

# **2011 19th Mediterranean Conference on Control & Automation**

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# Content List of 19th Mediterranean Conference on Control and Automation

## Technical Program for Tuesday June 21, 2011

<b>TuAT1</b>	Kerkyra Ballroom
<b>Networked Systems I</b> (Regular Session)	
Chair: Antsaklis, Panos J.	Univ. of Notre Dame
Co-Chair: Oliva, Gabriele	Univ. degli Studi Roma Tre
08:30-08:50	TuAT1.1
<i>Passivity Indices for Symmetrically Interconnected Distributed Systems</i> , pp. 1-6.	
Wu, Po	Univ. of Notre Dame
Antsaklis, Panos J.	Univ. of Notre Dame
08:50-09:10	TuAT1.2
<i>Distributed Backstepping Control for Synchronization of Networked Class of Underactuated Systems: A Passivity Approach</i> , pp. 7-12.	
Ghommam, Jawhar	ENIS
Bouteraa, Yassine	Engineering School of Sfax, Res. unit on Intelligent Control
Mnif, Faical	Sultan Qaboos Univ.
Gérard, Poisson	Inst. Prisme Univ. d'Orléans
09:10-09:30	TuAT1.3
<i>Modeling Real Networks with Deterministic Preferential Attachment</i> , pp. 13-18.	
Oliva, Gabriele	Univ. degli Studi Roma Tre
Panzieri, Stefano	Univ. degli Studi Roma Tre
09:30-09:50	TuAT1.4
<i>Novel ODE-Type Nonlinear Smith Predictor for Networked Control Systems with Time-Varying Delay</i> , pp. 19-24.	
TENG, XUANXUAN	Hokkaido Univ.
Yamashita, Yuh	Hokkaido Univ.
09:50-10:10	TuAT1.5
<i>Robust/Reliable Stabilization of Multi-Channel Systems Via Dilated LMIs and Dissipativity-Based Certifications</i> , pp. 25-30.	
Befekadu, Getachew	Univ. of Notre Dame
Gupta, Vijay	Univ. of Notre Dame
Antsaklis, Panos J.	Univ. of Notre Dame
<b>TuAT2</b>	Ithaca
<b>Energy and Sustainability I</b> (Regular Session)	
Chair: Pedale, Anna	Univ. Pol. delle Marche
Co-Chair: Kosmatopoulos, Elias	Democritus Univ. of Thrace
08:30-08:50	TuAT2.1
<i>Building Simulation/Emulation Environments for Home Automation Systems</i> , pp. 31-38.	
Conte, Giuseppe	Univ. delle Marche
Scaradozzi, David	Univ. Pol. delle Marche
Donnini, Riccardo	Univ. Pol. delle Marche
Pedale, Anna	Univ. Pol. delle Marche
08:50-09:10	TuAT2.2
<i>Optimization and Control of a Distributed Battery Energy Storage System for Wind Power Smoothing</i> , pp. 39-43.	
Khalid, Muhammad	The Univ. of New South Wales
Savkin, Andrey V.	Univ. of New South Wales
09:10-09:30	TuAT2.3
<i>Modeling and Control of the Energy Consumption of a Prototype Urban Vehicle</i> , pp. 44-48.	
Petrou, Anastasios	Tech. Univ. of Crete
Efstathiou, Dimitrios	Tech. Univ. of Crete
Tsourveloudis, Nikos	Tech. Univ. of Crete
09:30-09:50	TuAT2.4

<i>A Model-Assisted Adaptive Controller Fine-Tuning Methodology for Efficient Energy Use in Buildings</i> , pp. 49-54.	
Giannakis, Giorgos	Tech. Univ. of Crete
Kontes, Giorgos	Tech. Univ. of Crete
Kosmatopoulos, Elias	Democritus Univ. of Thrace
Rovas, Dimitrios	Tech. Univ. of Crete

09:50-10:10 TuAT2.5

<i>Current Control of a PEMFC System Connected to an Electrical Load through a DC/DC Converter</i> , pp. 55-60.	
Schultze, Martin	Helmut-Schmidt-Univ. Hamburg
Horn, Joachim	Helmut-Schmidt-Univ.

**TuAT3** Lefkas

**Nonlinear Control I** (Regular Session)

Chair: Zivanovic, Rastko	The Univ. of Adelaide
Co-Chair: Lee, Ti-Chung	Minghsin Univ. of Science and Tech.

08:30-08:50 TuAT3.1

<i>A Krasovskii-LaSalle Theorem for Behavior: Output Persistent Excitation and Detectability</i> , pp. 61-66.	
Lee, Ti-Chung	Univ. of Science and Tech.

08:50-09:10 TuAT3.2

<i>Observer-Based Control Strategies for Compensation of Dynamic Friction</i> , pp. 67-72.	
Ruderman, Michael	Tech. Univ. Dortmund
Bertram, Torsten	Tech. Univ. Dortmund

09:10-09:30 TuAT3.3

<i>A Statistical Tool for Analysing Nonlinear Properties of Dynamical Systems</i> , pp. 73-78.	
Balestrino, Aldo	Univ. di Pisa
Caiti, Andrea	Univ. of Pisa
Crisostomi, Emanuele	Univ. of Pisa

09:30-09:50 TuAT3.4

<i>Nonlinear Feedback Control of a HIV-1 Infection Model</i> , pp. 79-84.	
Costa, B.Andrade	INESC-ID/DEEC/IST/ Tech. Univ. of Lisbon
Lemos, Joao M.	Inesc-id

09:50-10:10 TuAT3.5

<i>State and Parameter Estimation Using Chebyshev Integral Operator</i> , pp. 85-89.	
Zivanovic, Rastko	The Univ. of Adelaide

**TuAT4** Paxi

**Linear Systems I** (Regular Session)

Chair: KOUMBOULIS, FOTIOS	Halkis Inst. of Tech.
Co-Chair: Reza-Alikhani, Hamid-Reza	Tafresh Univ.

08:30-08:50 TuAT4.1

<i>Design of Observers with Arbitrary Exponential Convergence Rate for Discrete-Time Descriptor Systems</i> , pp. 90-95.	
Madady, Ali	Tafresh Univ.
Reza-Alikhani, Hamid-Reza	Tafresh Univ.

08:50-09:10 TuAT4.2

<i>An Iterative Approach for the Description of Null Controllable Regions of Discrete-Time Linear Systems with Saturating Inputs</i> , pp. 96-101.	
Corradini, Maria Letizia	Univ. di Camerino
Cristofaro, Andrea	Univ. degli Studi di Camerino
Giannoni, Fabio	Univ. degli Studi di Camerino

09:10-09:30 TuAT4.3

<i>Performance Bounds for SIMO and Squared-Up Plant Models</i> , pp. 102-107.	
Valenzuela, Patricio Esteban	Univ. Técnica Federico Santa María
Salgado, Mario E.	Univ. Técnica Federico Santa María
Silva, Eduardo I.	Univ. Tecnica Federico Santa Maria

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09:30-09:50 TuAT4.4

*Optimal Control Synthesis with Prescribed Closed Loop Poles*, pp. 108-113.

Velasquez, Ivan G.

Univ. de La Frontera

Yuz, Juan I.

Univ. Técnica Federico Santa María

Salgado, Mario E.

Univ. Técnica Federico Santa María

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09:50-10:10 TuAT4.5

*Towards Dynamic Controller Design for Disturbance Rejection of MIMO Neutral Time Delay Systems*, pp. 114-119.

KOUMBOULIS, FOTIOS

Halkis Inst. of Tech.

Kouvakas, Nikolaos

Halkis Inst. of Tech.

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**TuAT5** Zante

**Fault Diagnosis and Reconfiguration for Complex Systems Subject to Faults** (Invited Session)

Chair: Aitouche, Abdel

LAGIS/HEI

Co-Chair: BAYART, Mireille

LAGIS/Pol.

Organizer: Aitouche, Abdel

LAGIS/HEI

Organizer: Quevedo, Joseba

Pol. Univ. of Catalonia

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08:30-08:50 TuAT5.1

*A Fuzzy Approach for Actuator Fault-Tolerant Control of Wind Energy Conversion Systems (I)*, pp. 120-125.

Kamal, Elkhatib

LAGIS FRE CNRS 3033, Lille, France

Aitouche, Abdel

LAGIS/HEI

BAYART, Mireille

LAGIS/Pol.

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08:50-09:10 TuAT5.2

*Fault-Tolerant Control of Wind Energy Conversion Systems Subjected to Parametric Uncertainties and Sensor Faults (I)*, pp. 126-131.

Kamal, Elkhatib

LAGIS FRE CNRS 3033, Lille, France

Aitouche, Abdel

LAGIS/HEI

BAYART, Mireille

LAGIS/Pol.

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09:10-09:30 TuAT5.3

*Monitoring of Rotary Machine by Mean of Self Adaptive Growing Neural Network (I)*, pp. 132-137.

Barakat, Mustapha

Le havre Univ. and lebanese Univ.

Lefebvre, Dimitri

Univ. Le Havre

DRUAUX, Fabrice

Univ. LE HAVRE

KHALIL, Mohamad

Lebanese Univ. Doctoral school for sciences and Tech.

Mustapha, Oussama

Islamic Univ. of Lebanon

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09:30-09:50 TuAT5.4

*Leakage Isolation in Water Distribution Networks: A Comparative Study of Two Methodologies on a Real Case Study (I)*, pp. 138-143.

perez, ramon

UPC (Univ. Pol. de Catalunya)

Quevedo, Joseba

Tech. Univ. of Catalonia

Puig, Vicenc

Univ. Pol. de Catalunya

Nejjari, Fatiha

Univ. Pol. de Catalunya

Cugueró, Miquel

UPC

sanz, gerard

UPC

Mirats, Josep Maria

CETAQUA

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09:50-10:10 TuAT5.5

*Fault Diagnosis and Isolation Using Kalman Filter Bank for a Wind Turbine Generator (I)*, pp. 144-149.

TRINH, Do Hieu

Lab. d'Automatique de Grenoble

Chafouk, Houcine

IRSEEM / ESIGELEC

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**TuP1T7** Kerkyra Ballroom

**Plenary Session I** (Plenary Session)

Chair: Antsaklis, Panos J.

Univ. of Notre Dame

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10:30-11:30 TuP1T7.1

<b>TuBT1</b>	Kerkyra Ballroom
<b>Multi-Agent Systems I</b> (Regular Session)	
Chair: Papanikolopoulos, Nikos	Univ. of Minnesota
Co-Chair: Valavanis, Kimon	Univ. of Denve
11:50-12:10	TuBT1.1
<i>A Generic Framework for Scalable and Convergent Multi-Robot Active Simultaneous Localization, Mapping and Target Tracking</i> , pp. 151-156.	
Kosmatopoulos, Elias	Democritus Univ. of Thrace
Aboudolas, Konstantinos	Centre for Res. and Tech. Hellas
Rovas, Dimitrios	Tech. Univ. of Crete
Doitsidis, Letteris	Tech. Educational Inst. of Crete
Roumeliotis, Stergios	Univ. of Minnesota
12:10-12:30	TuBT1.2
<i>Search Methodologies for Node Recovery in Robotic Swarms</i> , pp. 157-162.	
Martins, Goncalo	Univ. of Denver
Rutherford, Matthew	Univ. of Denver
Valavanis, Kimon	Univ. of Denve
12:30-12:50	TuBT1.3
<i>Feature-Based Covariance Matching for a Moving Target in Multi-Robot Following</i> , pp. 163-168.	
Min, Hyeun Jeong	CSE, Univ. of Minnesota
Papanikolopoulos, Nikos	Univ. of Minnesota
Smith, Christopher	Gonzaga Univ.
Morellas, Vassilios	Univ. of Minnesota
12:50-13:10	TuBT1.4
<i>An Experimental Validation of a Low-Cost Indoor Relative Position Localizing System for Mobile Robotic Networks</i> , pp. 169-174.	
Gasparri, Andrea	Univ. degli Studi Roma Tre
Priolo, Attilio	Univ. degli Studi Roma Tre
Ulivi, Giovanni	Univ. degli Studi Roma Tre
Di Rocco, Maurizio	Univ. degli Studi Roma Tre
Milano, Alessandro	Univ. degli Studi Roma Tre
13:10-13:30	TuBT1.5
<i>Coverage-Oriented Coordination of Mobile Heterogeneous Networks</i> , pp. 175-180.	
Steriopoulos, Yiannis	Univ. of Patras
Tzes, Anthony	Univ. of Patras
<b>TuBT2</b>	Ithaca
<b>Adaptive Control I</b> (Regular Session)	
Chair: Landau, Ioan Dore	CNRS
Co-Chair: Ito, Kazuhisa	Shibaura Inst. of Tech.
11:50-12:10	TuBT2.1
<i>Funnel Control for Speed and Position Control of Electrical Drives: A Survey</i> , pp. 181-188.	
Hackl, Christoph M.	Tech. Univ. of Munich
Hofmann, Andreas G.	RWTH Aachen Univ.
Kennel, Ralph	Tech. Univ. München
De Doncker, Rik W.	RWTH Aachen Univ. Inst. for Power Electronics and Elec
12:10-12:30	TuBT2.2
<i>Monotonic Convergence Conditions in PD Type Iterative Learning Control</i> , pp. 189-194.	
Madady, Ali	Tafresh Univ.
Reza-Alikhani, Hamid-Reza	Tafresh Univ.

