

Tuesday, 21 August 2007

Wednesday, 22 August 2007

Thursday, 23 August 2007

Friday, 24 August 2007

8:30-17:10	Registration				
9:00-10:00	Plenary 2				
10:10-10:40	SP1	SP2			
10:40-11:10	Coffee				
11:10-13:10	S1 ATF- NMPC	S5 NSCN-I	S10 NMST	S15 PDE-I	S19 NMI
13:10-14:10	Lunch				
14:10-14:40	SP3	SP4			
14:50-16:40	S2 ACT- NMPC	S6 NSCN-II	S11 MANS	S16 PDE-II	S20 MBFDA
16:40-17:10	Coffee				

8:30-17:10	Registration				
9:00-10:00	Plenary 3				
10:10-10:40	SP5	SP6			
10:40-11:10	Coffee				
11:10-13:10	S3 NA- NMPC	S7 ONS	S12 NASS	S17 TNS	S21 BBS
13:10-14:10	Lunch				TC Meeting
14:10-14:40	SP7	SP8			
14:50-16:40	S4 MPCA	S8 RENS	S13 SSSNI	S18 AANS	S22 NECBS
16:40-17:10	Coffee				

8:30-15:40	Registration				
9:00-9:30	SP9	SP10			
9:40-10:40	Poster 1	Poster 2			
10:40-11:10	Coffee				
11:10-13:10	S25 NCIA	S9 RONS	S14 NSS	S24 NCPED	S23 LANS
13:10-14:10	Lunch				
14:10-15:10	Plenary 4				
15:10-15:40	Closing Ceremony				

Technical Tours 09:00 - 16:00

13:00-16:00	Registration
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16:20-16:50	Opening
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16:50-17:50	Plenary 1
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17:50-19:30	Cocktail Reception
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19:00-21:00	Banquet
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Technical Tours 09:00 - 16:00

13:00-16:00

Registration

16:20-16:50

Opening

Prof. CWI Pistorius, Principal and Vice Chancellor, University of Pretoria

16:50-17:50

Plenary 1

The Pebble Bed Modular Reactor and the usage of systems engineering to establish new standards for the nuclear revival

Willie Theron, Pebble Bed Modular Reactor Ltd, South Africa

17:50-19:30

Cocktail Reception

8:30-17:10	Registration				
9:00-10:00	<p align="center">Plenary 2 A unifying point of view on output feedback designs Laurent Praly, Ecole des Mines de Paris, France</p>				
10:10-10:40	<p align="center">Semi-Plenary 1 Nonlinear control of PDEs: Are feedback linearization and geometric methods applicable? Miroslav Krstic, University of California, San Diego, USA</p>		<p align="center">Semi-Plenary 2 Control by (state-modulated) interconnection of port Hamiltonian systems Arjan van der Schaft, University of Groningen, The Netherlands</p>		
10:40-11:10	Coffee				
11:10-13:10	<p align="center">S1 ATF-NMPC Advances in theoretical foundations of NMPC</p>	<p align="center">S5 NSCN-I Nonlinear system complexity and networking I</p>	<p align="center">S10 NMST Nonlinear mathematical systems theory</p>	<p align="center">S15 PDE-I Boundary control of nonlinear PDEs I</p>	<p align="center">S19 NMI Nonlinear modeling and identification</p>
13:10-14:10	Lunch				
14:10-14:40	<p align="center">Semi Plenary 3 Controllability of Switched Systems Daizhan Cheng, Institute of Systems Science, Chinese Academy of Sciences, China</p>		<p align="center">Semi-Plenary 4 Nonlinear output regulation and cross-terms compensation Lorenzo Marconi University of Bologna, Italy</p>		
14:40-16:40	<p align="center">S2 ACT-NMPC Advances in computational techniques of NMPC</p>	<p align="center">S6 NSCN-II Nonlinear system complexity and networking II</p>	<p align="center">S11 MANS Mathematical analysis of nonlinear systems</p>	<p align="center">S16 PDE-II Boundary control of nonlinear PDEs II</p>	<p align="center">S20 MBFDA Model based feedback design and applications</p>
16:40-17:10	Coffee				

