

CSCS-17
17th INTERNATIONAL CONFERENCE ON
CONTROL SYSTEMS AND COMPUTER
SCIENCE

May 26-29, 2009
POLITEHNICA University of Bucharest

PROGRAMME

17th INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE

CSCS-17 is the 17th biennial conference to be held at *Politehnica University of Bucharest*, Bucharest, Romania, from 26 to 29 May 2009. The technical programme reflects the aims of the Conference. It consists of specialized sections dedicated to major topics in theory and applications of systems science and computer science.

At this edition 3 international workshops are organized in conjunction with CSCS-17 Conference:

- The 4th International Symposium on "Interdisciplinary Approaches in Fractal Analysis"
- MASTS 2009 - The International Workshop on Multi-Agent System Technology and Semantics
- HiPerGRID 2009 - 3rd International Workshop on High Performance Grid Middleware

ORGANIZERS

CSCS-17 International Conference is organized by:

- Romanian Society of Control Engineering and Technical Informatics (SRAIT)
- Control Systems and Computers Faculty, "POLITEHNICA" University of Bucharest
- Romanian Academy – "Information Science and Technology" Section
- IEEE Region 8

CONFERENCE WEB-SITE

<http://cscs17.srait.ro>

e-Mail CSCS17

cscs17@srait.ro

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TIMETABLE

Tuesday, May 26, 2009

14.00 – 18.00 Registration
19.00 Cocktail Party

Wednesday, May 27, 2009

8.30 – 18.00 Registration
9.00 – 9.30 Opening Ceremony (EC105)
9.30 – 10.00 Coffee break
10.00 – 11.30 Conference sessions
11.30 – 12.00 Coffee break
12.00 – 13.30 Conference sessions
13.30 – 15.00 Lunch
15.00 – 16.30 Conference sessions
16.30 – 17.00 Coffee break
17.00 – 18.30 Conference sessions

Thursday, May 28, 2009

8.30 – 18.00 Registration
9.00 – 11.00 Conference sessions
11.00 – 11.30 Coffee break
11.30 – 13.30 Conference sessions
13.30 – 15.00 Lunch
15.00 – 18.00 Industrial session – IT&C (EC105)
19.30 Conference Dinner

Friday, May 29, 2009

8.30 – 11.30 Registration
9.00 – 11.00 Conference sessions
11.00 – 11.30 Coffee break
11.30 – 13.30 Conference sessions
13.30 – 14.00 Round Table and Closing Ceremony

Session A1. INTELLIGENT SYSTEMS (I)

Session Chairs: Catalin BUIU, Silviu DUMITRIU – ROMANIA

Wednesday, May 27, 2009, 10:00 – 11:30, Room EC105

- A1.1** Fuzzy Supervised Partition in Fuzzy Rule Based Classification Systems
Basma Soua, Amel Borgi, Moncef Tagina - TUNISIA
- A1.2** Monoobjective and Multiobjective Genetic Programming in Nonlinear Systems Identification
Alina Patelli, Lavinia Ferariu - ROMANIA
- A1.3** An Artificial Neural Network for Short Time Flow Prediction in the Prahova Hydrographic Basin
Alexandra Matei - ROMANIA
- A1.4** Fuzzy Petri Networks Used for Prognosis in Optimal Analysis of Manufacturing Systems
Eugenia Minca, Otilia Dragomir, Florin Dragomir, N. Olariu – ROMANIA
Daniel Racoceanu - SINGAPORE

Session C1. DISTRIBUTED SYSTEMS (I)