12:30-12:50		TuBT2.3
<i>Control Performance Comparison of Simple Adaptive Control to Water Hydraulic Servo Cylinder System</i> , pp. 195-200.		
Ito, Kazuhisa		Shibaura Inst. of Tech.
12:50-13:10		TuBT2.4
<i>LPV-Based MR Damper Modelling</i> , pp. 201-206.		
Diaz-Salas, Vicente A.	Tecnologico de Monterrey, Campus Monterrey	
Morales-Menendez, Ruben	Tec de Monterrey, Campus Monterrey	
Ramirez-Mendoza, Ricardo A.	TEC de Monterrey, Campus Ciudad de Mexico	
Sename, Olivier		INPG
Dugard, Luc		CNRS-INPG
13:10-13:30		TuBT2.5
<i>Comparison of Two Approaches for Adaptive Feedforward Compensation in Active Vibration Control with Mechanical Coupling</i> , pp. 207-212.		
Landau, Ioan Dore		CNRS
Airimitoae, Tudor-Bogdan		Gipsa-Lab. Univ. de Grenoble
Alma, Marouane		Univ. joseph fourier

<b>TuBT3</b>		Lefkas
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<b>Robust Control I (Regular Session)</b>		
Chair: Gershon, Eli		Tel Aviv Univ.
Co-Chair: Falagario, Marco		Pol. di Bari

11:50-12:10		TuBT3.1
<i>Robust L2 Control for a Class of Nonlinear Systems: A Parameter Varying Lyapunov Function Approach</i> , pp. 213-218.		
Ezzeldin Mahdy, Mohamed		Eindhoven Univ. of Tech.
Weiland, Siep		Eindhoven Univ. of Tech.
van den Bosch, P. P. J.		Eindhoven Univ. of Tech.

12:10-12:30		TuBT3.2
<i>Model Error in Observer Based State Feedback and Youla-Parametrized Regulator</i> , pp. 219-224.		
Keviczky, Laszlo		Hungarian Acad. of Sciences
Banyasz, Csilla		Hungarian Acad. of Sciences

12:30-12:50		TuBT3.3
<i>Fixed Order Stabilizing Controller Design Via Reflection Segments of Polynomials</i> , pp. 225-229.		
Nurges, Ulo		Tallinn Univ. of Tech.
Avanessov, Sergei		Tallinn Univ. of Tech.

12:50-13:10		TuBT3.4
<i>About Robustness of the Reduced Order Luenberger Observer</i> , pp. 230-235.		
Gessing, Ryszard		Pol. Slaska

13:10-13:30		TuBT3.5
<i>Supplier Selection in the Public Procurement Sector Via a Data Envelopment Analysis Approach</i> , pp. 236-241.		
Costantino, Nicola		Pol. di Bari
Dotoli, Mariagrazia		Pol. di Bari
Falagario, Marco		Pol. di Bari
Fanti, Maria Pia		Pol. of Bari
Mangini, Agostino Marcello		Pol. di Bari
Sciancalepore, Fabio		Pol. di Bari

<b>TuBT4</b>		Paxi
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<b>Aerospace Control (Regular Session)</b>		
Chair: Bokor, Jozsef		Hungarian Acad. of Sciences
Co-Chair: THEODOULIS, Spilios		French-German Res. Inst. of Saint-Louis (ISL)

11:50-12:10		TuBT4.1
<i>Experimental H-Infinity Robust Control of Aerial Vehicle Flight</i> , pp. 242-247.		
Boukhnifer, Moussa		ESTACA

chaibet, ahmed LAROUCI, Cherif	ESTACA ESTACA engineering school
12:10-12:30	TuBT4.2
<i>Autopilot Strategies of Guided Projectiles for Terminal Guidance</i> , pp. 248-253.	
THEODOULIS, Spilios Kitsios, Ioannis Dritsas, Leonidas Tzes, Anthony WERNERT, Philippe	French-German Res. Inst. of Saint-Louis (ISL) Hellenic Air Force Electronics Depot Maintenance Univ. of Patras Univ. of Patras ISL
12:30-12:50	TuBT4.3
<i>Optimal Three Dimensional Terrain Following/Terrain Avoidance for Aircraft Using Direct Transcription Method</i> , pp. 254-258.	
Khademi, Iman Maleki, Behrooz Nasseri Mood, Alireza	Louisiana State Univ. Amirkabir Univ. of Tech. Amirkabir Univ. of Tech.
12:50-13:10	TuBT4.4
<i>Tuning and Testing of a Minimax Tracking Controller for Aircraft Dynamics</i> , pp. 259-264.	
Bauer, Peter Bokor, Jozsef	Computer and Automation Res. Inst. of S Hungarian Acad. of Sciences
13:10-13:30	TuBT4.5
<i>Robustness Augmentation of an Aircraft Pitch Rate Controller</i> , pp. 265-270.	
Saussie, David saydy, lahcen Akhrif, Ouassima	Ec. Pol. de Montreal Ec. Pol. of Montreal Ec. de Tech. superieure
<b>TuBT5</b>	Zante
<b>Power Systems</b> (Regular Session)	
Chair: Fusco, Giuseppe Co-Chair: Alexandridis, Antonis	Univ. of Cassino Univ. of Patras
11:50-12:10	TuBT5.1
<i>Applications of Discrete Pole Placement on Power System Oscillation Damping Control Using Delta Models</i> , pp. 271-276.	
Salman Ahmed, Gaber Shabib	South Valley Univ.
12:10-12:30	TuBT5.2
<i>A Straightforward Design of Decentralized Controllers for Multimachine Power Systems</i> , pp. 277-282.	
Fusco, Giuseppe Russo, Mario	Univ. of Cassino Univ. di Cassino
12:30-12:50	TuBT5.3
<i>Incorporating a Unified Power Flow Controller in a Conventional Transient Stability Model</i> , pp. 283-288.	
Santos, Natalia Fernaõ Pires, Vitor Castro, Rui Fernando Silva, Jose	ESTSetubal/IPS ESTSetubal/IPS IST/UTL IST/UTL
12:50-13:10	TuBT5.4
<i>Observation and Measurement of Magnetic Flux in a Dual Star Induction Machine</i> , pp. 289-294.	
MAROUJANI, Khoudir Chakou, Khaled khoucha, farid TABBACHE, Bekheira kheloui, Abdelaziz	Pol. Military School (EMP) Pol. Military School (EMP) Pol. Military School (EMP) Pol. Military School (EMP) Pol. Military School (EMP)
13:10-13:30	TuBT5.5
<i>Dynamic Performance Analysis and Experimental Verification of a Boost Converter Driven by a New Nonlinear Controller</i> , pp. 295-300.	
Konstantopoulos, George Alexandridis, Antonis	Univ. of Patras Univ. of Patras

<b>TuP2T7</b>	Kerkyra Ballroom
<b>Plenary Session II</b> (Plenary Session)	
Chair: Tzes, Anthony	Univ. of Patras
15:00-16:00	TuP2T7.1
<i>Averaging Algorithms and Distributed Anonymous Discrete Function Computation</i> , pp. 301-302.	
Tsitsiklis, John	Massachusetts Inst. of Tech.
<b>TuCT1</b>	Kerkyra Ballroom
<b>Robotics I</b> (Regular Session)	
Chair: Tanner, Herbert G.	Univ. of Delaware
Co-Chair: Loizou, Savvas	Cyprus Univ. of Tech.
16:30-16:50	TuCT1.1
<i>The Navigation Transformation: Point Worlds, Time Abstractions and towards Tuning-Free Navigation</i> , pp. 303-308.	
Loizou, Savvas	Cyprus Univ. of Tech.
16:50-17:10	TuCT1.2
<i>Tangent Graph Based Navigation of a Non-Holonomic Mobile Robot in Cluttered Environments</i> , pp. 309-314.	
Savkin, Andrey V.	Univ. of New South Wales
Hoy, Michael Colin	Univ. of New South Wales
17:10-17:30	TuCT1.3
<i>Multi-Robot Multiple Hypothesis Tracking for Pedestrian Tracking with Detection Uncertainty</i> , pp. 315-320.	
Tsokas, Nikos	National Tech. Univ. of Athens
Kyriakopoulos, Kostas J.	National Tech. Univ. of Athens
17:30-17:50	TuCT1.4
<i>(Sub)Regular Robotic Languages</i> , pp. 321-326.	
Rawal, Chetan	Univ. of Delaware
Tanner, Herbert G.	Univ. of Delaware
Heinz, Jeffrey	Univ. of Delaware
17:50-18:10	TuCT1.5
<i>Enhancing the Randomized Hough Transform with K-Means Clustering to Detect Mutually-Occluded Ellipses</i> , pp. 327-332.	
Tinghui, Zhou	CSE, UMN
Papanikolopoulos, Nikos	Univ. of Minnesota
18:10-18:30	TuCT1.6
<i>Intelligent Particle-Filter Based Robot Localization</i> , pp. 333-338.	
Siamantas, Georgios	Univ. of Patras
Stouraitis, Theodoros	Univ. of Patras
Tzes, Anthony	Univ. of Patras
<b>TuCT2</b>	Ithaca
<b>Energy and Sustainability II</b> (Regular Session)	
Chair: Bodson, Marc	Univ. of Utah
Co-Chair: Dr.-Ing. Sourkounis, Constantinos	Ruhr-Univ. Bochum
16:30-16:50	TuCT2.1
<i>PI-State Control of Electronic Synchronous Machine for Dynamic Power Conditioning in Wind Parks</i> , pp. 339-344.	
Dr.-Ing. Sourkounis, Constantinos	Ruhr-Univ. Bochum
Wenske, Jan	Fraunhofer Inst. for Wind Energy and Energy System Tech.
16:50-17:10	TuCT2.2
<i>Interpolative Based Implementation of a Photovoltaic Panel</i> , pp. 345-350.	
Korodi, Adrian	"Pol. Univ. of Timisoara, Faculty of Automation and
Petcut, Flavius-Maxim	"Pol. Univ. of Timisoara, Faculty of Automation and
Dragomir, Toma-Leonida	"Pol. Univ. of Timisoara, Faculty of Automation and
17:10-17:30	TuCT2.3



*On the Capacitor Voltage Needed to Trigger Self-Excitation in Induction Generators*, pp. 351-357.

Bodson, Marc  
Kiselychnyk, Oleh

Univ. of Utah  
National Tech. Univ. of Ukraine "Kiev Pol. Inst.

17:30-17:50

TuCT2.4

*An Event Driven Smart Home Controller Enabling Cost Effective Use of Electric Energy and Automated Demand Side Management*, pp. 358-364.

Di Giorgio, Alessandro  
Pimpinella, Laura  
Quaresima, Alessandra  
Curti, Simone

"Sapienza" Univ. of Rome  
Sapienza, Univ. of Rome  
Sapienza, Univ. of Rome  
Sapienza, Univ. of Rome

17:50-18:10

TuCT2.5

*Effects of the Control-Process-Structure to the Drivability in Electric Vehicles*, pp. 365-370.

Dost, Philip  
Dr.-Ing. Sourkounis, Constantinos

Ruhr-Univ. Bochum  
Ruhr-Univ. Bochum

18:10-18:30

TuCT2.6

*Control for Voltage Dips Ride-Through of Oscillating Water Column-Based Wave Power Generation Plant Equipped with Doubly-Fed Induction Generator*, pp. 371-377.

alberdi, mikel  
amundarain, modesto  
Garrido, Aitor J.  
garrido, izaskun  
SAINZ, FRANCISCO JOSE

Univ. of the Basque Country  
Univ. of the Basque Country  
Univ. of the Basque Country  
Univ. of the Basque Country  
Univ. OF THE BASQUE COUNTRY

### TuCT3

Lefkas

#### Nonlinear Control II (Regular Session)

Chair: Vasca, Francesco  
Co-Chair: Kaminer, Isaac

Univ. of Sannio  
Naval postgraduate school

16:30-16:50

TuCT3.1

*On Generalized Lyapunov Exponents*, pp. 378-381.

Czornik, Adam  
Nawrat, Aleksander

Silesian Tech. Univ.  
Silesian Tech. Univ.

16:50-17:10

TuCT3.2

*A Simplified Control Method for Multivariable Stable Nonsquare Systems with Multiple Time Delays*, pp. 382-387.