8:30-17:10	Registration				
9:00-10:00	Plenary 3				
10:10-10:40	Semi-Plenary 5 Analysis of the HIV dynamics Claude Moog, IRCCyN CNRS, France			Semi-Plenary 6 Adding robustness to nominal output feedback controllers for nonlinear systems: A nonlinear version of disturbance observer Hyungbo Shim, Seoul National University, Korea	
10:40-11:10	Coffee				
11:10-13:10	S3 NA-NMPC Novel applications of NMPC	S7 ONS Observation of nonlinear systems	S12 NASS New approaches to stability and stabilization	S17 TNS Tracking of nonlinear systems	S21 BBS Biological and biomedical systems
13:10-14:10	Lunch				TC Meeting
14:10-14:40	Semi-Plenary 7 Networked control systems: An emulation approach to controller design Dragan Netic, The University of Melbourne, Australia			Semi-Plenary 8 Model reduction by moments' matching Alessandro Astolfi Imperial College London, UK	
14:40-16:40	S4 MPCA Model Predictive Control with applications	S8 RENS Robust estimation of nonlinear systems	S13 SSSNI Stability and stabilization of systems with nonlinearities in the input	S18 AANS Algebraic approach to nonlinear systems	S22 NECBS Nonlinear estimation and control of biochemical systems
16:40-17:10	Coffee				

Friday, 24 August 2007

8:30-15:40	Registration				
9:00-9:30	SP9		SP10		
9:40-10:40	Poster 1		Poster 2		
10:40-11:10	Coffee				
11:10-13:10	S25 NCIA Nonlinear control in industrial applications	S9 RONS Robust observers of nonlinear systems	S14 NSS Nonlinear system stabilization	S24 NCPED Nonlinear control in power and electrical drives	S23 LANS Lab applications of nonlinear systems
13:10-14:10	Lunch				
14:10-15:10	Plenary session 4 Taking advantage of homogeneity: A unified framework for output feedback control of nonlinear systems Wei Lin, Case Western Reserve University, USA				
15:10-15:40	Closing Ceremony				

Date	Start Time	End Time	Paper
21/08/2007	04:50:00 PM	05:50:00 PM	The Pebble Bed Modular Reactor and the Usage of Systems Engineering to Establish New Standards for the Nucl Willie Theron, Dieter Matzner and Louwrence Erasmus South Africa

Date	Start Time	End Time	Paper
22/08/2007	09:00:00 AM	10:00:00 AM	A unifying point of view on output feedback designs Vincent ANDRIEU and Laurent PRALY France

Date	Start Time	End Time	Paper
22/08/2007	10:10:00 AM	11:40:00 AM	NONLINEAR CONTROL OF PDES: ARE FEEDBACK LINEARIZATION AND GEOMETRIC METHODS APPLICA Miroslav Krstic and Rafael Vazquez United States

Date	Start Time	End Time	Paper
22/08/2007	10:10:00 AM	11:40:00 AM	Control by (state-modulated) interconnection of port-Hamiltonian systems Romeo Ortega, Arjan van der Schaft, Fernando Castanos and Alessandro Astolfi Netherlands

Date	Start Time	End Time	Paper
22/08/2007	11:10:00 AM	11:30:00 AM	Tube-based robust nonlinear model predictive control David Q. Mayne and Eric C. Kerrigan United Kingdom
22/08/2007	11:30:00 AM	11:50:00 AM	REGIONAL INPUT-TO-STATE STABILITY OF MIN-MAX MODEL PREDICTIVE CONTROL Davide Martino Raimondo, Daniel Limon, Mircea Lazar, Lalo Magni and Eduardo Fernandez Italy
22/08/2007	11:50:00 AM	12:10:00 PM	Model Predictive Control of Continuous Time Nonlinear Differential Algebraic Systems Johan Sjöberg, Rolf Findeisen and Frank Allgöwer Germany
22/08/2007	12:10:00 PM	12:30:00 PM	A DECENTRALIZED MPC ALGORITHM FOR NONLINEAR SYSTEMS Davide Martino Raimondo, Lalo Magni and Riccardo Scattolini Italy
22/08/2007	12:30:00 PM	12:50:00 PM	Model Predictive Control for Nonlinear Time-Delay Systems Tobias Raff, Carsten Angrick, Rolf Findeisen, Jung-Su Kim and Frank Allgöwer Germany

