

# Technical Program

## SUNDAY, NOVEMBER 9, 2014

	8:15	<i>Gathering &amp; registration</i>
	8:45	<i>Opening</i>
systems theory	9:00	<b>Anders Lindquist</b> , KTH & Jiao Tong U Intermittent Observations and Hybrid Dynamics: The Reversal of the Time Direction in Stochastic Models and its Use in Optimal Estimation
	9:40	<b>Izchak Lewkowicz</b> , Ben-Gurion U (Generalized) Positive Rational Functions — Convex Invertible Cones Overview
	10:20	<i>Coffee break</i>
system identification	10:50	<b>Thomas Schön</b> , Uppsala U Nonlinear System Identification Enabled via Sequential Monte Carlo
	11:30	<b>Jonas Sjöberg</b> , Chalmers U Identification of Wiener-Hammerstein Models and Other Nonlinear Block Models
	12:10	<i>Lunch</i> (Forchheimer)
biological systems	14:00	<b>Alexander Medvedev</b> , Uppsala U Pointwise and Distributed Delays in Impulsive Models of Endocrine Regulation
	14:40	<b>Michael Margaliot</b> , Tel-Aviv U The Ribosome Flow Model: Theory and Applications
	15:20	<i>Coffee break</i>
control applications	15:50	<b>Thomas Gustafsson</b> , Luleå U Towards Optimal Control of Wood Drying
	16:30	<b>Yizhar Or</b> , Technion Dynamics and Control of (Bio-)Robotic Locomotion: Nonlinear, Nonholonomic and Hybrid Mechanical Systems

## MONDAY, NOVEMBER 10, 2014

	8:40	<i>Gathering &amp; registration</i>
lightly-damped systems	9:00	<b>Shai Arogeti</b> , Ben-Gurion U Set-point Regulation of an Uncertain 6-DOF Magnetically Levitated Positioning Stage
	9:40	<b>Karl Johan Åström</b> , Lund U Control Design for a MEMS Accelerometer with Tunneling Sensing
	10:20	<i>Coffee break</i>
control applications	10:50	<b>Bo Bernhardsson</b> , Lund U Control of a Marine Vibrator Using Iterative Learning Control
	11:30	<b>Tal Shima</b> , Technion Cooperative Optimal Missile Guidance Laws

12:40–21:00

*Lunch, Trips & Banquet*

## TUESDAY, NOVEMBER 11, 2014

	8:40	<i>Gathering &amp; registration</i>
teleoperation	9:00	<b>Ilana Nisky</b> , Ben-Gurion U Surgical Robotics—Enhancing the Surgeon in the Loop
	9:40	<b>Maxim Kristalny</b> , Technion Optimal Control in Delayed Bilateral Teleoperation
	10:20	<i>Coffee break</i>
network control	10:50	<b>Daniel Zelazo</b> , Technion Uncertain Consensus Networks: Robustness and its Connection to Effective Resistance
	11:30	<b>Giacomo Como</b> , Lund U Resilient Distributed Routing in Dynamical Flow Networks
	12:10	<i>Lunch</i> (Forchheimer)
distributed & traffic control	14:00	<b>Anders Rantzer</b> , Lund U Scalable Control of Positive Systems
	14:40	<b>Karl Henrik Johansson</b> , KTH Control and Optimization of Cooperative Driving for Road Goods Transportation
	15:20	<b>Jack Haddad</b> , Technion Optimal Perimeter Control Synthesis for Two Urban Regions with Boundary Queue Dynamics
	16:00	<i>Coffee break</i>
keynote	16:30	<b>Karl Johan Åström</b> , Lund U Control—A Perspective
	17:30	<i>Farewell</i>