Pop, Cristina Ioana  
De Keyser, Robin M.C.  
Ionescu, Clara

Tech. Univ. of Cluj Napoca  
Univ. of Gent  
Ghent Univ.

17:10-17:30

TuCT3.3

*On-Line Parameter Estimation of a Magnetic Bearing*, pp. 388-393.

Delpoux, Romain  
Floquet, Thierry

Ec. Centrale de Lille  
Ec. Centrale de Lille

17:30-17:50

TuCT3.4

*Stability Criteria for 2-D Discrete-Time State-Delayed Systems Subject to Overflow and Quantization Nonlinearities*, pp. 394-399.

Mukhija, Pankaj  
Kar, Indra Narayan  
Bhatt, R. K. P.

Indian Inst. of Tech. Delhi  
Indian Inst. of Tech. Delhi  
Indian Inst. of Tech. Delhi

17:50-18:10

TuCT3.5

*Linear Complementarity Models for Steady-State Analysis of Pulse-Width Modulated Switched Electronic Systems*, pp. 400-405.

Vasca, Francesco  
Angelone, Gianluca  
Iannelli, Luigi

Univ. of Sannio  
Univ. of Sannio  
Univ. of Sannio in Benevento

18:10-18:30

TuCT3.6

*A Simulation Framework for Coalition Formation of Unmanned Aerial Vehicles*, pp. 406-411.

Benini, Alessandro  
Mancini, Adriano  
Frontoni, Emanuele  
Zingaretti, Primo  
Longhi, Sauro

Univ. Pol. delle Marche  
Univ. Pol. delle Marche  
Univ. Pol. delle Marche  
Univ. Pol. delle Marche  
Univ. Pol. delle Marche

TuCT4		Paxi
<b>Marine Systems - Results of The</b> (Invited Session)		
Chair: Vukic, Zoran	Univ. of zagreb, Faculty of Electrical Engineering and Computing	
Co-Chair: Bruzzone, Gabriele		CNR - ISSIA
Organizer: Miskovic, Nikola	Lab. for Underwater Systems and Tech. Faculty of Electrical Engineering and Computing, Univ. of Zagreb	
Organizer: Caccia, Massimo		CNR - ISSIA
16:30-16:50		TuCT4.1
<i>A Modular Approach to System Integration in Underwater Robotics (I)</i> , pp. 412-417.		
Lugarić, Tomislav	Univ. of Zagreb, Faculty of Electrical Engineering and Comp	
Nađ, Đula	Faculty of Electrical Engineering and Computing, Univ. of Z	
Vukic, Zoran	Univ. of zagreb, Faculty of Electrical Engineering and Comp	
16:50-17:10		TuCT4.2
<i>Sonar Aided Control of Small UUVs (I)</i> , pp. 418-423.		
Nađ, Đula	Faculty of Electrical Engineering and Computing, Univ. of Z	
Miskovic, Nikola	Lab. for Underwater Systems and Tech. Faculty of E	
Djapic, Vladimir		NATO Undersea Res. Center
Vukic, Zoran	Univ. of zagreb, Faculty of Electrical Engineering and Comp	
17:10-17:30		TuCT4.3
<i>Integration of Acoustic Devices on Small USVs: The Charlie Experience (I)</i> , pp. 424-429.		
Caccia, Massimo		CNR - ISSIA
Bibuli, Marco		CNR - ISSIA
Bruzzone, Gabriele		CNR - ISSIA
17:30-17:50		TuCT4.4
<i>Modular USV and Payload Design for Advanced Capabilities in Marine Security Applications (I)</i> , pp. 430-435.		
Caccia, Massimo		CNR - ISSIA
Bibuli, Marco		CNR - ISSIA
Bruzzone, Gabriele		CNR - ISSIA
Djapic, Vladimir		NATO Undersea Res. Center
Fioravanti, Stefano		NURC - NATO Undersea Res. Centre
Grati, Alberto		NURC - NATO Undersea Res. Centre
17:50-18:10		TuCT4.5
<i>Geoposition Data Aided Mosaicing for Archeology Sites Documentation: The Islet of Bisaga (Kornati Archipelago) Site Case (I)</i> , pp. 436-442.		
Scaradozzi, David		Univ. Pol. delle Marche
Radić Rossi, Irena		Univ. of Zadar
Zubčić, Kruno		Croatian Conservation Inst.
18:10-18:30		TuCT4.6
<i>Kornati Bathymetry Survey Data-Set for Navigation and Mapping (I)</i> , pp. 443-448.		
Zandara, Simone		Univ. of Girona
Ribas, David		Univ. of Girona
Ridao, Pere		Univ. of Girona
Campos, Ricard		Univ. of Girona
Mallios, Angelos		Univ. of Girona
<b>TuCT5</b>		Zante
<b>Fault Diagnosis I</b> (Regular Session)		
Chair: Ungermann, Michael		Robert Bosch GmbH

Co-Chair: Varga, Andras	German Aerospace Center
16:30-16:50	TuCT5.1
<i>Bound on the Probability of HMM Misclassification</i> , pp. 449-454.	
Keroglou, Christoforos	Univ. of Cyprus
Hadjicostis, Christoforos	Univ. of Cyprus
16:50-17:10	TuCT5.2
<i>Service Diagnosis of Dynamical Systems Based on Local Structural Models</i> , pp. 455-460.	
Ungermann, Michael	Robert Bosch GmbH
Lunze, Jan	Ruhr-Univ. Bochum
Schwarzmann, Dieter	Robert Bosch GmbH
17:10-17:30	TuCT5.3
<i>Fault Detection and Isolation in Networked Control Systems with Access Constraints and Packet Dropouts</i> , pp. 461-466.	
Hashemi nejad, Hossein	CRAN , Faculté des sciences et Tech.
Sauter, Dominique	Nancy Univ.
Aberkane, Samir	UHP, NANCY 1
Aubrun, Christophe	Univ. Henri Poincaré
17:30-17:50	TuCT5.4
<i>Synthesis of Robust Gain Scheduling Based Fault Detection Filters for a Class of Parameter Uncertain Nonlinear Systems</i> , pp. 467-472.	
Varga, Andras	German Aerospace Center
17:50-18:10	TuCT5.5
<i>Fault Modelling Using a Mixture of Conditional Gaussian Transitions</i> , pp. 473-478.	
Jovanovic, Dejan	The Univ. of Queensland
McVinish, Ross	Univ. of Queensland
Pollett, Philip Keith	The Univ. of Queensland
18:10-18:30	TuCT5.6
<i>Robust Fault Detection Based on Multimodel and Interval Approach. Application to a Throttle Valve</i> , pp. 479-484.	
Letellier, Clement	ESIGELEC
HOBLOS, Ghaleb	IRSEEM/ESIGELEC
Chafouk, Houcine	IRSEEM / ESIGELEC

**Technical Program for Wednesday June 22, 2011**

<b>WeAT1</b>	Kerkyra Ballroom
<b>Biomedical Systems</b> (Regular Session)	
Chair: Lemos, Joao M.	Inesc-id
Co-Chair: Stylios, Chrysostomos	TEI of Epirus
08:30-08:50	WeAT1.1
<i>Multi-Drug Therapy Design for HIV-1 Infection Using Nonlinear Model Predictive Control</i> , pp. 485-490.	
Pinheiro, João V.	INESC-ID Lisboa
Lemos, Joao M.	Inesc-id
08:50-09:10	WeAT1.2
<i>Non-Invasive Measurements Based Model Predictive Control of Pulsatile Flow in an Implantable Rotary Blood Pump for Heart Failure Patients</i> , pp. 491-496.	
Alomari, Abdul-Hakeem H	The Univ. of New South Wales, Sydney, Australia
JAVED, FAIZAN	Univ. OF NEW SOUTH WALES
Savkin, Andrey V.	Univ. of New South Wales
Lim, Einly	Department of Biomedical Engineering, Univ. of Malaya, Kual
Salamonsen, Robert F.	Intensive Care, Alfred Hospital, Melbourne, Victoria, Australia,
Mason, David G.	School of Information Tech. and Electrical Engineering, Uni
Lovell, Nigel H.	Graduate School of Biomedical Engineering, The Univ. of New
09:10-09:30	WeAT1.3
<i>Phasic Electromyographic Metric Detection Based on Wavelet Analysis</i> , pp. 497-502.	
Fairley, Jacqueline	Emory Univ.
Georgoulas, George	Dept. of Informatics and Communications Tech.
Vachtsevanos, George	Georgia Inst. of Tech.
Stylios, Chrysostomos	TEI of Epirus
Rye, David	Emory Univ.
Bliwise, Donald	Emory Univ.
09:30-09:50	WeAT1.4
<i>Batch Identification of Neuromuscular Blockade Models</i> , pp. 503-508.	
Lemos, Joao M.	Inesc-id
Gomes, João	INESC-ID
Costa, B.Andrade	INESC-ID/DEEC/IST/ Tech. Univ. of Lisbon
Mendonça, Teresa	Univ. do Porto
Coito, Ana	INESC-ID
09:50-10:10	WeAT1.5
<i>EGFR Signaling Pathway Estimation Using a RISE-Based Asymptotic Observer</i> , pp. 509-514.	
Giotis, Thomas	Tech. Univ. of Crete
Psillakis, Haris	National Tech. Univ. of Athens (NTUA), Tech. &
Panagiotidou, Agapi	Tech. Univ. of Crete
Chatzidamianou, Nikolina	Tech. Univ. of Crete
Christodoulou, Manolis A.	Tech. Univ. of Crete
<b>WeAT2</b>	Ithaca
<b>Nonlinear Control III</b> (Regular Session)	
Chair: Rovithakis, George A.	Aristotle Univ. of Thessaloniki
Co-Chair: Khorrarni, Farshad	Pol. Inst. of NYU
08:30-08:50	WeAT2.1
<i>Output Control for Time-Delay Nonlinear System Providing Exponential Stability</i> , pp. 515-520.	
Bobtsov, Alexey	SPb ITMO
Pyrkin, Anton	SPbSU ITMO
Faronov, Maxim	SPbSU ITMO
08:50-09:10	WeAT2.2
<i>Robust Approximation Free Prescribed Performance Control</i> , pp. 521-526.	

Bechlioulis, Charalampos	Aristotle Univ. of Thessaloniki
Rovithakis, George A.	Aristotle Univ. of Thessaloniki
09:10-09:30	WeAT2.3
<i>A New Second Order Sliding Mode Control Approach for Coupled MIMO Nonlinear Uncertain Systems</i> , pp. 527-532.	
benamor, Anouar	école national des ingénieurs de monastir (tunisia)
CHRIFI-ALAOUI, Larbi	Univ. de Picardie Jules Verne
Chaabane, Mohamed	National Engineering school of Sfax, Tunisia
Bussy, Pascal	Univ. de Picardie Jules Verne
Messaoud, Hassani	Ec. Nationale d'Ingénieurs de Monastir
09:30-09:50	WeAT2.4
<i>A Two Stage Control Scheme towards Stability and Robustness for PMSMs with Unknown Load Torque</i> , pp. 533-539.	
Kouvakas, Nikolaos	Halkis Inst. of Tech.
KOUMBOULIS, FOTIOS	Halkis Inst. of Tech.
09:50-10:10	WeAT2.5
<i>Adaptive Backstepping and Theta-D Based Controllers for a Tilt-Rotor Aircraft</i> , pp. 540-545.	
Krishnamurthy, Prashanth	FarCo Tech. Inc.
Khorrani, Farshad	Pol. Inst. of NYU
<b>WeAT3</b>	Lefkas
<b>Control Applications I</b> (Regular Session)	
Chair: Muros Ponce, Francisco Javier	Univ. of Seville
Co-Chair: Aouf, Nabil	Cranfield Univ.
08:30-08:50	WeAT3.1
<i>Adaptive Decentralised Cooperative Vision Based Simultaneous Localization and Mapping for Multiple UAVs</i> , pp. 546-551.	
NEMRA, Abdelkrim	EMP
Aouf, Nabil	Cranfield Univ.
08:50-09:10	WeAT3.2
<i>Automatic Design of Nonlinear Controllers by Means of Coevolutive Algorithms. Application to an Inverted Pendulum</i> , pp. 552-557.	
Fernández Gómez, Francisco Manuel	Univ. of Seville
Muros Ponce, Francisco Javier	Univ. of Seville
09:10-09:30	WeAT3.3
<i>Intermittent Control Explains Human Motor Remnant without Additive Noise</i> , pp. 558-563.	
MAMMA, ADAMANTIA	Univ. OF GLASGOW
Gollee, Henrik	Univ. of Glasgow
Gawthrop, Peter	Univ. of Glasgow
Loram, Ian	Manchester Metropolitan Univ. UK
09:30-09:50	WeAT3.4
<i>Robot Joint Position Tracking with an Approximator-Free Prescribed Performance Controller</i> , pp. 564-569.	
Karayiannidis, Yiannis	Aristotle Univ. of Thessaloniki
Doulgeri, Zoe	Aristotle Univ. of Thessaloniki
09:50-10:10	WeAT3.5
<i>Parameters Estimation of a Noisy Sinusoidal Signal with Time-Varying Amplitude</i> , pp. 570-575.	
LIU, Da-yan	INRIA Lille-Nord Europe
Gibaru, Olivier	ENSAM Lille
Perruquetti, Wilfrid	Ec. Centrale de Lille
<b>WeAT4</b>	Paxi
<b>Process Control</b> (Regular Session)	
Chair: Daoutidis, Prodromos	Univ. of Minnesota
Co-Chair: Gil-Martínez, Montserrat	Univ. of La Rioja
08:30-08:50	WeAT4.1
<i>Impact of Steam Reformer on the Design and Control of an Energy Integrated Solid Oxide Fuel Cell System</i> , pp. 576-581.	