Date	Start Time	End Time	Paper
22/08/2007	11:10:00 AM	11:30:00 AM	Quantitative convergence analysis of multi-agent systems S. Emre Tuna and Rodolphe Sepulchre Belgium
22/08/2007	11:30:00 AM	11:50:00 AM	ENTROPY OF CURVES FOR NONLINEAR SYSTEMS CLASSIFICATION Aldo BALESTRINO, Andrea CAITI and Emanuele CRISOSTOMI Italy
22/08/2007	11:50:00 AM	12:10:00 PM	A model for the dynamical process of cluster formation Dirk Aeyels and Filip De Smet Belgium
22/08/2007	12:10:00 PM	12:30:00 PM	A Non-equilibrium Analysis and Control Framework for Communication Networks Tansu Alpcan, Paul Wang, Prashant G. Mehta and Tamer Basar Germany
22/08/2007	12:30:00 PM	12:50:00 PM	A Lyapunov ISS small-gain theorem for strongly connected networks Sergey N. Dashkovskiy, Björn S. Rüffer and Fabian R. Wirth Germany

Date	Start Time	End Time	Paper
22/08/2007	11:10:00 AM	11:30:00 AM	Computing the settling time for nonlinear step responses Torkel Glad Sweden
22/08/2007	11:30:00 AM	11:50:00 AM	A trajectory based approach for robust stability properties of infinite-dimensional systems Ying Tan, Dragan Nesic and Andrew Teel Australia
22/08/2007	11:50:00 AM	12:10:00 PM	Reduced Dynamic Inversion for Planar and Spatial Vehicles Alessandro Saccon, John Hauser and Ruggero Frezza Italy
22/08/2007	12:10:00 PM	12:30:00 PM	The Driven Rolling Torus John Hauser and Alessandro Saccon United States
22/08/2007	12:30:00 PM	12:50:00 PM	Ensemble Control on Lie Groups Jr-Shin Li and Navin Khaneja United States
22/08/2007	12:50:00 PM	01:10:00 PM	Homogeneous Eigenvalue Analysis for Complex Homogeneous Systems Nami Nakamura, Hisakazu Nakamura, Yuh Yamashita and Hirokazu Nishitani Japan

Date	Start Time	End Time	Paper
22/08/2007	11:10:00 AM	11:30:00 AM	ON UNIFORM STABILIZATION OF A SEMILINEAR WAVE EQUATION WITH VARIABLE COEFFICIENTS UNDER Zhi-Chao Shao and Bao-Zhu Guo South Africa
22/08/2007	11:30:00 AM	11:50:00 AM	On the Boundary Control of Kirchhoff's Nonlinear String Omer Morgul and Shahram Shahruz Turkey
22/08/2007	11:50:00 AM	12:10:00 PM	Tracking control for a diffusion-convection-reaction system: combining flatness and backstepping Thomas Meurer and Andreas Kugi Austria
22/08/2007	12:10:00 PM	12:30:00 PM	Boundary Control Laws for Parabolic PDEs with Volterra Nonlinearities---Part I: Design Rafael Vazquez and Miroslav Krstic Spain
22/08/2007	12:30:00 PM	12:50:00 PM	Boundary Control Laws for Parabolic PDEs with Volterra Nonlinearities---Part III: Analysis Rafael Vazquez and Miroslav Krstic Spain

Date	Start Time	End Time	Paper
22/08/2007	11:10:00 AM	11:30:00 AM	Identification of the inertia matrix of a rotating body based on errors-in-variables models Byung-Eul Jun, Dennis Bernstein and Harris McClamroch Republic of Korea
22/08/2007	11:30:00 AM	11:50:00 AM	Using Manifold Learning for Nonlinear System Identification Henrik Ohlsson, Jacob Roll, Lennart Ljung and Torkel Glad Sweden
22/08/2007	11:50:00 AM	12:10:00 PM	Model Reduction of Nonlinear Differential-Algebraic Equations Johan Sjöberg, Torkel Glad and Kenji Fujimoto Sweden
22/08/2007	12:10:00 PM	12:30:00 PM	Port-based Finite Element Model of a Flexible Link Alessandro Macchelli, Stefano Stramigioli and Claudio Melchiorri Italy
22/08/2007	12:30:00 PM	12:50:00 PM	Approximation of fast species in kinetic networks using non-negative polynomials Klaas Martijn Nauta, Siep Weiland and Ton Backx Netherlands
22/08/2007	12:50:00 PM	01:10:00 PM	An identifiable control oriented dynamic friction model Luis Alvarez-Icaza and René Jiménez Mexico

