

Tuesday, 21 August 2007

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|-------------|--------------------|
| 13:00-16:00 | Registration |
| 16:20-16:50 | Opening |
| 16:50-17:50 | Plenary 1 |
| 17:50-19:30 | Cocktail Reception |

Technical Tours 09:00 - 16:00

Wednesday, 22 August 2007

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|-------------|--------------------|------------|-------------|---------------|--------------|
| 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 NCS | 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 | S11 MANS | S16 PDE-II | S20 MBFDA |
| 16:40-17:10 | Coffee | | | | |

Thursday, 23 August 2007

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|-------------|-------------------|------------|--------------|-------------|--------------|
| 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 | | | | |

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|-------------|---------|
| 19:00-21:00 | Banquet |
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Friday, 24 August 2007

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|-------------|------------------|------------|------------|--------------|-------------|
| 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

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

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|-------------|--|---|--|--|---|
| 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 NCS New complex systems</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 Nonlinear system complexity and networking</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 | | | | |

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|-------------|--|--|---|--|---|
| 8:30-17:10 | Registration | | | | |
| 9:00-10:00 | <p align="center">Plenary 3 Probing biological cell networks using mathematical models Robin L. Raffard, Keith Amonlirdviman, Jeffrey D. Axelrod, Stanford University, USA Claire J. Tomlin, UC Berkeley, USA</p> | | | | |
| 10:10-10:40 | <p align="center">Semi-Plenary 5 Analysis of the HIV dynamics Claude Moog, IRCCyN CNRS, France</p> | | <p align="center">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</p> | | |
| 10:40-11:10 | Coffee | | | | |
| 11:10-13:10 | <p align="center">S3 NA-NMPC Novel applications of NMPC</p> | <p align="center">S7 ONS Observation of nonlinear systems</p> | <p align="center">S12 NASS New approaches to stability and stabilization</p> | <p align="center">S17 TNS Tracking of nonlinear systems</p> | <p align="center">S21 BBS Biological and biomedical systems</p> |
| 13:10-14:10 | Lunch | | | | TC Meeting |
| 14:10-14:40 | <p align="center">Semi-Plenary 7 Networked control systems: An emulation approach to controller design Dragan Nesic, The University of Melbourne, Australia</p> | | <p align="center">Semi-Plenary 8 Model reduction by moments' matching Alessandro Astolfi Imperial College London, UK</p> | | |
| 14:40-16:40 | <p align="center">S4 MPCA Model Predictive Control with applications</p> | <p align="center">S8 RENS Robust estimation of nonlinear systems</p> | <p align="center">S13 SSSNI Stability and stabilization of systems with nonlinearities in the input</p> | <p align="center">S18 AANS Algebraic approach to nonlinear systems</p> | <p align="center">S22 NECBS Nonlinear estimation and control of biochemical systems</p> |
| 16:40-17:10 | Coffee | | | | |

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|-------------|--|--|--|--|--|
| 19:00-21:00 | <p align="center">Banquet Chez Charlene</p> | | | | |
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Friday, 24 August 2007

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|-------------|---|--|---|---|---|
| 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 general framework for output feedback control of nonlinear systems Wei Lin, Case Western Reserve University, USA | | | | |
| 15:10-15:40 | Closing Ceremony | | | | |

Papers

| 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 Nuc 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 | SWITCHED UNCERTAIN LINEAR SYSTEMS CONTROL BY ROBUST H _{inf} SMC SYNTHESIS Jie Lian, Georgi Marko Dimirovski and Jun Zhao Turkey |
| 22/08/2007 | 12:30:00 PM | 12:50:00 PM | DATA BASED QUANTIFICATION OF SYSTEM NONLINEARITY Shoukat Choudhury and Sirish Shah Canada |

| 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 UND 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 Celikovskiy, 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 | A Non-equilibrium Analysis and Control Framework for Communication Networks Tansu Alpcan, Paul Wang, Prashant G. Mehta and Tamer Basar Germany |
| 22/08/2007 | 04:10:00 PM | 04:30:00 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 | 02:50:00 PM | 03:10:00 PM | Improving Convergence of Perturbation-based Extremum Seeking Methods for a class of differentially flat system 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 |
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| 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-Discr 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 INTEGRA 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 |