Georgis, Dimitrios	Univ. of Minnesota
Jogwar, Sujit	U. Minnesota
Almansoori, Ali S.	The Petroleum Inst.
Daoutidis, Prodromos	Univ. of Minnesota
08:50-09:10	WeAT4.2
<i>Fractional Order Controller Design for 13C Separation Column</i> , pp. 582-587.	
Dulf, Eva Henrietta	Tech. Univ. of Cluj Napoca
Festila, Clement	Tech. Univ. of Cluj-Napoca
Dulf, Francisc-Vasile	Univ. of Agricultural Sciences and Veterinary Medicine
Pop, Cristina Ioana	Tech. Univ. of Cluj Napoca
Both, Roxana	Tech. Univ. of Cluj-Napoca
09:10-09:30	WeAT4.3
<i>Multivariable QFT Robust Control of a Heat Exchanger</i> , pp. 588-593.	
Rico Azagra, Javier	Univ. of La Rioja, Logroño, Spain
Gil-Martínez, Montserrat	Univ. of La Rioja
09:30-09:50	WeAT4.4
<i>Effect of Data Compression on Controller Performance Monitoring</i> , pp. 594-599.	
Sivalingam, Selvanathan	Norwegian Univ. of Science and Tech.
Hovd, Morten	Norwegian Univ. of Science and Tech.
09:50-10:10	WeAT4.5
<i>Nonlinear Adaptive Control of a Chemical Reactor</i> , pp. 600-605.	
Dostal, Petr	Tomas Bata Univ. in Zlin
Kubalcik, Marek	Tomas Bata Univ.
Bobal, Vladimir	Tomas Bata Univ. in Zlin
Vojtesek, Jiri	Tomas Bata Univ. in Zlin
<b>WeAT5</b>	Zante
<b>Discrete Event Systems</b> (Regular Session)	
Chair: SUEUR, Christophe	Ec. CENTRALE DE LILLE
Co-Chair: Biswas, Santosh	IIT GuwahatiINDIA
08:30-08:50	WeAT5.1
<i>On Use of Petri-Nets for Diagnosing Nonpermanent Failures</i> , pp. 606-611.	
Biswas, Santosh	IIT GuwahatiINDIA
08:50-09:10	WeAT5.2
<i>Network Cascaded Control System Transfer Function Generation Using an Inductive Topological Method</i> , pp. 612-617.	
Vekris, Georgios	Tech. Educational Inst. of Thessaloniki, Greece
Manavis, Christos	Tech. Educational Inst. of Thessaloniki, Greece
Balachandran, Wamadeva	School of Engineering and Design, Brunel Univ. West London
Hadjinicolaou, Marios	School of Engineering and Design, Brunel Univ. West London
Syrris, Vassilis	Aristotle Univ. of Thessaloniki
Kyriakoudis, Nikolaos	Department of Electronics, Tech. Educational Inst. o
09:10-09:30	WeAT5.3
<i>Attractive Regions with Finite Attraction Time for Contpn</i> s, pp. 618-623.	
Lefebvre, Dimitri	Univ. Le Havre
LECLERCQ, Edouard	Univ. LE HAVRE
09:30-09:50	WeAT5.4
<i>Structural Analysis and Duality for Bond Graph Models</i> , pp. 624-630.	
SUEUR, Christophe	Ec. CENTRALE DE LILLE
09:50-10:10	WeAT5.5
<i>Complex Event Processing Off the Shelf - Rapid Development of Event-Driven Applications with Solution Templates</i> , pp. 631-638.	
Obwegger, Hannes	UC4 Senactive
Schiefer, Josef	UC4 Software

Süntinger, Martin  
Breier, Florian  
Thullner, Robert

UC4 Software  
UC4 Senactive  
Secure Business Austria

<b>WeP1T7</b>	Kerkyra Ballroom
<b>Plenary Session III</b> (Plenary Session)	
Chair: Zolotas, Argyrios	Loughborough Univ.
10:30-11:30	WeP1T7.1
<i>Control for Railways – Active Suspensions and Other Opportunities</i> , pp. 639-643.	
Goodall, Roger	Loughborough Univ.

<b>WeBT1</b>	Kerkyra Ballroom
<b>Multi-Agent Systems II</b> (Regular Session)	
Chair: Paschalidis, Ioannis	Boston Univ.
Co-Chair: Anderson, Brian D.O.	Australian National Univ.
11:50-12:10	WeBT1.1
<i>Mobile Agent Coordination Via a Distributed Actor-Critic Algorithm</i> , pp. 644-649.	
Paschalidis, Ioannis	Boston Univ.
Lin, Yingwei	Boston Univ.
12:10-12:30	WeBT1.2
<i>Robust Cooperative Navigation of Multiple Wheeled Robots in Unknown Cluttered Environments</i> , pp. 650-655.	
Hoy, Michael Colin	Univ. of New South Wales
Matveev, Alexey S.	St.Petersburg Univ.
Savkin, Andrey V.	Univ. of New South Wales
12:30-12:50	WeBT1.3
<i>Morse Theory and Formation Control</i> , pp. 656-661.	
Anderson, Brian D.O.	Australian National Univ.
12:50-13:10	WeBT1.4
<i>Distributed Target Tracking for Sensor Networks with Only Local Communication</i> , pp. 662-667.	
Petitti, Antonio	Pol. di Bari
Di Paola, Donato	Italian National Res. Council (CNR)
Rizzo, Alessandro	Pol. di Bari
Cicirelli, Grazia	Italian National Res. Council (CNR)
13:10-13:30	WeBT1.5
<i>On Consensus with a General Discrete Time Convex Combination Based Algorithm for Multi-Agent Systems</i> , pp. 668-673.	
Bolouki, Sadegh	GERAD, Ec. Pol. de Montreal
Malhame, Roland P.	Ec. Pol. de Montreal

<b>WeBT2</b>	Ithaca
<b>Critical Infrastructure Systems</b> (Regular Session)	
Chair: Goodall, Roger	Loughborough Univ.
Co-Chair: Papanikolopoulos, Nikos	Univ. of Minnesota
11:50-12:10	WeBT2.1
<i>Mainstream Traffic Flow Control of Merging Motorways Using Variable Speed Limits</i> , pp. 674-681.	
Carlson, Rodrigo Castelan	Tech. Univ. of Crete
Ragias, Antonis	Tech. Univ. of Crete
Papamichail, Ioannis	Tech. Univ. of Crete
Papageorgiou, Markos	Tech. Univ. of Crete
12:10-12:30	WeBT2.2
<i>Application of Distributed Model Predictive Control to a Water Delivery Canal</i> , pp. 682-687.	
Cadete, Filipe	INESC-ID
Igreja, José Manuel Cardoso	Inst. Superior de Engenharia de Lisboa

Lemos, Joao M.	Inesc-id
12:30-12:50	WeBT2.3
<i>ReThinking Surveillance-Toward an Interactive Security Model</i> , pp. 688-693.	
John, Schumacher	CSE, Univ. of Minnesota
Salehi, Sepehr	Ec. Un. of Minnesota
Hadjiyanni, Tasoulla	Coll. of Design
Papanikolopoulos, Nikos	Univ. of Minnesota
12:50-13:10	WeBT2.4
<i>A Collaborative Approach to Autonomous Single Intersection Control</i> , pp. 694-699.	
Hulea, Mihai	Tech. Univ. of Cluj-Napoca
Folea, Silviu	Tech. Univ. of Cluj-Napoca, Automation Department
LETIA, Tiberiu Stefan	Tech. Univ. of Cluj-Napoca
Mois, George Dan	Tech. Univ. of Cluj-Napoca
13:10-13:30	WeBT2.5
<i>Risk Indicators Prediction Based on the Estimation of Tire/road Forces and the Maximum Friction Coefficient: Experimental Validation</i> , pp. 700-705.	
Ghandour, Raymond	UTC
DA CUNHA, Felipe	Univ. de Tech. de Compiègne
Victorino, Alessandro	Univ. Univ. de Tech. de Compiègne
Charara, Ali	UMR CNRS 6599
LECHNER, Daniel	INRETS
<b>WeBT3</b>	Lefkas
<b>Robust Control II (Regular Session)</b>	
Chair: Otsuka, Naohisa	Tokyo Denki Univ.
Co-Chair: Farokhi, Farhad	KTH, Royal Inst. of Tech.
11:50-12:10	WeBT3.1
<i>An Iterative Scheme for LMI-Based Robust Pole Assignment with Control Input Saturation Constraints for Uncertain LTI Systems</i> , pp. 706-711.	
Vagia, Marialena	Univ. of Patras
Tzes, Anthony	Univ. of Patras
12:10-12:30	WeBT3.2
<i>A Robust Control-Design Method Using Bode's Ideal Transfer Function</i> , pp. 712-717.	
Farokhi, Farhad	KTH, Royal Inst. of Tech.
Sandberg, Henrik	Royal Inst. of Tech. (KTH)
12:30-12:50	WeBT3.3
<i>Automatic Loop Shaping of QFT Applied to an Active Control Design</i> , pp. 718-723.	
Comasolivas, Ramon	Advanced Control Systems (SAC),Univ.
Quevedo, Joseba	Tech. Univ. of Catalonia
Escobet, Teresa	Univ. Pol. de Catalunya
12:50-13:10	WeBT3.4
<i>Quadratic Stabilizability for Polytopic Uncertain Continuous-Time Switched Linear Systems Via Switched Observer</i> , pp. 724-729.	
Soga, Takuya	Tokyo Denki Univ.
Otsuka, Naohisa	Tokyo Denki Univ.
13:10-13:30	WeBT3.5
<i>Comparison between Conventional and Stochastic Pinning Control</i> , pp. 730-735.	
Herzallah, Randa	Al-Balqa' Applied Univ.
LOWE, DAVID	ASTON Univ.

<b>WeBT4</b>	Paxi
<b>Automotive Control (Regular Session)</b>	
Chair: Akcay, Huseyin	Anadolu Univ.