Date	Start Time	End Time	Paper
22/08/2007	02:10:00 PM	02:40:00 PM	Controllability of Switched Systems Daizhan Cheng China

Date	Start Time	End Time	Paper
22/08/2007	02:10:00 PM	02:40:00 PM	Nonlinear output regulation and cross-terms compensation Lorenzo Marconi Italy

Date	Start Time	End Time	Paper
22/08/2007	02:50:00 PM	03:10:00 PM	A practical approach to predictive control for nonlinear processes Agustinho Plucenio, Daniel Pagano, Augusto Bruciapaglia and Julio E. Normey-Rico Brazil
22/08/2007	03:10:00 PM	03:30:00 PM	A STABILISING NONLINEAR PREDICTIVE CONTROL STRATEGY Smaranda Cristea and Cesar de Prada Spain
22/08/2007	03:30:00 PM	03:50:00 PM	Input to State Stabilising Nonlinear Model Predictive Control based on QP Jose Mare, Mircea Lazar and Jose De Dona Australia
22/08/2007	03:50:00 PM	04:10:00 PM	ADAPTIVE ROBUST MPC: AN EYE TOWARDS COMPUTATIONAL SIMPLICITY Darryl Dehaan, Veronica Adetola and Martin Guay Canada
22/08/2007	04:10:00 PM	04:30:00 PM	An Online Active Set Strategy for Fast Adjoint Based Nonlinear Model Predictive Control Leonard Wirsching, Hans Joachim Ferreau, Hans Georg Bock and Moritz Diehl Germany

Date	Start Time	End Time	Paper
22/08/2007	02:50:00 PM	03:10:00 PM	Robust structural synchronization in dynamical complex networks Sergej Celikovsky, Volodymyr Lynnyk and Guanrong Chen Czech Republic
22/08/2007	03:10:00 PM	03:30:00 PM	Grazing Analysis for Synchronization of chaotic hybrid system Djamila Benmerzouk and Jean-Pierre Barbot France
22/08/2007	03:30:00 PM	03:50:00 PM	Performance Control of Aggregate QoS Networking Processes Alexandru Murgu United Kingdom
22/08/2007	03:50:00 PM	04:10:00 PM	SWITCHED UNCERTAIN LINEAR SYSTEMS CONTROL BY ROBUST H _{inf} SMC SYNTHESIS Jie Lian, Georgi Marko Dimirovski and Jun Zhao Turkey

Date	Start Time	End Time	Paper
22/08/2007	02:50:00 PM	03:10:00 PM	Improving Convergence of Perturbation-based Extremum Seeking Methods for a class of differentially flat systems Moncef Chioua, Bala Srinivasan, Michel Perrier and Martin Guay Canada
22/08/2007	03:10:00 PM	03:30:00 PM	Growth rate of switched homogeneous system S. Emre Tuna Belgium
22/08/2007	03:30:00 PM	03:50:00 PM	ABOUT THE OBSERVABILITY OF NONLINEAR SWITCHING SYSTEMS Rudy Kajdan, Didier Aubry and Frédéric Kratz France
22/08/2007	03:50:00 PM	04:10:00 PM	A Basic Convergence Result for Particle Filtering Xiao-Li Hu, Thomas B. Schön and Lennart Ljung Sweden
22/08/2007	04:10:00 PM	04:30:00 PM	Classification and Control for Driftless System in view of Parameter Error in Coordinate Transformation Tadasuke Matsumoto, Shigeki Nakaura and Mitsuji Sampei Japan
22/08/2007	04:30:00 PM	04:50:00 PM	Conservation laws for invariant functionals containing compositions Gastao S. F. Frederico and Delfim F. M. Torres Portugal

