08:30-08:42 Lev Rapoport (Institute for Control Sciences, Russia) Using the periodic solution of the selector-linear differential inclusion for estimation of invariant regions in the wheeled robot problem

08:42-08:54 Ron Teichner and Michael Margaliot (Tel Aviv University, Israel) Explicit construction of the Barabanov norm for a class of positive planar discrete-time linear switched systems

08:54-09:06 Christos G. Cassandras and Chen Yao (Boston University, USA) A stochastic hybrid system view at a class of non-cooperative games

09:06-09:18 Tal Monovich and Michael Margaliot (Tel Aviv University, Israel) Analysis of discrete-time linear switched systems: a variational approach

09:18-09:30 Liron Its'haki Allerhand and Uri Shaked (Tel Aviv University, Israel) Robust control and estimation of switched linear systems with dwell time

09:30-09:45 Jose C. Geromel, Patrizio Colaneri and Paolo Bolzern (UNICAMP, Brazil and Politecnico di Milano, Italy) Analysis and control synthesis of continuous-time passive switched linear systems

09:45-10:00 Yorai Wardi and Magnus Egerstedt (Georgia Institute of Technology, USA) Algorithm for optimal mode-scheduling in switched-mode hybrid dynamical Systems

10:00-10:15 Jiandong Xiong and Zhendong Sun (South China University of Technology, China) An improved combined switching strategy for switched linear systems

10:15-10:30 Dmitriy Laschov and Michael Margaliot (Tel Aviv University, Israel) On the optimal control of Boolean control networks with a single input

10:30-11:00 Coffee break

11:00-11:15 Amir Ali Ahmadi, Raphael Jungers, Pablo Parrilo and Mardavij Roozbehani (Massachusetts Institute of Technology, USA) Piecewise polynomial Lyapunov functions with guaranteed accuracy

11:15-11:30 Yizhar Or and Andrew R. Teel (Technion, Israel and University of California at Santa Barbara, USA) The set-valued bouncing ball and its application to Lagrangian hybrid systems

11:30-11:45 Josef Shinar, Valery Y. Glizer and Vladimir Turetsky (Technion, Israel and Ort Braude College, Israel) Robust pursuit of a hybrid evader - the generalized solution

11:45-12:00 Victor Kozyakin (Institute for Information Transmission Problems, Russia) Some constructive results related to computation of the joint spectral radius