Co-Chair: Aitouche, Abdel	LAGIS/HEI
11:50-12:10	WeBT4.1
<i>Hybrid Adaptive Control Used in Diesel Engine Speed Regulation</i> , pp. 736-741.	
WANG, Haoping	Univ. of Picardie Jules Verne
BOSCHE, Jérôme	Univ. of Picardie Jules Verne of Amiens
Tian, Yang	Ec. Centrale de Lille
El Hajjaji, Ahmed	Univ. de Picardie-Jules Verne
12:10-12:30	WeBT4.2
<i>Fuzzy-Based Electric Current Dependency on an MR Damper Model</i> , pp. 742-747.	
Ruiz-Cabrera, Javier Antonio	Tec de Monterrey, Campus Monterrey
Morales-Menendez, Ruben	Tec de Monterrey, Campus Monterrey
Garza-Castañón, Luis	ITESM Campus Monterrey
Ramírez-Mendoza, Ricardo A.	ITESM Campus Mexico City
Sename, Olivier	INPG
12:30-12:50	WeBT4.3
<i>Active Suspension Design Based on Linear-Matrix Inequalities and Fixed-Order Controllers</i> , pp. 748-753.	
Turkay, Semiha	Anadolu Univ.
Akcay, Huseyin	Anadolu Univ.
12:50-13:10	WeBT4.4
<i>Adaptive Observer for Intake Leakage Detection in Diesel Engines Described by Takagi-Sugeno Model</i> , pp. 754-759.	
DJEMILLI, Issam	LAGIS, Hautes Etudes d'Ingenieur, Lille, France
Aitouche, Abdel	LAGIS/HEI
Cocquempot, Vincent	Lille 1 Univ.
13:10-13:30	WeBT4.5
<i>A Three Term Controller for Ride Comfort Improvement</i> , pp. 760-766.	
KOUMBOULIS, FOTIOS	Halkis Inst. of Tech.
Kouvakas, Nikolaos	Halkis Inst. of Tech.
<b>WeBT5</b>	Zante
<b>Fault Diagnosis II (Regular Session)</b>	
Chair: Varga, Andras	German Aerospace Center
Co-Chair: Schiavoni, Nicola	Pol. di Milano
11:50-12:10	WeBT5.1
<i>Detection of Overload Generated Faults in Electro-Hyrostatic Actuators</i> , pp. 767-772.	
Márton, Lőrinc	Sapientia Hungarian Univ. of Transylvania
Varga, Andras	German Aerospace Center
12:10-12:30	WeBT5.2
<i>Design of an Unscented Unknown Input Filter with Interacting Multiple Model Algorithm</i> , pp. 773-778.	
Jozefowicz, Rafal	Univ. of Zielona Gora
Witczak, Marcin	Univ. of Zielona Gora
Korbicz, Jozef	Univ. of Zielona Gora
12:30-12:50	WeBT5.3
<i>Simultaneous Reliable Regulation in Decentralized Control Systems</i> , pp. 779-784.	
Locatelli, Arturo	Pol. di Milano
Schiavoni, Nicola	Pol. di Milano
12:50-13:10	WeBT5.4
<i>Stepwise Fault Accommodation for Hybrid Quantized Control Systems</i> , pp. 785-790.	
Cristofaro, Andrea	Univ. degli Studi di Camerino
Pettinari, Silvia	Univ. degli Studi di Camerino
13:10-13:30	WeBT5.5
<i>Interdependency Modeling and Analysis of Critical Infrastructures Based on Dynamic Bayesian Networks</i> , pp. 791-797.	
Di Giorgio, Alessandro	"Sapienza" Univ. of Rome
Liberati, Francesco	"Sapienza", Univ. of Rome

<b>WeP2T7</b>	Kerkyra Ballroom
<b>Plenary Session IV (Plenary Session)</b>	
Chair: Tanner, Herbert G.	Univ. of Delaware
15:00-16:00	WeP2T7.1
<i>Cooperative Networked Systems: Multiple Graphs, Coalitional Games, New Probabilistic Models</i> , pp. 798-800.	
Baras, John S.	Univ. of Maryland
<b>WeCT1</b>	Kerkyra Ballroom
<b>Model Predictive Control (Regular Session)</b>	
Chair: Aksikas, Ilyasse	Univ. of Alberta
Co-Chair: Tanner, Herbert G.	Univ. of Delaware
16:30-16:50	WeCT1.1
<i>Bilinear Compensated Predictive Controller: A State Variables Approach</i> , pp. 801-806.	
Santos Sobrinho, Manoel de Oliveira	Univ. Federal do Vale do São Francisco
Fontes, Adhemar de Barros	Univ. Federal da Bahia
Dorea, Carlos E.T.	Univ. Federal do Rio Grande do Norte
16:50-17:10	WeCT1.2
<i>Bounding the Uncertainty in Nonlinear Robust Model Predictive Control Using Sphere Covering</i> , pp. 807-812.	
Shah, Shridhar K.	Univ. of Delaware
Tanner, Herbert G.	Univ. of Delaware
17:10-17:30	WeCT1.3
<i>Minimization of the Response Time in Parallel Database Queries: An Adaptive Cost-Aware MPC-Based Solution</i> , pp. 813-818.	
Yfoulis, Christos	Alexander Tech. Inst.
Gounaris, Anastasios	Aristotle Univ. of Thessaloniki
Tzolas, Dimitrios	ATEI Thessaloniki, automation department
17:30-17:50	WeCT1.4
<i>Economic Optimization of a Thermal Cracker Via Model Predictive Control Technology</i> , pp. 819-824.	
Savu, Andreea	Tech. Univ. of Cluj-Napoca
Muntean, Ionut	Tech. Univ. of Cluj-Napoca
Lazea, Gheorghe	Tech. Univ. of Cluj-Napoca
Agachi, Paul-Serban	Babes - Bolyai Univ.
17:50-18:10	WeCT1.5
<i>Model Predictive Control of Czochralski Crystal Growth Process</i> , pp. 825-831.	
Dubljevic, Stevan	Univ. of Alberta
Ng, James	Univ. of Alberta
Aksikas, Ilyasse	King Abdelaziz Univ.
18:10-18:30	WeCT1.6
<i>Pruning and Merging Strategies in Receding Horizon Bicriterial Dual Controller with Multiple Linearization</i> , pp. 832-837.	
Flidr, Miroslav	Univ. of West Bohemia
Straka, Ondrej	Univ. of West Bohemia
Simandl, Miroslav	Univ. West Bohemia
<b>WeCT2</b>	Ithaca
<b>Energy and Sustainability III (Regular Session)</b>	
Chair: Karunaratne, Lakmal	Cranfield Univ.
Co-Chair: Dr.-Ing. Sourkounis, Constantinos	Ruhr-Univ. Bochum
16:30-16:50	WeCT2.1
<i>Optimal Control of Variable Wind Speed Turbines (I)</i> , pp. 838-843.	
Pintea, Andreea	Univ. Pol. of Bucharest
WANG, Haoping	Univ. of Picardie Jules Verne
Christov, Nicolai	Univ. des Sciences et Tech. de Lille

Borne, Pierre	Lagis, Ec. Centrale de Lille
Popescu, Dumitru	Pol. Univ. of Bucharest
Badea Adrian, AdrianBadea	Univ. of 'Pol. Bucharest, Energetic Faculty
16:50-17:10	WeCT2.2
<i>Coupled Controller for Energy Saving in Building Automation Based on a Thermodynamic and Illumination Model</i> , pp. 844-849.	
Zanoli, Silvia Maria	Univ. Pol. delle Marche
Barchiesi, David	Univ. Pol. delle Marche
Barboni, Luca	api raffineria di Ancona
17:10-17:30	WeCT2.3
<i>New Reactive Power Control Concept for Converter Based Renewable Energy Sources</i> , pp. 850-855.	
Huseinbegovic, Senad	Univ. of Sarajevo
Perunicic, Branislava	Univ. of Sarajevo
17:30-17:50	WeCT2.4
<i>Dynamic Control of Fuel Cell Air Supply System with Power Management</i> , pp. 856-861.	
Karunaratne, Lakmal	Cranfield Univ.
17:50-18:10	WeCT2.5
<i>Control of a Biopile for Hydrocarbon Decontamination</i> , pp. 862-867.	
Morcego, Bernardo	Univ. Pol. de Catalunya
perez, ramon	UPC (Univ. Pol. de Catalunya)
Matilla, Alejandro	Univ. Pol. de Catalunya
18:10-18:30	WeCT2.6
<i>Voltage Drops Mitigations Using Flywheel Energy Storage System in Production Lines</i> , pp. 868-873.	
Al-Diab, Ahmad	Ruhr-Univ. Bochum / Inst. of Power System Tech. an
Dr.-Ing. Sourkounis, Constantinos	Ruhr-Univ. Bochum
<b>WeCT3</b>	Lefkas
<b>Adaptive Control II</b> (Regular Session)	
Chair: Yamashita, Yuh	Hokkaido Univ.
Co-Chair: Dan, Ana-Maria	Pol. Univ. of Timisoara, Romania
16:30-16:50	WeCT3.1
<i>Adaptive Cancellation of Unknown Multiharmonic Disturbance for Nonlinear Plant with Input Delay</i> , pp. 874-879.	
Pyrkin, Anton	SPbSU ITMO
Bobtsov, Alexey	SPb ITMO
Kapitanyuk, Yuriy	SPbSU ITMO
Titov, Anton	Saint Petersburg State Univ. of Information Tech. M
Vedyakov, Alexey	SPbSU ITMO
Shadzhe, Inver	Saint-Petersburg State Univ. of Information Tech. Me
16:50-17:10	WeCT3.2
<i>Adaptive Control of Nonlinear Servo System with Disturbance Rejection</i> , pp. 880-885.	
Bobal, Vladimir	Tomas Bata Univ. in Zlin
Chalupa, Petr	Tomas Bata Univ. in Zlin
Kubalcik, Marek	Tomas Bata Univ.
Dostal, Petr	Tomas Bata Univ. in Zlin
17:10-17:30	WeCT3.3
<i>Novel Extremum Seeking Algorithm Using Wiener Process</i> , pp. 886-891.	
Hoshino, Kenta	Hokkaido Univ.
Yamashita, Yuh	Hokkaido Univ.
17:30-17:50	WeCT3.4
<i>Adaptive Iterative Learning Control for Systems with Nonlinearities</i> , pp. 892-897.	
Khademi, Iman	Louisiana State Univ.
Nasseri Mood, Alireza	Amirkabir Univ. of Tech.
Maleki, Behrooz	Amirkabir Univ. of Tech.

17:50-18:10	WeCT3.5
<i>Multivariable Adaptive Control with Hardware-In-The-Loop for a Drum-Type Boiler-Turbine System</i> , pp. 898-903.	
Iacob, Mihai	Pol. Univ. of Timisoara, Romania
Andreescu, Gheorghe-Daniel	Pol. Univ. of Timisoara, Romania
Antal, Robert	Pol. Univ. of Timisoara, Romania
Dan, Ana-Maria	Pol. Univ. of Timisoara, Romania
18:10-18:30	WeCT3.6
<i>Identification of Mechanical Structures in the Presence of Narrow Band Disturbances - Application to an Active Suspension</i> , pp. 904-909.	
Airimitoae, Tudor-Bogdan	Gipsa-Lab. Univ. de Grenoble
Landau, Ioan Dore	CNRS
Dugard, Luc	CNRS-INPG
Popescu, Dumitru	Pol. Univ. of Bucharest
<b>WeCT4</b>	Paxi
<b>Two-Wheeled Vehicles : Dynamics and Control</b> (Invited Session)	
Chair: Mammam, Said	Univ. of Evry
Co-Chair: Ichalal, Dalil	Lab. d'Informatique, Biologie Integrative et Systemes Complexes (IBISC)
Organizer: Mammam, Said	Univ. of Evry
Organizer: Arioui, Hichem	IBISC Lab. Univ. d'Evry
Organizer: Ichalal, Dalil	Lab. d'Informatique, Biologie Integrative et Systemes Complexes (IBISC)
16:30-16:50	WeCT4.1
<i>Control and Maneuver Assessment of the Anaconda (I)</i> , pp. 910-915.	
Kabeya Tshibamba, Python	Univ. of Mons, Faculty of Engineering
Verlinden, Olivier	Univ. of Mons, Faculty of Engineering
16:50-17:10	WeCT4.2
<i>Driver's Movements Influence on the Lateral Dynamic of a Sport Motorbike (I)</i> , pp. 916-921.	
Cheli, Federico	Pol. di Milano
Pezzola, Marco	Pol. di Milano - CIG 2251068812
Taroni, Niccolò	Pol. di Milano
Mazzoleni, Paolo	Pol. di Milano
Zappa, Emanuele	Pol. di Milano
17:10-17:30	WeCT4.3
<i>Methodology to Optimize Engine Mounts Design in Order to Minimize Inertial Unbalances Vibration Propagation (I)</i> , pp. 922-927.	
Agostoni, Stefano	Pol. di Milano CIG 2251068812
Pezzola, Marco	Pol. di Milano - CIG 2251068812
Cheli, Federico	Pol. di Milano
Giombini, Marcello	Pol. di Milano
17:30-17:50	WeCT4.4
<i>Objectification of the Subjective Riding Comfort Perception of Motorcycles: Experimental Analysis and International Standards Procedures (I)</i> , pp. 928-933.	
Agostoni, Stefano	Pol. di Milano CIG 2251068812
Pezzola, Marco	Pol. di Milano - CIG 2251068812
Cheli, Federico	Pol. di Milano
17:50-18:10	WeCT4.5
<i>Observer Design for a Single Track Vehicle : A Takagi-Sugeno Approach with Unmeasurable Premise Variables (I)</i> , pp. 934-939.	
Ichalal, Dalil	Lab. d'Informatique, Biologie Integrative et Systemes Com
Arioui, Hichem	IBISC Lab. Univ. d'Evry
Mammam, Said	Univ. of Evry
18:10-18:30	WeCT4.6
<i>Review on Single Track Vehicle and Motorcycle Simulators (I)</i> , pp. 940-945.	