Date	Start Time	End Time	Paper
22/08/2007	02:50:00 PM	03:10:00 PM	Motion Planning for the heat equation with Radiation Boundary Conditions based on Finite Difference Semi-Discrete Tilman Utz, Thomas Meurer and Andreas Kugi Austria
22/08/2007	03:10:00 PM	03:30:00 PM	BOUNDARY CONTROL OF SYSTEMS OF CONSERVATION LAWS : LYAPUNOV STABILITY WITH INTEGRAL Valérie Dos Santos, Georges Bastin, Jean-Michel Coron and Brigitte d'Andréa-Novel Belgium
22/08/2007	03:30:00 PM	03:50:00 PM	Model based pipeline monitoring with leak detection Espen Hauge, Ole Morten Aamo and John-Morten Godhavn Norway
22/08/2007	03:50:00 PM	04:10:00 PM	Backstepping Boundary Control of Magnetohydrodynamic Channel Flow Rafael Vazquez, Eugenio Schuster and Miroslav Krstic Spain
22/08/2007	04:10:00 PM	04:30:00 PM	Boundary Control Laws for Parabolic PDEs with Volterra Nonlinearities---Part II: Examples Rafael Vazquez and Miroslav Krstic Spain

Date	Start Time	End Time	Paper
22/08/2007	02:50:00 PM	03:10:00 PM	Model Reduction of Nonlinear Systems: A Grey-Box Modeling Approach Leyla Ozkan, Reinout Romijn, Siep Weiland, Wolfgang Marquardt and Jobert Ludlage Netherlands
22/08/2007	03:10:00 PM	03:30:00 PM	A State Feedback Control Methodology for Nonlinear Systems with Time/State Dependent Input Delay Gildas Besancon, Didier Georges and Zohra Benayache France
22/08/2007	03:30:00 PM	03:50:00 PM	Computing feasible trajectories for control-constrained systems: the PVTOL example Giuseppe Notarstefano, John Hauser and Ruggero Frezza Italy
22/08/2007	03:50:00 PM	04:10:00 PM	REDUCTION OF AMPLITUDE DEPENDENT GAIN VARIATIONS IN CONTROL OF NON-LINEAR WIENER TYP Torbjorn Wigren and Linda Brus Sweden
22/08/2007	04:10:00 PM	04:30:00 PM	Adaptive control redesign for nonlinear sampled-data systems Laurent Burlion, Tarek Ahmed-Ali, Romain Postoyan and Françoise Lamnabhi-Lagarrigue France
22/08/2007	04:30:00 PM	04:50:00 PM	Output feedback regulation of a flexible joint manipulator Miguel Rios-Bolivar and Alirio Navas Venezuela

Date	Start Time	End Time	Paper
23/08/2007	10:10:00 AM	11:40:00 AM	Analysis of the HIV dynamics Claude Moog, Djomangan Adama Ouattara and Marie-José Mhawej France

Date	Start Time	End Time	Paper
23/08/2007	10:10:00 AM	11:40:00 AM	Analysis and Synthesis of Disturbance Observer as a Tool for Nonlinear Robust Control Juhoon Back and Hyungbo Shim Republic of Korea

Date	Start Time	End Time	Paper
23/08/2007	11:10:00 AM	11:30:00 AM	ASSESSMENT OF NONLINEAR PREDICTIVE CONTROL TECHNIQUES FOR DC-DC CONVERTERS A.G. Beccuti, M. Lazar, W.P.M.H Heemels, G. Papafotiou and M. Morari Switzerland
23/08/2007	11:30:00 AM	11:50:00 AM	Predictive control with robust dead-time compensation: Application to drug dosing during anesthesia Bismark Torrico, Robin De Keyser, Clara Ionescu and Julio E. Normey-Rico Brazil
23/08/2007	11:50:00 AM	12:10:00 PM	Mixed Integer Predictive Control of a Buck Boost Converter Daniel Sarabia, Martín J. Pomar, Julio E. Normey-Rico and César de Prada Brazil
23/08/2007	12:10:00 PM	12:30:00 PM	APPLICATION of a SMITH PREDICTOR based NONLINEAR PREDICTIVE CONTROLLER to a SOLAR POWER P Manuel Gálvez-Carrillo, Robin De Keyser and Clara Ionescu Belgium
23/08/2007	12:30:00 PM	12:50:00 PM	Fast NMPC of a DC-DC converter: An exact Newton real-time iteration approach Julian Bonilla, Robin De Keyser, Moritz Diehl and Jairo Espinosa Belgium