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|------------|-------------|-------------|---|
| 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 | 09:00:00 AM | 10:00:00 AM | PROBING BIOLOGICAL CELL NETWORKS USING MATHEMATICAL MODELS Robin Raffard, Keith Amonlirdvima, Jeffrey Axelrod and Claire Tomlin United States |

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|------------|-------------|-------------|---|
| 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 |
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| 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 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 |
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| 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 | SINGLE OUTPUT DEPENDENT QUADRATIC OBSERVABILITY NORMAL FORM Zheng Gang, Boutat Driss and Barbot Jean-Pierre France |
| 23/08/2007 | 11:50:00 AM | 12:10:00 PM | Observer Design via Absolute Stability for a Class of Nonlinear Descriptor Systems Tobias Raff and Frank Allgöwer Germany |
| 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 |

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| 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 |
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| 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 |
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| 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 |

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| 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 |
| 23/08/2007 | 03:10:00 PM | 03:30:00 PM | Generalized state equations for continuous-time bilinear input-output equations: removing the input derivatives Tanel Mullari, Ule Kotta, Palle Kotta and Alan Zinober Estonia |
| 23/08/2007 | 03:30:00 PM | 03:50:00 PM | Irreducibility conditions for nonlinear input-output equations on homogeneous time scales Zbigniew Bartosiewicz, Ule Kotta, Ewa Pawluszewicz and Malgorzata Wyrwas Estonia |
| 23/08/2007 | 03:50:00 PM | 04:10:00 PM | Pseudo-linear algebra: a powerful tool in unification of the study of nonlinear control systems Miroslav Halás and Ule Kotta Slovakia |
| 23/08/2007 | 04:10:00 PM | 04:30:00 PM | The Pole-Zero Structure of Nonlinear Control Systems Anna Maria Perdon, Claude Moog and Giuseppe Conte Italy |

| Date | Start Time | End Time | Paper |
|------------|-------------|-------------|--|
| 23/08/2007 | 02:50:00 PM | 03:10:00 PM | Petri Net tools for the analysis of persistence in chemical networks David Angeli, Patrick De Leenheer and Eduardo Sontag Italy |
| 23/08/2007 | 03:10:00 PM | 03:30:00 PM | Discrete-time interval observers applied to cultures of phytoplankton Guillaume Goffaux, Alain Vande Wouwer and Olivier Bernard Belgium |
| 23/08/2007 | 03:30:00 PM | 03:50:00 PM | ON AUTOMATIC SEEKING OF OPTIMAL STEADY-STATES IN BIOCHEMICAL PROCESSES Georges Bastin, Dragan Netic, 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 |
| 23/08/2007 | 04:10:00 PM | 04:30:00 PM | On The Use of Nonlinear Receding-Horizon Observers in Batch Terpolymerization Processes with Partially Unmo Mazen ALAMIR, Nida SHEIBAT-OTHMAN and Sami OTHMAN France |
| 23/08/2007 | 04:30:00 PM | 04:50:00 PM | Convergence of multi-unit optimization with non-identical units: application to the optimization of a bioreactor Lyne Woodward, Michel Perrier and Bala Srinivasan Canada |

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|------------|-------------|-------------|---|
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | An Adaptive Robust State Observer Scheme for a Class of Uncertain Nonlinear Dynamical Systems Hansheng Wu Japan |
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | CRITERIA AND TIME HORIZON IN FEEDFORWARD MPC FOR NON-LINEAR SYSTEMS WITH TIME DELAYS Torbjorn Wigren and Linda Brus Sweden |
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | Adaptive State Feedback Control of Nonlinearly Parameterized Time-Delay Systems Xiaohong Jiao, Tielong Shen and Yuanzhang Sun China |
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | Synthesis of complete orthonormal fractional basis functions with prescribed poles Huseyin Akcay Turkey |
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | ESTIMATION OF PARSIMONIOUS DISCRETE VOLTERRA SERIES Robert Harrison and Tony Dodd United Kingdom |
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | DATA-BASED VALIDATION OF NONLINEAR MODELS Matias Waller, Mikael Rönne and Henrik Saxén Finland |
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | Nonlinear control of a sequential inspection operation Meir Pachter, Phillip Chandler and Darbha Swaroop United States |
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | Nonlinear control system inversion using Lie symmetries Richard Ocaya and Brian Wigdorowitz South Africa |