NEHAOUA, LAMRI  
Arioui, Hichem  
Mammar, Said

IBISC Lab.  
IBISC Lab. Univ. d'Evry  
Univ. of Evry

<b>WeCT5</b>		Zante
<b>Fault Diagnosis III (Regular Session)</b>		
Chair: Neculescu, Dan		Univ. of Ottawa
Co-Chair: Shumsky, Alexey		Inst. of Applied Mathematics
16:30-16:50		WeCT5.1
<i>Analytical and Simulation Investigation of the Experimental Design for Infrared Non Destructive Testing</i> , pp. 946-951.		
Neculescu, Dan		Univ. of Ottawa
Spinello, Davide		Univ. of Ottawa
Borazjani, Ehsan		Univ. of Ottawa
Bayat, Sharareh		Univ. of Ottawa
16:50-17:10		WeCT5.2
<i>Importance of Auxiliary Systems for Process Fault Detection and Diagnosis</i> , pp. 952-957.		
Cecilio, Inês M.		Imperial Coll. London
Chen, Su-Liang		Imperial Coll. London
Thornhill, Nina		Imperial Coll. London
17:10-17:30		WeCT5.3
<i>Time-Based Modeling Approach for Drift Monitoring in Discrete Event Systems</i> , pp. 958-963.		
Sayed-mouchaweh, Moamar		Univ. de Reims Champagne Ardenne
Malki, Nouredine		Univ. de Reims Champagne Ardenne
17:30-17:50		WeCT5.4
<i>A Health Management Framework for Environmental Control Systems</i> , pp. 964-969.		
Raptis, Ioannis		Georgia Inst. of Tech.
Vachtsevanos, George		Georgia Inst. of Tech.
17:50-18:10		WeCT5.5
<i>On the Use of Delay Timers and Latches for Efficient Alarm Design</i> , pp. 970-975.		
kondaveeti, Sandeep		Univ. of Alberta
Izadi, Iman		Univ. of Alberta
Shah, Sirish L		Univ. of Alberta
Chen, Tongwen		Univ. of Alberta
18:10-18:30		WeCT5.6
<i>An Optimization Approach to the Problem of Nonlinear Diagnostic Filter Design</i> , pp. 976-981.		
Shumsky, Alexey		Inst. of Applied Mathematics
Zhirabok, Alexey		Far Eastern Federal Univ.

**Technical Program for Thursday June 23, 2011**

<b>ThAT1</b>	Kerkyra Ballroom
<b>Networked Systems II (Regular Session)</b>	
Chair: Koutsoukos, Xenofon	Vanderbilt Univ.
Co-Chair: Bitsoris, Georges	Univ. of Patras
08:30-08:50	ThAT1.1
<i>Event-Based Output-Feedback Control</i> , pp. 982-987.	
Lehmann, Daniel	Ruhr-Univ. Bochum
Lunze, Jan	Ruhr-Univ. Bochum
08:50-09:10	ThAT1.2
<i>Intrusion Diagnosis and Compensation for Acyclic Networked Systems Using a Multinode Strategy: Analysis and Design</i> , pp. 988-993.	
Parlangeli, Gianfranco	Univ. degli studi di Lecce
09:10-09:30	ThAT1.3
<i>Wireless Event-Triggered Controller for a 3D Tower Crane Lab Process</i> , pp. 994-1001.	
Altaf, Faisal	KTH Royal Inst. of Tech.
Araujo, Jose	Royal Inst. of Tech.
Hernandez, Aitor	KTH Royal Insitute of Tech.
Sandberg, Henrik	Royal Inst. of Tech. (KTH)
Johansson, Karl Henrik	Royal Inst. of Tech.
09:30-09:50	ThAT1.4
<i>PaNeCS: A Modeling Language for Passivity-Based Design of Networked Control Systems</i> , pp. 1002-1007.	
Eyisi, Emeka	ISIS Vanderbilt Univ.
Porter, Joseph	Vanderbilt Univ.
Kottenstette, Nicholas	Vanderbilt Univ.
Koutsoukos, Xenofon	Vanderbilt Univ.
Sztipanovits, Janos	Vanderbilt Univ.
09:50-10:10	ThAT1.5
<i>A Polyhedral Approach to the Stability Analysis and Feedback Stabilization of Networked Control Systems</i> , pp. 1008-1013.	
Athanasopoulos, Nikolaos	Univ. of Patras
Bitsoris, Georges	Univ. of Patras
Dritsas, Leonidas	Univ. of Patras
10:10-10:30	ThAT1.6
<i>Networked Control of Symmetrically Interconnected Systems</i> , pp. 1014-1021.	
Demir, Ozan	Ruhr-Univ. Bochum
Lunze, Jan	Ruhr-Univ. Bochum
<b>ThAT2</b>	Ithaca
<b>Nonlinear Control IV (Regular Session)</b>	
Chair: Kosmatopoulos, Elias	Democritus Univ. of Thrace
Co-Chair: Ioannou, Petros A.	Univ. of Southern California
08:30-08:50	ThAT2.1
<i>Nonlinear Control of Large Scale Complex Systems: The AGILE Control Design Approach</i> , pp. 1022-1027.	
Kosmatopoulos, Elias	Democritus Univ. of Thrace
Aboudolas, Konstantinos	Centre for Res. and Tech. Hellas
Rovas, Dimitrios	Tech. Univ. of Crete
Papachristodoulou, Antonis	Univ. of Oxford
Ioannou, Petros A.	Univ. of Southern California
08:50-09:10	ThAT2.2
<i>Control Design for Open-Loop Unstable Quadratic Systems</i> , pp. 1028-1033.	
Coutinho, Daniel	Univ. Federal de Santa Catarina
de Souza, Carlos E.	National Lab. for Scientific Computing (LNCC)

09:10-09:30		ThAT2.3
<i>Dynamics and Control of High Duty Counter-Current Heat Exchangers</i> , pp. 1034-1039.		
Heo, Seongmin		Univ. of Minnesota
Jogwar, Sujit		U. Minnesota
Daoutidis, Prodromos		Univ. of Minnesota
09:30-09:50		ThAT2.4
<i>Compensation of Time-Varying Input Delay for Nonlinear Systems</i> , pp. 1040-1045.		
Bekiaris-Liberis, Nikolaos		Univ. of California, San Diego
Krstic, Miroslav		Univ. of California at San Diego
09:50-10:10		ThAT2.5
<i>Control Solution for Some Classes of Nonlinear Processes (I)</i> , pp. 1046-1051.		
Lupu, Ciprian		Pol. Univ. of Bucharest
Udrea, Andreea		Pol. Univ. of Bucharest
Ticlea, Alexandru		Pol. Univ. of Bucharest
10:10-10:30		ThAT2.6
<i>Optimization of Volterra Models with Asymmetrical Kernels Based on Generalized Orthonormal Functions</i> , pp. 1052-1058.		
Braga, Márcio Feliciano		Univ. of Campinas
Machado, Jeremias Barbosa		Federal Univ. of Itajuba
Campello, Ricardo José Gabrielli Barreto		Univ. of São Paulo
Amaral, W.C.		FEEC/UNICAMP
<b>ThAT3</b>		Lefkas
<b>Robotics II (Regular Session)</b>		
Chair: Potkonjak, Veljko		Univ. of Belgrade
Co-Chair: Innocenti, Mario		Univ. of Pisa
08:30-08:50		ThAT3.1
<i>Anthropomorphic Robot with Passive Compliance - Contact Dynamics and Control</i> , pp. 1059-1064.		
Potkonjak, Veljko	Faculty of Electrical Engineering, Univ. of Belgrade	
Svetozarevic, Bratislav		ETH - Zurich
Jovanovic, Kosta	Faculty of Electrical Engineering, Univ. of Belgrade	
Holland, Owen		Univ. od Sussex
08:50-09:10		ThAT3.2
<i>Behavior of Digital and Analog Controller Devices for Manual Driving of Rhombic Like Vehicles</i> , pp. 1065-1070.		
Weinholtz, Joao		IST
Vale, Alberto		IPFN-IST
09:10-09:30		ThAT3.3
<i>Design and Experimental Evaluation of an Innovative SMA-Based Tendon-Driven Redundant Endoscopic Robotic Surgical Tool</i> , pp. 1071-1075.		
Giataganas, Petros		Univ. of Patras
Evangeliou, Nikolaos		Univ. of Patras
Koveos, Yannis		Univ. of Patras
Kelasidi, Eleni	Univ. of Patras, Department of Electrical and Computer Engine	
Tzes, Anthony		Univ. of Patras
09:30-09:50		ThAT3.4
<i>Discrete-Time Sliding-Mode Control of Four Driving/Steering Wheels Mobile Platform</i> , pp. 1076-1081.		
Dumitrascu, Bogdan		Univ. Dunarea de Jos of Galati
Filipescu, Adrian		Univ. "Dunarea de Jos" of Galati
Vasilache, Cristian		Univ. "Dunarea de Jos" of Galati, Romania
Minca, Eugenia		Univ. Valahia din Targoviste
Filipescu, Adriana		Univ. "Dunarea de Jos" of Galati
09:50-10:10		ThAT3.5
<i>LPV Modelling and Control of a Twin Rotor MIMO System</i> , pp. 1082-1087.		
Nejjari, Fatiha		Univ. Pol. de Catalunya

Rotondo, Damiano	UPC
Puig, Vicenc	UPC
Innocenti, Mario	Univ. of Pisa
10:10-10:30	ThAT3.6
<i>Dynamics Modeling of a Two-Wheeled Vehicle Using Jourdain's Principle</i> , pp. 1088-1093.	
NEHAOUA, LAMRI	IBISC Lab.
Nouveliere, Lydie	Informatique Biologie Integrative Systemes Complexes
Mammar, Said	Univ. of Evry
<b>ThAT4</b>	Paxi
<b>Fault Tolerant Control</b> (Regular Session)	
Chair: Zolotas, Argyrios	Loughborough Univ.
Co-Chair: Smith, Monty	Arkansas Tech. Univ.
08:30-08:50	ThAT4.1
<i>Fault-Tolerant Cooperative Control: A Distributed Model Predictive Control Approach</i> , pp. 1094-1099.	
Menighed, Kamel	Nancy Univ.
Yamé, Joseph-Julien	Univ. Henri Poincaré
Aubrun, Christophe	Univ. Henri Poincaré
BOUSSAID, Boumedyen	Univ. Henri Poincaré
08:50-09:10	ThAT4.2
<i>Optimal and Robust Control for a Small-Area FLL</i> , pp. 1100-1105.	
Albea, Carolina	CEA-Leti
Puschini, Diego	CEA-Leti
lesecq, suzanne	CEA
Beigne, Edith	CEA-Leti
09:10-09:30	ThAT4.3
<i>Fault Tolerant Tracking Control for Continuous Takagi-Sugeno Systems with Time Varying Faults</i> , pp. 1106-1111.	
Bouarar, Tahar	Inst. National Pol. de Lorraine
Marx, Benoit	Centre de Recherche en Automatique de Nancy
Maquin, Didier	Inst. National Pol. de Lorraine
Ragot, Jose	CRAN-INPL
09:30-09:50	ThAT4.4
<i>Optimal Selection for Sensor Fault Tolerant Control of an EMS System Via Loop-Shaping Robust Control</i> , pp. 1112-1117.	
Michail, Konstantinos	The Cyprus Inst.
Zolotas, Argyrios	Loughborough Univ.
Goodall, Roger	Loughborough Univ.
Halikias, George	City Univ.
09:50-10:10	ThAT4.5
<i>Transformations for Reducing Steady State Error Due to Uncertain Disturbance Biases</i> , pp. 1118-1121.	
Smith, Monty	Arkansas Tech. Univ.
10:10-10:30	ThAT4.6
<i>Robust Fuzzy Scheduler Control for WECS Subject to Sensor Faults</i> , pp. 1122-1127.	
Kamal, Elkhatib	LAGIS FRE CNRS 3033, Lille, France
Aitouche, Abdel	LAGIS/HEI
BAYART, Mireille	LAGIS/Pol.
<b>ThAT5</b>	Zante
<b>Control Applications II</b> (Regular Session)	
Chair: Ruderman, Michael	Tech. Univ. Dortmund
Co-Chair: Muros Ponce, Francisco Javier	Univ. of Seville
08:30-08:50	ThAT5.1
<i>Agent-Based Modeling of an Activated Sludge Process in a Batch Reactor</i> , pp. 1128-1133.	
Pereda, Maria	Univ. of Valladolid