Date	Start Time	End Time	Paper
23/08/2007	11:10:00 AM	11:30:00 AM	Discussions on observability and invertibility Wei Kang and Jean-Pierre Barbot United States
23/08/2007	11:30:00 AM	11:50:00 AM	Observer Design via Absolute Stability for a Class of Nonlinear Descriptor Systems Tobias Raff and Frank Allgöwer Germany
23/08/2007	11:50:00 AM	12:10:00 PM	SINGLE OUTPUT DEPENDENT QUADRATIC OBSERVABILITY NORMAL FORM Zheng Gang, Boutat Driss and Barbot Jean-Pierre France
23/08/2007	12:10:00 PM	12:30:00 PM	State estimation for two output systems in Discrete Time CLAUDIA CALIFANO, SALVATORE MONACO and DOROTHEE NORMAND-CYROT Italy
23/08/2007	12:30:00 PM	12:50:00 PM	A generalized normal form and nonlinear outputs for a cascade observer Driss Boutat, Salim Chaib, Frédéric Kratz and Hassan Hammouri France
23/08/2007	12:50:00 PM	01:10:00 PM	Homogeneous observers with dynamic high gains Vincent Andrieu, Laurent Praly and Alessandro Astolfi United Kingdom

Date	Start Time	End Time	Paper
23/08/2007	11:10:00 AM	11:30:00 AM	Constructive Safety using Control Barrier Functions Peter Wieland and Frank Allgower Germany
23/08/2007	11:30:00 AM	11:50:00 AM	Relaxed characterizations of smooth patchy control Lyapunov functions Rafal Goebel, Christophe Prieur and Andrew R. Teel France
23/08/2007	11:50:00 AM	12:10:00 PM	Uniting local and global output feedback controllers Christophe Prieur and Andrew R. Teel France
23/08/2007	12:10:00 PM	12:30:00 PM	Transitions between limit cycles for an underactuated system: virtual holonomic constraints approach Leonid Freidovich, Anton Shiriaev and Ian Manchester Sweden
23/08/2007	12:30:00 PM	12:50:00 PM	Port-contact systems in bilateral telemanipulation Cristian Secchi, Stefano Stramigioli and Cesare Fantuzzi Italy
23/08/2007	12:50:00 PM	01:10:00 PM	Port-based Energy Balance on Compact Manifolds Gou Nishida, Ryuji Enomoto, Masaki Yamakita and Zhiwei Luo Japan

Date	Start Time	End Time	Paper
23/08/2007	11:10:00 AM	11:30:00 AM	OUTPUT REGULATION: GEOMETRIC VIEWPOINTS Francesco Delli Priscoli, Alberto Isidori and Marconi Lorenzo Italy
23/08/2007	11:30:00 AM	11:50:00 AM	Towards a model-free output tracking of switched nonlinear systems Romain Bourdais, Michel Fliess, Cédric Join and Wilfrid Perruquetti France
23/08/2007	11:50:00 AM	12:10:00 PM	Generalized nonlinear maneuver regulation Jiangfeng Zhang South Africa
23/08/2007	12:10:00 PM	12:30:00 PM	TRACKING OF NONHOLONOMIC CHAINED-FORM SYSTEMS WITHOUT PERSISTENT EXCITATION Yu-Ping Tian and Ke-Cai Cao China
23/08/2007	12:30:00 PM	12:50:00 PM	Straight line path following for formations of underactuated surface vessels Alexey Pavlov, Even Børhaug, Elena Panteley and Kristin Yttersatd Pettersen Norway
23/08/2007	12:50:00 PM	01:10:00 PM	A new perspective on stable inversion of non-minimum phase nonlinear systems Alexey Pavlov and Kristin Y. Pettersen Norway