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- 24/08/2007 09:40:00 AM 10:40:00 AM Constructive Transformation of Nonlinear Systems into a Special State Affine MIMO Forms and Nonlinear Observers
Ibrahim SOULEIMAN and Alain GLUMINEAU
France
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- 24/08/2007 09:40:00 AM 10:40:00 AM A foliation for unknown inputs reconstruction
Salim Chaib, Driss Boutat, Abderraouf Benali and Frédéric Kratz
France
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- 24/08/2007 09:40:00 AM 10:40:00 AM Explicit Form of Lyapunov Functions for a Class of Nonlinear Feedback Systems Augmented by Observers
Anton Shiriaev, Rolf Johansson and Anders Robertsson
Sweden
-
- 24/08/2007 09:40:00 AM 10:40:00 AM On Optimizing Nonlinear Adaptive Control Allocation With Actuator Dynamics
Johannes Tjønnås and Tor Arne Johansen
Norway
-
- 24/08/2007 09:40:00 AM 10:40:00 AM On Stability and Control of Systems with Time-Varying Sampling Period and Time Delay
Michal Izák, Daniel Görges and Steven Liu
Germany
-
- 24/08/2007 09:40:00 AM 10:40:00 AM Interpolation problems on Riemannian manifolds - a geometric approach -
Rui Rodrigues and Fátima Silva Leite
Portugal
-
- 24/08/2007 09:40:00 AM 10:40:00 AM Geometric Analysis of Time Variant Hamiltonian Control Systems
Markus Schöberl, Richard Stadlmayr and Kurt Schlacher
Austria
-
- 24/08/2007 09:40:00 AM 10:40:00 AM H-INFINITY SMOOTHER FOR LIPSCHITZ NONLINEAR SYSTEMS
Philippe Neveux and Eric Blanco
France
-

24/08/2007 09:40:00 AM 10:40:00 AM Geometrical conditions for observer error linearization via $\mathbb{R}^{0,1,\dots,(n-2)}$

Driss Boutat
France

24/08/2007 09:40:00 AM 10:40:00 AM Geometrical conditions for observer error linearization with a diffeomorphism on the outputs.

Driss Boutat, Abderraouf Benali and Hassan Hammouri
France

24/08/2007 09:40:00 AM 10:40:00 AM Multivariable RBF-ARX Model-Based Predictive Control for Nonlinear Systems

Hui Peng
China

24/08/2007 09:40:00 AM 10:40:00 AM Constrained Controllability of Semilinear Systems with Multiple Delays in Control

Klamka Jerzy
Poland

24/08/2007 09:40:00 AM 10:40:00 AM MODEL-FREE HIGH ORDER DIFFERENTIAL STATES OBSERVER FOR NONLINEAR AFFINE SYSTEM

Guoyuan Qi, Michaël Antonie van Wyk and Barend Jacobus van Wyk
South Africa

24/08/2007 09:40:00 AM 10:40:00 AM Stabilization of linear switched controlled systems

Zoltan Szabo, Jozsef Bokor and Gary Balas
Hungary

24/08/2007 09:40:00 AM 10:40:00 AM Controllability of isospectral bilinear control systems on complex flag manifolds

Claudio Altafini
Italy

24/08/2007 09:40:00 AM 10:40:00 AM Strong Feasibility in Input-Move-Blocking Model Predictive Control