Zamarreno, Jesus M.	Univ. of Valladolid
08:50-09:10	ThAT5.2
<i>On System-Oriented Modeling and Identification of Magnetic Shape Memory (MSM) Actuators</i> , pp. 1134-1139.	
Ruderman, Michael	Tech. Univ. Dortmund
Bertram, Torsten	Tech. Univ. Dortmund
09:10-09:30	ThAT5.3
<i>Composed Adaptive Control for a Second-Order Nonlinear Model of a Biotechnological Process</i> , pp. 1140-1143.	
WANG, Haoping	Univ. of Picardie Jules Verne
Kalchev, Boyko	Inst. of Microbiology, Bulgarian Acad. of Sciences
Tian, Yang	Ec. Centrale de Lille
Simeonov, Ivan	Inst. of Microbiology, Bulgarian Acad. of Sciences
Christov, Nicolaï	Univ. des Sciences et Tech. de Lille
VASSEUR, Christian	Lille1 Univ. of Science and Tech.
09:30-09:50	ThAT5.4
<i>Modified One-Step-Ahead Prediction Scheme for a Practical Pilot Plant</i> , pp. 1144-1149.	
fadaei, ali	Petroleum Univ. of Tech.
Hourfar, Farzad	Petroleum Univ. of Tech. - Petropars Ltd.
Salahshoor, Karim	Petroleum Univ. of Tech.
Moshiri, Behzad	Univ. of Tehran
09:50-10:10	ThAT5.5
<i>A General Distillation Modeling Framework Applied to an Isotopic Distillation Column</i> , pp. 1150-1154.	
Muntean, Ionut	Tech. Univ. of Cluj-Napoca
Stuckert, Maxim	RWTH Aachen Univ.
Abrudean, Mihail	Department of Automation, Tech. Univ. of Cluj-Napoca, 4
10:10-10:30	ThAT5.6
<i>Tracking Accuracy and Stability of a Sliding Peak-Filter Based Controller for Spiral Nanopositioning in Probe Storage Systems</i> , pp. 1155-1159.	
Kotsopoulos, Andreas	Univ. of Patras
Antonakopoulos, Theodore	Univ. of Patras
<b>ThBT1</b>	Kerkyra Ballroom
<b>Wireless Sensor Networks</b> (Regular Session)	
Chair: Shimkin, Nahum	Tech.
Co-Chair: Bishop, Adrian	Australian National Univ. (ANU)
11:00-11:20	ThBT1.1
<i>A Dual Scheme for Secured Multimedia Wireless Sensor Network</i> , pp. 1160-1165.	
Tsitsipis, Dimitris	Univ. of Patras
Nikolakopoulos, George	Luleå Univ. of Tech.
Tzes, Anthony	Univ. of Patras
Koubias, Stavros	Univ. of Patras
11:20-11:40	ThBT1.2
<i>Transmitter Power Estimation for Uncooperative Emitters with the Cayley-Menger Determinant</i> , pp. 1166-1169.	
Bishop, Adrian	Australian National Univ. (ANU)
11:40-12:00	ThBT1.3
<i>Consensus Based Distributed Change Detection Using Generalized Likelihood Ratio Methodology</i> , pp. 1170-1175.	
Ilic, Nemanja	Univ. of Belgrade, Serbia
Stankovic, Srdjan	Univ. of Belgrade, Serbia
Stankovic, Milos	Royal Insitute of Tech. (KTH)
Johansson, Karl Henrik	Royal Inst. of Tech.
12:00-12:20	ThBT1.4
<i>Position-Adaptive Direction Finding of Electromagnetic Sources Using Wireless Sensor Networks</i> , pp. 1176-1181.	
Selmic, Rastko R.	Louisiana Tech. Univ.
Gates, Miguel	Louisiana Tech. Univ.

Barber, Christopher	Louisiana Tech. Univ.
Mitra, Atindra	Air Force Res. Lab.
Ordonez, Raul	Univ. of Dayton
12:20-12:40	ThBT1.5
<i>Clock Synchronization Using Maximal Margin Estimation</i> , pp. 1182-1187.	
Pinkovich, Dani	Tech.
Shimkin, Nahum	Tech.
<b>ThBT2</b>	Ithaca
<b>Robotic Technologies Applied to Ship Inspection: The MINOAS Project</b> (Invited Session)	
Chair: Bibuli, Marco	CNR - ISSIA
Co-Chair: Ortiz, Alberto	Univ. of the Balearic Islands
Organizer: Bibuli, Marco	CNR - ISSIA
Organizer: Ortiz, Alberto	Univ. of the Balearic Islands
11:00-11:20	ThBT2.1
<i>The MINOAS Project: Marine INSpection Robotic Assistant System (I)</i> , pp. 1188-1193.	
Bibuli, Marco	CNR - ISSIA
Bruzzone, Gabriele	CNR - ISSIA
Caccia, Massimo	CNR - ISSIA
Ortiz, Alberto	Univ. of the Balearic Islands
Eich, Markus	DFKI
Kolyvas, Efthymios	Univ. of Patras
11:20-11:40	ThBT2.2
<i>Robot Task Allocation and Path-Planning Systems in the MINOAS Project Framework (I)</i> , pp. 1194-1199.	
Bibuli, Marco	CNR - ISSIA
Bruzzone, Gabriele	CNR - ISSIA
Caccia, Massimo	CNR - ISSIA
11:40-12:00	ThBT2.3
<i>Design and Control of a Lightweight Magnetic Climbing Robot for Vessel Inspection (I)</i> , pp. 1200-1205.	
Eich, Markus	DFKI
Vögele, Thomas	DFKI
12:00-12:20	ThBT2.4
<i>An AdaBoost-Based Approach for Coating Breakdown Detection in Metallic Surfaces (I)</i> , pp. 1206-1211.	
Bonnin-Pascual, Francisco	Univ. of Balearic Islands
Ortiz, Alberto	Univ. of the Balearic Islands
12:20-12:40	ThBT2.5
<i>Requirements and Design of a Reliable Network to Support Robotized Vessels Inspections (I)</i> , pp. 1212-1216.	
Spadoni, Francesco	Rigel Engineering S.r.l.
Grippio, Valerio	Rigel Engineering S.r.l.
12:40-13:00	ThBT2.6
<i>A Control Software Architecture for Autonomous Unmanned Vehicles Inspired in Generic Components (I)</i> , pp. 1217-1222.	
Ortiz, Alberto	Univ. of the Balearic Islands
Bonnin-Pascual, Francisco	Univ. of Balearic Islands
Garcia-Fidalgo, Emilio	Univ. of Balearic Islands
Beltran, Joan P.	Univ. of Balearic Islands
<b>ThBT3</b>	Lefkas
<b>Unmanned Aerial Vehicles</b> (Regular Session)	
Chair: Vachtsevanos, George	Georgia Inst. of Tech.
Co-Chair: Valavanis, Kimon	Univ. of Denve
11:00-11:20	ThBT3.1
<i>Designing Simple Indoor Navigation System for UAVs</i> , pp. 1223-1228.	
Kara Mohamed, Mohamed	The Univ. of Manchester

Patra, Sourav	Univ. of Manchester
Lanzon, Alexander	Univ. of Manchester
11:20-11:40	ThBT3.2
<i>A Load Alleviation Application of an Elastic Motion Estimator for a Flexible UAV</i> , pp. 1229-1234.	
Cicala, Marco	Italian Aerospace Res. Center
Baraniello, Vincenzo Rosario	Italian Aerospace Res. Center
Sollazzo, Adolfo	Italian Aerospace Res. Center
11:40-12:00	ThBT3.3
<i>Rotorcraft Control and Trajectory Generation for Target Tracking</i> , pp. 1235-1240.	
Sconyers, Chris	Georgia Inst. of Tech.
Raptis, Ioannis	Georgia Inst. of Tech.
Vachtsevanos, George	Georgia Inst. of Tech.
12:00-12:20	ThBT3.4
<i>Real-Time Characterization of Microsoft Flight Simulator 2004 for Integration into Hardware in the Loop Architecture</i> , pp. 1241-1246.	
LOUALI, Rabah	École Militaire Pol. (Military Pol.
BELOULA, Abdelmalek	École Militaire Pol. (MilitaryPolytechnicSchool),Algier
Mohand Saïd DJOUADI, Mohand Saïd DJOUADI	EMP
BOUAZIZ, Samir	Inst. d'Electronique Fondamentale (IEF), Univ. Paris-sud
12:20-12:40	ThBT3.5
<i>Model Predictive Quadrotor Indoor Position Control</i> , pp. 1247-1252.	
Alexis, Kostas	Univ. of Patras
Papachristos, Christos	Univ. of Patras
Nikolakopoulos, George	Luleå Univ. of Tech.
Tzes, Anthony	Univ. of Patras
12:40-13:00	ThBT3.6
<i>Robust Control for an Off-Centered Quadrotor</i> , pp. 1253-1258.	
Raharijaona, Thibaut	Paul Cézanne Univ.
Bateman, François	Lab. des Sci. des Systèmes d'Info
<b>ThBT4</b>	Paxi
<b>Neural Networks (Regular Session)</b>	
Chair: Boutalis, Yiannis	Democritus Univ. of Thrace
Co-Chair: Mihaylov, Anton	Tech. Univ. of Sofia
11:00-11:20	ThBT4.1
<i>Adaptive Approach for Filtering the Sigma Phase in Austenitic Stainless Steel Metallographic Microstructures</i> , pp. 1259-1264.	
Tzokev, Alexander	Tech. Univ. of Sofia
Topalova, Irina	Tech. Univ. of Sofia
Mihaylov, Anton	Tech. Univ. of Sofia
11:20-11:40	ThBT4.2
<i>MLP Neural Network As Load Forecasting Tool on Short Term Horizon</i> , pp. 1265-1270.	
Dragomir, Otilia	Valahia Univ. of Targoviste
Dragomir, Florin	Univ. Valahia din Targoviste
Brezeanu, Iulian	Valahia Univ. of Targoviste
Minca, Eugenia	Univ. Valahia din Targoviste
11:40-12:00	ThBT4.3
<i>Nonlinear Neuro-Predictive Control of a Miniature Coaxial Helicopter</i> , pp. 1271-1276.	
Muresan, Bogdan	Tech. Univ. of Cluj-Napoca
Pop, Cristina Ioana	Tech. Univ. of Cluj Napoca
Nascu, Ioan	Tech. Univ. of Cluj-Napoca
Crisan, Ruben Dan	Tech. Univ. of Cluj-Napoca
12:00-12:20	ThBT4.4
<i>Predictive Dual Control for Nonlinear Stochastic Systems Modelled by Neural Networks</i> , pp. 1277-1282.	

Kral, Ladislav	Univ. of West Bohemia
Simandl, Miroslav	Univ. West Bohemia
12:20-12:40	ThBT4.5
<i>Identification of Combination Therapy Models Using a Neuro Fuzzy Identification Scheme</i> , pp. 1283-1288.	
Giotis, Thomas	Tech. Univ. of Crete
Christodoulou, Manolis A.	Tech. Univ. of Crete
Boutalis, Yiannis	Democritus Univ. of Thrace
<b>ThBT5</b>	Zante
<b>PID Control</b> (Regular Session)	
Chair: Margaris, Nikolaos	Aristotle Univ. of Thessaloniki
Co-Chair: Csernak, Gabor	Hungarian Acad. of Sciences
11:00-11:20	ThBT5.1
<i>Optimal Tuning of PID Controllers for Integrating Processes Via the Symmetrical Optimum Criterion</i> , pp. 1289-1294.	
Papadopoulos, Konstantinos	ABB Ltd. Switzerland
Mermikli, Konstantina	Aristotle Univ. of Thessaloniki
Margaris, Nikolaos	Aristotle Univ. of Thessaloniki
11:20-11:40	ThBT5.2
<i>Optimal Tuning of PID Controllers for Type-III Control Loops</i> , pp. 1295-1300.	
Papadopoulos, Konstantinos	ABB Ltd. Switzerland
Papastefanaki, Eirini	Aristotle Univ. of Thessaloniki, Department of Electrical &
Margaris, Nikolaos	Aristotle Univ. of Thessaloniki
11:40-12:00	ThBT5.3
<i>Tuning PI Controllers Based on H-Infinity Weighted Sensitivity</i> , pp. 1301-1306.	
Alcántara, Salva	Univ. Autònoma de Barcelona
Skogestad, Sigurd	Norwegian Univ. of Science & Tech.
Grimholt, Chriss	Norwegian Univ. of Science & Tech.
Pedret, Carles	Univ. Autònoma de Barcelona
Vilanova, Ramon	Univ. Autònoma de Barcelona
12:00-12:20	ThBT5.4
<i>Suitability of PID Controllers for Unstable Processes: An Issue to Be Tackled in Undergraduate Control Education</i> , pp. 1307-1312.	
Tahboub, Karim	Heidelberg Univ.
12:20-12:40	ThBT5.5
<i>Bridging the Gap between Advanced Control Methods and Industrial Control Applications: Shortcomings of the Current Nonlinear PID Method and New Research Lines to Its Enhancing</i> , pp. 1313-1318.	
Soares dos Santos, Marco	Univ. of Aveiro
Ferreira, Jorge	Univ. of Aveiro
Boeri, Camila	Univ. of Aveiro
12:40-13:00	ThBT5.6
<i>Sampling and Round-Off, As Sources of Chaos in PD-Controlled Systems</i> , pp. 1319-1324.	
Csernak, Gabor	Hungarian Acad. of Sciences
<b>ThCT1</b>	Kerkyra Ballroom
<b>Hybrid Systems</b> (Regular Session)	
Chair: Vasca, Francesco	Univ. of Sannio
Co-Chair: Perdon, Anna Maria	Univ. Pol. delle Marche
14:30-14:50	ThCT1.1
<i>Discrete-Time Switched Systems, Set-Theoretic Analysis and Quasi-Quadratic Lyapunov Functions</i> , pp. 1325-1330.	
Hetel, Laurentiu	LAGIS FRE CNRS 3303
Kruszewski, Alexandre	Ec. Centrale de LILLE
Perruquetti, Wilfrid	Ec. Centrale de Lille
Richard, Jean-Pierre	Ec. Centrale de Lille