Session Chairs: Valentin CRISTEA, Florin POP - ROMANIA

Wednesday, May 27, 2009, 10.00 – 11.30, Room EC004

- C1.1** Critical Analysis of Middleware Architectures for Large Scale Distributed Systems
Florin Pop, Ciprian Dobre, Alexandru Costan, Mugurel Ionut Andreica, Eliana Tirsa, Corina Stratan, Valentin Cristea – ROMANIA
- C1.2** Towards a Grid Platform for Scientific Workflows Management
Alexandru Costan, Corina Stratan, Eliana Tirsa, Mugurel Ionut Andreica, Valentin Cristea – ROMANIA
- C1.3** A Distributed File System Model for Shared, Dynamic and Aggregated Data
Mircea Bardac, George Milescu, Razvan Rughinis – ROMANIA
- C1.4** A Virtualized Testing Environment for BitTorrent Applications
Razvan Deaconescu, Razvan Rughinis, Nicolae Tapus – ROMANIA

Session A2. DESIGN METHODS (I)

Session Chairs: Sergiu Stelian ILIESCU, Corneliu LAZAR – ROMANIA

Wednesday, May 27, 2009, 10:00 – 11:30, Room EC001

- A2.1** Multi-Scenario Time-Domain Control Design Using a Nonsmooth Approach
Pierre Apkarian, Alberto Simoes, Dominikus Noll - FRANCE
- A2.2** Network-Induced Variable Time Delay Compensation Technique Based on Predictive Control
Constantin - Florin Caruntu, Corneliu Lazar - ROMANIA
- A2.3** Automated Fuzzy Tuning Algorithm for Position Control of a Hydraulic Servosystem
Ayman Aly - EGYPT
- A2.4** Framework for Design of Fuzzy Logic Controllers: Application to Oil Level Control in a Tank
Florin Dragomir, Sergiu Stelian Iliescu, Otilia Elena Dragomir, Eugenia Minca - ROMANIA
- A2.5** Asymptotic Stability Study of an Induction Motor Speed Control System with Extended Gopinath Observer
Olimpiu Stoicuta, Teodor Pana, Cornel Mandrescu, Angela Egri, Vali Sarb, Nadia Stoicuta – ROMANIA

Session A3. IDENTIFICATION AND SIGNAL PROCESSING (I)

Session Chairs: Hassane ALLA – FRANCE, Rodica STRUNGARU – ROMANIA

Wednesday, May 27, 2009, 10:00 – 11:30, Room EC002

- A3.1** System for Image to Sound Conversion with Applicability in the Orientation of the Visually Impaired People
Radu Varbanescu, Maximilian Nicolae, Alexandru Iordan, Stefan Arghir - ROMANIA
- A3.2** Kalman Filtering of Distributed Time Series
Dan Stefanoiu, Janetta Culita - ROMANIA
- A3.3** Fault Detection in Superheater Using Electronic Simulator
Camelia Maican, Gabriela Canureci - ROMANIA
- A3.4** Control Synthesis for Manufacturing Systems Using Non-Safe Petri Nets
Andra - Ioana Vasiliu - FRANCE, Abbas Dideban – IRAN, Hassane Alla – FRANCE
- A3.5** Improved Performance of the Event Synchronous Canceller in Removing Maternal ECG from Abdominal Signals
Dragos Taralunga, Rodica Strungaru, Ilinca Gussi, Camelia Dutescu, M. Ungureanu – ROMANIA, Werner Wolf - GERMANY

Session C2. ALGORITHM DESIGN

Session Chairs: Cristian GIUMALE, Lorina NEGREANU - ROMANIA

Wednesday, May 27, 2009, 10.00 – 11.30, Room EC102

- C2.1** Proof-based Patterns for the Optimality of Greedy Algorithms
Lorina Negreanu, Cristian Giumale, Irina Mocanu – ROMANIA
- C2.2** Integrated System for Patent Application Examination (EXAMBREV)
József Domokos, Tamás Vajda, Sándor Tihamér Brassai, László Dávid – ROMANIA
- C2.3** Semantic Image Analysis
Irina Mocanu, Lorina Negreanu – ROMANIA
- C2.4** Software Development Lifecycles Models Comparison from Practitioner's Approach
Attila Vajda, Tamas Vajda – ROMANIA
- C2.5** Comparing Two Complexity Functions using $g(n)$ – Comparable Complexity Functions
Andrei-Horia Mogos, Adina Magda Florea – ROMANIA
- C2.6** The Computer Assisted Design of the Clearance, Interference and Transition Fits
Aron Poanta, Nicolae Nitescu, Dan Dojcsar, Bogdan Sochirca – ROMANIA