Ravi Gondhalekar and Jun-ichi Imura
Japan

24/08/2007 09:40:00 AM 10:40:00 AM ROBUST FLATNESS BASED CONTROLLER DESIGN USING INTERVAL METHODS

Marco Kletting, Felix Anritter and Eberhard P. Hofer
Germany

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| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | APPLICATION OF RESET CONTROL TO A BATCH REACTOR IN THE PRECIOUS GROUP METALS INDUST Roanne Lahee South Africa |
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | AN EXTENDED UNKNOWN INPUT OBSERVER-BASED APPROACH TO FAULT DIAGNOSIS OF A TWO-TAN Jozef Korbicz and Marcin Witczak Poland |
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | Extraction of Motion for 4-Wheel Drive, 4-Wheel Steer Mobile Robot with Reduced Order Hamiltonian Model Kursat Yalcin, Murat Yesiloglu and Hakan Temeltas Turkey |
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | Feedback linearization based control of a rotational hydraulic drive Jaho Seo, Ravinder Venugopal and Jean-Pierre Kenne Canada |
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | Neural Network-based Dynamic Inversion Controller for Fighter Aircrafts Jimoh Pedro and Nicolas Meyer South Africa |
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | Identifiability of the Parameters of a Nonlinear Model of the Cerebrospinal Fluid System Ian Manchester, Kennet Andersson, Anders Eklund and Anton Shiriaev Sweden |
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | Hybrid Optimal Control of an Automated Manual Transmission System Gianluca Lucente, Marcello Montanari and Carlo Rossi Italy |
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | PID+ backstepping control of relative spacecraft attitude Thomas R. Krogstad, Raymond Kristiansen, Jan Tommy Gravdahl and Per Johann Nicklass Norway |

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|------------|-------------|-------------|---|
| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | OPTIMAL CLOSED-LOOP CONTROLLER DESIGN FOR AN ION EXCHANGE PROCESS USED FOR DESALIN |
| | | | N Dube South Africa |
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| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | Logic Based Design of Optimal Reconfiguration Strategies for Ship Power Systems |
| | | | Harry Kwatny, Ed Mensah, Dagmar Niebur, Gaurav Bajpai and Carole Teolis United States |
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| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | GPS-Denied Source Seeking for a Nonholonomic Unicycle via Heading Control |
| | | | Jennie Cochran, Antranik Siranosian, Nima Ghods, Daniel Arnold and Miroslav Krstic United States |
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| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | Model and robust control of an electropneumatic actuator on a experimental setup |
| | | | Alexis GIRIN, Franck PLESTAN, Xavier BRUN, Alain GLUMINEAU and Mohamed SMAOUI France |
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| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | Sensorless Sliding Mode Control for Electromagnet |
| | | | Pavel Shavrin, Alexander Gostkov and Sergey Kochetkov Russian Federation |
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| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | NEURO-FUZZY CONTROL OF A SINGLE POINT LATHE CUTTING TOOL |
| | | | Rapelang Marumo, Oboetse Motsamai and T Bodika Botswana |
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| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | A NEURAL NETWORK MODEL FOR CONTROL OF WASTEWATER TREATMENT PROCESSES |
| | | | Carl Kriger and Raynitchka Tzoneva South Africa |
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| 24/08/2007 | 09:40:00 AM | 10:40:00 AM | Fault-tolerant control of heavy haul trains |
| | | | Xiangtao Zhuan South Africa |
| <hr/> | | | |

24/08/2007 09:40:00 AM 10:40:00 AM Observer-Based Brake Control for Railways

Gaspar Peter, Szabo Zoltan and Bokor Jozsef
Hungary

24/08/2007 09:40:00 AM 10:40:00 AM A Flat Model Predictive Controller for Trajectory Tracking in Image Based Visual Servoing

Allibert Guillaume, Courtial Estelle and Touré Youssef
France

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|------------|-------------|-------------|--|
| 24/08/2007 | 11:10:00 AM | 11:30:00 AM | CONTROL LAWS FOR AUTOMATIC TAKE-OFF USING ROBUST NONLINEAR INVERSION TECHNIQUES Fabrice Villaume and Matthieu Jeanneau France |
| 24/08/2007 | 11:30:00 AM | 11:50:00 AM | ROBUST MPC OF A RUN-OF-MINE ORE MILLING CIRCUIT LC Coetzee and IK Craig South Africa |
| 24/08/2007 | 11:50:00 AM | 12:10:00 PM | SIMULATED NEUROCONTROL OF AN AUTOGENOUS MILL WITH EVOLUTIONARY REINFORCEMENT LEA J W De Villiers Groenewald, Chris Aldrich, Jacques J Eksteen, Alex v E Conradie and Leon South Africa |
| 24/08/2007 | 12:10:00 PM | 12:30:00 PM | MOVING HORIZON ESTIMATION FOR AN INDUSTRIAL GAS PHASE POLYMERIZATION REACTOR Jasmeer Ramlal, Kenneth Allsford, John Hedengren and John Hedengren United States |
| 24/08/2007 | 12:30:00 PM | 12:50:00 PM | A Variable Structure Adaptive Pole Placement Control Applied to the Speed Control of a Three-Phase Induction Francisco Silva Junior and Aldayr Araujo Brazil |
| 24/08/2007 | 12:50:00 PM | 01:10:00 PM | Adaptive state estimation in a shear building René Jiménez and Luis Alvarez-Icaza Mexico |