14:50-15:10	ThCT1.2
<i>A Hybrid Observer Approach for Driver Drowsiness Detection</i> , pp. 1331-1336.	
Cario, Gianni	Univ. della Calabria
Casavola, Alessandro	Univ. Della Calabria
Giuseppe, Franze'	Univ. Degli Studi della Calabria
Lupia, Marco	Univ. della Calabria
15:10-15:30	ThCT1.3
<i>Stability of Lur'e Systems with Piecewise Linear Sector Bounds</i> , pp. 1337-1342.	
Vasca, Francesco	Univ. of Sannio
Iervolino, Raffaele	Univ. degli Studi di Napoli
Iannelli, Luigi	Univ. of Sannio in Benevento
15:30-15:50	ThCT1.4
<i>Reset Control Systems with Reset Band: Well-Posedness and Limit Cycles Analysis</i> , pp. 1343-1348.	
Barreiro, Antonio	Univ. of Vigo (spain)
BAÑOS, ALFONSO	Univ. OF MURCIA
Dormido, Sebastián	UNED
15:50-16:10	ThCT1.5
<i>A Necessary Condition for Disturbance Decoupling with Quadratic Stability in Switched Linear Systems</i> , pp. 1349-1354.	
Conte, Giuseppe	Univ. delle Marche
Perdon, Anna Maria	Univ. Pol. delle Marche
16:10-16:30	ThCT1.6
<i>Input-Output Finite-Time Stability of Switching Systems with Uncertainties on the Resetting Times</i> , pp. 1355-1360.	
Amato, Francesco	Univ. degli Studi Magna Graecia di Catanzaro
Carannante, Giuseppe	Univ. degli Studi di Napoli Federico II
De Tommasi, Gianmaria	Univ. degl Studi di Napoli
16:30-16:50	ThCT1.7
<i>Finite-Time Stabilization of Switching Linear Systems with Uncertain Resetting Times</i> , pp. 1361-1366.	
Amato, Francesco	Univ. degli Studi Magna Graecia di Catanzaro
Carannante, Giuseppe	Univ. degli Studi di Napoli Federico II
De Tommasi, Gianmaria	Univ. degl Studi di Napoli
<b>ThCT2</b>	<b>Ithaca</b>
<b>Vision and Robotics (Regular Session)</b>	
Chair: Vagia, Marialena	Univ. of Patras
Co-Chair: Boussalis, Helen	California State Univ.
14:30-14:50	ThCT2.1
<i>Ray Tracing Visualization Using LabVIEW for Precision Pointing Architecture of a Segmented Reflector Testbed</i> , pp. 1367-1372.	
Desai, Alok	SPACE Center, Cal State Los Angeles, California, USA
Tarsaria, Harshit	SPACE Center, Cal State Los Angeles, California, USA
Alvarenga, Jessica	SPACE Center, Cal State Los Angeles, California, USA
Rad, Khosrow	California State Univ. Los Angeles
Boussalis, Helen	California State Univ.
14:50-15:10	ThCT2.2
<i>Heading Control System Design for an Unmanned Helicopter</i> , pp. 1373-1378.	
Nejjari, Fatiha	Univ. Pol. de Catalunya
Saldivar, Eleazar	UPC
Morcego, Bernardo	Univ. Pol. de Catalunya
15:10-15:30	ThCT2.3
<i>Decentralized Learning in Multiple Pursuer-Evader Markov Games</i> , pp. 1379-1385.	
Givigi, Sidney	Royal Military Coll. of Canada
Schwartz, Howard M.	Carleton Univ.
15:30-15:50	ThCT2.4

*Numerical Investigation of the Spatial Estimation Error in Sensor Guidance Used for the Localization of a Gaseous Source in a 2D Domain*, pp. 1386-1391.

Demetriou, Michael A.

Worcester Pol. Inst.

Gatsonis, Nikolaos A.

Worcester Pol. Inst.

Court, Jeffrey

Worcester Pol. Inst.

15:50-16:10

ThCT2.5

*Extension of the Travel Range of a Nanoswitch with the Usage of a Nonlinear Backstepping Control Techniques*, pp. 1392-1397.

Vagia, Marialena

Univ. of Patras

16:10-16:30

ThCT2.6

*Precise Hybrid Motion Detection and Tracking in Dynamic Background*, pp. 1398-1402.

Fakharian, Ahmad

Islamic Azad Univ.

Hosseini, Saman

Islamic Azad Univ.

Gustafsson, Thomas

Luleå Univ. of Tech.

16:30-16:50

ThCT2.7

*A Novel Framework for Annotating Videos Using Text*, pp. 1403-1408.

Gali, Pradeep Kumar

Univ. of Minnesota

Morellas, Vassilios

Univ. of Minnesota

Papanikolopoulos, Nikos

Univ. of Minnesota

### ThCT3

Lefkas

#### Industrial Automation (Regular Session)

Chair: Manesis, Stamatis

Univ. of Patras

Co-Chair: Bartoszewicz, Andrzej

Tech. Univ. of Lodz

14:30-14:50

ThCT3.1

*A Statistical Model-Based Diagnostic Scheme for Cost-Effective Determination of Freshness in Fish Industry*, pp. 1409-1414.

Dimogianopoulos, Dimitrios

Tech. Educational Inst. of Piraeus

Grigorakis, Kriton

Hellenic Centre for Marine Res. Inst. of Aquacult

14:50-15:10

ThCT3.2

*LQ Optimal DSM Control of Perishable Inventory Systems with a Remote Supply Source*, pp. 1415-1420.

Ignaciuk, Przemyslaw

Tech. Univ. of Lodz

Bartoszewicz, Andrzej

Tech. Univ. of Lodz

15:10-15:30

ThCT3.3

*Estimation of Rotor Position and Speed for Sensorless DSP-Based PMSM Drives*, pp. 1421-1426.

Ciabattoni, Lucio

Univ. Pol. delle Marche

Grisostomi, Massimo

Univ. Pol. delle Marche

Ippoliti, Gianluca

Univ. Pol. delle Marche

Longhi, Sauro

Univ. Pol. delle Marche

15:30-15:50

ThCT3.4

*Smith Predictor Based Control of Continuous-Review Perishable Inventory Systems with Multiple Supply Alternatives*, pp. 1427-1432.

Ignaciuk, Przemyslaw

Tech. Univ. of Lodz

Bartoszewicz, Andrzej

Tech. Univ. of Lodz

15:50-16:10

ThCT3.5

*Robust Polytopic  $H_\infty$  Control of Linear Retarded State-Multiplicative Stochastic Systems*, pp. 1433-1438.

Gershon, Eli

Tel Aviv Univ.

Shaked, Uri

Tel-Aviv Univ.

Berman, Nadav

Ben Gurion Univ. of The Negev

16:10-16:30

ThCT3.6

*A Survey on Applications of Pneumatic Artificial Muscles*, pp. 1439-1446.

Andrikopoulos, George

Univ. of Patras, Greece

Nikolakopoulos, George

Luleå Univ. of Tech.

Manesis, Stamatis

Univ. of Patras

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16:30-16:50 ThCT3.7

*Combined Control of Combustion Load and Combustion Position in a Moving Grate Biomass Furnace*, pp. 1447-1452.

Paces, Nicole	Vienna Univ. of Tech.
Voigt, Andreas	VOIGT+WIPP Engineers GmbH
Jakubek, Stefan M.	Vienna Univ. of Tech. Austria
Schirrer, Alexander	Vienna Univ. of Tech.
Kozek, Martin	Vienna Univ. of Tech.

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**ThCT4** Paxi

**Fuzzy Systems** (Regular Session)

Chair: Groumpos, Peter	Univ. of Patras
Co-Chair: Eren, Tolga	Kirikkale Univ.

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14:30-14:50 ThCT4.1

*Feedback Linearization Adaptive Fuzzy Control for Nonlinear Systems: A Multiple Models Approach*, pp. 1453-1459.

Sofianos, Nikolaos	Democritus Univ. of Thrace
Boutalis, Yiannis	Democritus Univ. of Thrace
Christodoulou, Manolis A.	Tech. Univ. of Crete

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14:50-15:10 ThCT4.2

*Model Reference Fuzzy Learning Force Control for Robotized Sewing*, pp. 1460-1465.

Triantafyllou, Dimitra	Univ. of Patras
Koustoumpardis, Panagiotis	Univ. of Patras
Aspragathos, Nikos	Univ. of Patras

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15:10-15:30 ThCT4.3

*Using Fuzzy Logic in Shape Control of Cyclic Networks in Multi-Vehicle Formations*, pp. 1466-1471.

Eren, Tolga	Kirikkale Univ.
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15:30-15:50 ThCT4.4

*Robust Fuzzy Cascade Control Revised: Application to the Rotary Inverted Pendulum*, pp. 1472-1477.

Alt, Benedikt	Univ. of the German Armed Forces
Hartung, Christoph	Univ. der Bundeswehr München
Svaricek, Ferdinand	Univ. of the German Armed Forces, Munich

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15:50-16:10 ThCT4.5

*Application of Fuzzy Logic to Reduce Modelling Errors in PIDSP for FOPDT Process Control*, pp. 1478-1483.

Chen, Hao	Glyndwr Univ.
Zouaoui, Zoubir	Glyndwr Univ.
Chen, Zheng	Glyndwr Univ.

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16:10-16:30 ThCT4.6

*Robust Stabilization Conditions for Time-Delay Fuzzy Systems Using Fuzzy Weighting-Dependent Approach*, pp. 1484-1489.

Latrach, Chedia	Univ. of Sfax
Kchaou, Mourad	National School of Engineers of Sfax Tunisia
El Hajjaji, Ahmed	Univ. de Picardie-Jules Verne

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16:30-16:50 ThCT4.7

*Fuzzy Cognitive Maps: Basic Theories and Their Applications in Medical Problems*, pp. 1490-1497.

Groumpos, Peter	Univ. of Patras
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**ThCT5** Zante

**Linear Systems II** (Regular Session)

Chair: Sename, Olivier	INPG
Co-Chair: Diversi, Roberto	Univ. of Bologna

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14:30-14:50 ThCT5.1

*First-Order Controllers Design Employing Dominant Pole Placement*, pp. 1498-1503.

Madady, Ali	Tafresh Univ.
Reza-Alikhani, Hamid-Reza	Tafresh Univ.

14:50-15:10	ThCT5.2
<i>Non Standard Ricatti Solution and Linear Quadratic Pinning Control</i> , pp. 1504-1509.	
Herzallah, Randa	Al-Balqa' Applied Univ.
15:10-15:30	ThCT5.3
<i>On the Use of Minimal Parametrizations in Multivariable Output-Error Identification</i> , pp. 1510-1515.	
Guidorzi, Roberto P.	Univ. of Bologna
Diversi, Roberto	Univ. of Bologna
15:30-15:50	ThCT5.4
<i>A Simple Derivation of Right Interactor for Tall Plant and Its Application to Inner-Outer Factorization</i> , pp. 1516-1521.	
Kase, Wataru	Osaka Inst. of Tech.
Mutoh, Yasuhiko	Sophia Univ.
15:50-16:10	ThCT5.5
<i>A Simple Observer Based Controller for the Stabilization of Systems with Two Unstable Poles Plus Time Delay</i> , pp. 1522-1527.	
Novella Rodríguez, David Fernando	IPN, ESIME Culhuacan.
del-Muro-Cuellar, Basilio	ESIME-Culhuacán IPN
Sename, Olivier	INPG
16:10-16:30	ThCT5.6
<i>Disturbance Rejection of General Linear Neutral Time Delay Systems, Via Static Delayless Measurement Output Feedback Controller</i> , pp. 1528-1533.	
KOUMBOULIS, FOTIOS	Halkis Inst. of Tech.
Panagiotakis, George	HIT
SKARPETIS, MICHAEL	Halkis Insitute of Tech.
Chamilothoris, George	Department of Automation, Piraeus Inst. of Tech.
16:30-16:50	ThCT5.7
<i>Diagonalisation of Second Order Form Model</i> , pp. 1534-1539.	
Guillet, Jérôme	Univ. de Haute Alsace
Mourllion, Benjamin	Univ. of Haute-Alsace / MIPS Lab.