Date	Start Time	End Time	Paper
23/08/2007	11:10:00 AM	11:30:00 AM	On stability of a combined Gleevec and immune model chronic in leukemia: Exploiting delay system structure Silviu-Iulian Niculescu, Peter Kim, Peter Lee and Doron Levy France
23/08/2007	11:30:00 AM	11:50:00 AM	Linear and nonlinear methods for gene regulatory network inference Nicola Soranzo, Ginestra Bianconi and Claudio Altafini Italy
23/08/2007	11:50:00 AM	12:10:00 PM	BIFURCATION ANALYSIS OF THE CONTROL MECHANISM OF PACEMAKER ACTIVITY IN A MATHEMATICA Karima DJABELLA, Mayer LANDAU and Michel SORINE France
23/08/2007	12:10:00 PM	12:30:00 PM	A direct-reverse time interval observer. Application to biotechnological models. Marcelo Moisan and Olivier Bernard France
23/08/2007	12:30:00 PM	12:50:00 PM	Modelling of the co-infection dynamics of HIV-1 and M. tuberculosis Eben Francois du Toit South Africa
23/08/2007	12:50:00 PM	01:10:00 PM	ANAYSIS AND CONTROL DESIGN FOR HUMAN POSTURAL BALANCING SYSTEMS Chun-Liang Lin, Ching-Lung Li and Yu-Che Lin Taiwan Province of China

Date	Start Time	End Time	Paper
23/08/2007	02:10:00 PM	02:40:00 PM	NETWORKED CONTROL SYSTEMS: AN EMULATION APPROACH TO CONTROLLER DESIGN Dragan Nesic Australia

Date	Start Time	End Time	Paper
23/08/2007	02:10:00 PM	02:40:00 PM	MODEL REDUCTION BY MOMENT MATCHING Alessandro Astolfi United Kingdom

Date	Start Time	End Time	Paper
23/08/2007	02:50:00 PM	03:10:00 PM	On Relaxations Applicable to Model Predictive Control for Systems with Binary Control Signals Daniel Axehill, Lieven Vandenberghe and Anders Hansson Sweden
23/08/2007	03:10:00 PM	03:30:00 PM	Nonlinear Model Predictive Control of a Fast Parallel Robot Actuated by Pneumatic Muscles Dominik Schindele and Harald Aschemann Germany
23/08/2007	03:30:00 PM	03:50:00 PM	GEOMETRIC CONSTRUCTION OF PERIODIC TRAJECTORIES Kai Hoeffner, Nicolas Hudon and Martin Guay Canada
23/08/2007	03:50:00 PM	04:10:00 PM	NETWORKED DECENTRALIZED MPC FOR UNICYCLE VEHICLES FORMATION Massimo Vaccarini and Sauro Longhi Italy
23/08/2007	04:10:00 PM	04:30:00 PM	AN INTELLIGENT GENERALIZED PREDICTIVE CONTROLLER FOR SHIP STEERING YaoHua Hu, SuWu Xu and Zongnian Zhang China
23/08/2007	04:30:00 PM	04:50:00 PM	Stabilizing output feedback receding horizon control of sampled-data nonlinear systems via their approximate disc Ahmed Elaiw Egypt

Date	Start Time	End Time	Paper
23/08/2007	02:50:00 PM	03:10:00 PM	Nonlinear unknown input observer on a stochastic framework Thibault CHEVIRON, Franck PLESTAN and Abdelhamid CHRIETTE France
23/08/2007	03:10:00 PM	03:30:00 PM	Robust H-infinity Filtering for a Class of Nonlinear Discrete-Time Systems Daniel F. Coutinho, Carlos E. de Souza and Karina A. Barbosa Brazil
23/08/2007	03:30:00 PM	03:50:00 PM	A STOCHASTIC ROBUSTNESS APPROACH TO DESIGNING UNKNOWN INPUT OBSERVERS FOR NON-LIN Marcin Witczak, Przemyslaw Pretki and Jozef Korbicz Poland
23/08/2007	03:50:00 PM	04:10:00 PM	On the Hamiltonian Techniques for Designing Nonlinear Observers under Set-membership Uncertainty Mikhail Gusev and Alexander Kurzhanski Russian Federation
23/08/2007	04:10:00 PM	04:30:00 PM	ANALYSIS OF HOPF BIFURCATION FOR AN INTERNET CONGESTION CONTROL SYSTEM Mohammad Reza Jahed Motlagh, Behrooz Rezaie, Siavash Khorsandi and Morteza Analoui Iran (Islamic Republic of)
23/08/2007	04:30:00 PM	04:50:00 PM	ROBUST TRAJECTORY TRACKING FOR A CLASS OF UNCERTAIN NONLINEAR SYSTEMS Engelbert Gruenbacher and Luigi del Re Austria