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| 24/08/2007 | 11:10:00 AM | 11:30:00 AM | Tyre/Road Friction Estimation Using a Sliding Mode Based Observer Nitin Patel, Christopher Edwards and Sarah Spurgeon United Kingdom |
| 24/08/2007 | 11:30:00 AM | 11:50:00 AM | Design of a Confidence Interval Observer - Application to Vehicle Positioning Guillaume Goffaux, Alain Vande Wouwer and Marcel Remy Belgium |
| 24/08/2007 | 11:50:00 AM | 12:10:00 PM | Sensor FDI for a class of nonlinear systems based on a sliding mode observer Xing-Gang Yan and Christopher Edwards United Kingdom |
| 24/08/2007 | 12:10:00 PM | 12:30:00 PM | Design and analysis of a nonlinear observer for a hydraulic servo system Maria Werlefors and Alexander Medvedev Sweden |
| 24/08/2007 | 12:30:00 PM | 12:50:00 PM | SLIDING MODE CONTROLLER DESIGN FOR SENSORLESS INDUCTION MOTOR: EXPERIMENTAL TESTS Dramane TRAORE, Jesus DE LEON, Alain GLUMINEAU and Luc LORON France |
| 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 |

| Date | Start Time | End Time | Paper |
|------------|-------------|-------------|---|
| 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 |
| 24/08/2007 | 11:50:00 AM | 12:10:00 PM | Matrix Set Measure for Stability of Switched Linear Systems Zhendong Sun China |
| 24/08/2007 | 12:10:00 PM | 12:30:00 PM | Stabilization of homogeneous systems using implicit control Lyapunov functions Hisakazu Nakamura, Nami Nakamura and Hirokazu Nishitani Japan |
| 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 |

| Date | Start Time | End Time | Paper |
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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 |
| 24/08/2007 | 11:50:00 AM | 12:10:00 PM | Voltage regulation in networked electrical power systems for distributed generation: a constrained supervisory ap Alessandro Casavola, Giuseppe Franze' and Natalino Carelli Italy |
| 24/08/2007 | 12:10:00 PM | 12:30:00 PM | Estimation of the region of attraction for a boost DC-AC Converter control law Carolina Albea and Francisco Gordillo Spain |
| 24/08/2007 | 12:30:00 PM | 12:50:00 PM | Tracking Control of the Angular Velocity of a DC-Motor via a Boost-Converter Felix Anritter and Johannes Tautz Germany |
| 24/08/2007 | 12:50:00 PM | 01:10:00 PM | On the generalized proportional integral multilevel sigma delta sliding mode control of a "buck" converter Hebertt Sira-Ramirez Mexico |

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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 Nesic Dragan Australia |
| 24/08/2007 | 11:30:00 AM | 11:50:00 AM | OUTPUT FEEDBACK DESIGN OF A TWIN PENDULUM SYSTEM IN PRESENCE OF SENSOR BIAS André Murilo A. Pinto and Mazen Alamir France |
| 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 |
| 24/08/2007 | 12:10:00 PM | 12:30:00 PM | Linearization Based H-inf Robust Stabilizing PID Control for Active Magnetic Bearings Fuat Gurleyen and Cagri Bahadir Turkey |
| 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 |

| Date | Start Time | End Time | Paper |
|-------------|-------------------|-----------------|---|
| 24/08/2007 | 02:10:00 PM | 03:10:00 PM | TAKING ADVANTAGE OF HOMOGENEITY: A GENERAL FRAMEWORK FOR OUTPUT FEEDBACK CONTRO Wei Lin United States |