Date	Start Time	End Time	Paper
23/08/2007	02:50:00 PM	03:10:00 PM	Stabilization of a class of nonlinear systems with saturating actuators via sliding mode control Maria Letizia Corradini, Giuseppe Orlando, Valentina Orsini and Gianfranco Parlangeli Italy
23/08/2007	03:10:00 PM	03:30:00 PM	ROBUST ADAPTIVE CONTROL OF NONLINEAR SYSTEMS WITH UNKNOWN INPUT HYSTERESIS WITH KP Yu-Feng Wang, Chun-Yi Su and Henry Hong Canada
23/08/2007	03:30:00 PM	03:50:00 PM	Stability Analysis for Systems with Backlash and Saturated actuator Sophie Tarbouriech and Christophe Prieur France
23/08/2007	03:50:00 PM	04:10:00 PM	A PRACTICAL METHOD FOR FIXED-ORDER ANTI-WINDUP DESIGN Jean-Marc BIANNIC, Clément ROOS and Sophie TARBOURIECH France
23/08/2007	04:10:00 PM	04:30:00 PM	Stability Criteria for Rate Limited Lur'e Systems with Connections to Magnitude Limits and Anti-windup Murray Kerr, Matthew Turner and Ian Postlethwaite United Kingdom
23/08/2007	04:30:00 PM	04:50:00 PM	Nonlinear L2 anti-windup for enlarged stability regions and regional performance Sergio Galeani, Simona Onori, Andrew R. Teel and Luca Zaccarian Italy

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23/08/2007	02:50:00 PM	03:10:00 PM	Construction of Flat Outputs by Reduction and Elimination Kurt Schlacher and Markus Schöberl Austria
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23/08/2007	03:30:00 PM	03:50:00 PM	ON AUTOMATIC SEEKING OF OPTIMAL STEADY-STATES IN BIOCHEMICAL PROCESSES Georges Bastin, Dragan Nesic, Ying Tan and Iven Mareels Belgium
23/08/2007	03:50:00 PM	04:10:00 PM	A formal framework for multiplicity detection and its implications in robust control of biochemical networks Irene Otero-Muras, Antonio A. Alonso and Julio R. Banga Spain
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Driss Boutat
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24/08/2007	12:50:00 PM	01:10:00 PM	An algebraic parameter estimation approach for the adaptive observer-controller based regulation of the "boost" c Hebertt Sira-Ramirez, Mario Spinetti-Rivera and Enric Fossas-Collet Mexico

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24/08/2007	11:10:00 AM	11:30:00 AM	A note on robust nonlinear control of feedforward systems with unmodeled dynamics Tianshi Chen and Jie Huang Hong Kong Special Administrative R
24/08/2007	11:30:00 AM	11:50:00 AM	Some results on robust output feedback stabilization of nonlinear systems Lorenzo Marconi and Laurent Praly Italy
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24/08/2007	12:30:00 PM	12:50:00 PM	ON FEEDBACK STABILIZATION OF NONAFFINE DISCRETE TIME NONLINEAR SYSTEMS WITH TIME DELA woihida Aggoune France

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24/08/2007	11:10:00 AM	11:30:00 AM	The gap between nonlinear control theories and applications in power systems Yuanzhang Sun and Fang Yang China
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24/08/2007	11:10:00 AM	11:30:00 AM	A Note on the Control of a Spherical Inverted Pendulum Guangyu Liu, Mareels Iven and Nestic Dragan Australia
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24/08/2007	11:50:00 AM	12:10:00 PM	A Velocity Estimator relying on Friction Observer: Application to inverted pendulum stabilization Roland Lenain, Anders Robertsson, Rolf Johansson, Anton Shiriaev and Michel Berducat France
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24/08/2007	12:30:00 PM	12:50:00 PM	Discrete-time model reference controller design for a combustion engine test bench Dina Shona Laila, Engelbert Gruenbacher and Luigi del Re Austria

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24/08/2007	02:10:00 PM	03:10:00 PM	TAKING ADVANTAGE OF HOMOGENEITY: A UNIFIED FRAMEWORK FOR OUTPUT FEEDBACK CONTROL Wei Lin United States