Invited Session. TRAFFIC MONITORING, MEASUREMENTS AND PREDICTION IN LARGE NETWORKS

Session Chairs: Serban PETRESCU, Nicolae CUPCEA – ROMANIA

Wednesday, May 27, 2009, 10.00 – 11.30, Room EF307

- TM.1** A Neural Model for Traffic Prediction in Large Networks
Laurentiu Bucur, Serban Petrescu, Adina Florea - ROMANIA
- TM.2** Applications with Geographic Databases
Alexandru Boicea, Serban Petrescu, Nicolae Cupcea, Florin Radulescu, Dan Ungureanu - ROMANIA
- TM.3** Intertransaction Association Rules Mining: Rule Discovery and Evaluation
Dan Ungureanu, Mircea Petrescu, Alexandru Boicea, Florin Radulescu - ROMANIA
- TM.4** Remote Monitoring and Control of Wireless Sensor Networks
Răzvan Tătăroiu, Dan Tudose - ROMANIA
- TM.5** Extending Packet Altering Capacities in Simulated Large Networks
Andreea Leta, Razvan Deaconescu, Razvan Rughinis - ROMANIA
- TM.6** Intelligent Implementation of a Microcontroller-based Closed-Loop Process Control System
Adrian Surpățeanu, Costin Ștefănescu, Nicolae Cupcea - ROMANIA
- TM.7** Prediction Based Meta-Scheduling for Grid Environments
Florin Pop, Alexandru Costan, Ciprian Dobre, Valentin Cristea - ROMANIA

Session A4. INTELLIGENT SYSTEMS (II)

Session Chairs: Ioan DUMITRACHE, Nicolae CONSTANTIN – ROMANIA

Wednesday, May 27, 2009, 12:00 – 13:30, Room EC105

- A4.1** Fuzzy Control Strategies for Magnetorheological Dampers
Ioan Dumitrache, Ilie Catana, Valentin Panduru, Monica Patrascu - ROMANIA
- A4.2** A New Locally Learning Technique for Functions Approximation
Nicolae Constantin, Silviu Dumitriu - ROMANIA
- A4.3** Data Mining for Advanced Business Intelligence Solution
Aref Mehanna, Marius Guran – ROMANIA
Bilal Hussein - FRANCE
- A4.4** Advanced Database Connection-Integration Module with SQL Queries Optimization using Temporary Tables and Neural Networks
Vasile Cornita, Rodica Strungaru, Sever Pasca - ROMANIA

Session C3. NETWORKS

Session Chairs: Nicolae TAPUS, Razvan RUGHINIS – ROMANIA

Wednesday, May 27, 2009, 12.00 – 13.30, Room EC004

- C3.1** Analysis of a QoS-Based Traffic Engineering Solution in GMPLS Grid Networks
Razvan Rughinis, Razvan Deaconescu – ROMANIA
- C3.2** Optimizations to Network Traffic Analysis using Netpy
Catalin Leordeanu, Alexei Dodon, Bogdan Mihulecea, Cristian Estan, Valentin Cristea – ROMANIA
- C3.3** Load Balancing in Modern Multi-Core Mobile Communication Systems
Dacian Tudor, Georgiana Macariu, Calin Jebelean, Vladimir Cretu – ROMANIA
- C3.4** A Distributed Service for on Demand End to End Optical Circuits
Ramiro Voicu, Iosif Legrand, Harvey Newman, Nicolae Tapus, Ciprian Dobre – ROMANIA
- C3.5** Enhancing Security of Bluetooth Communication Through Twofish Encryption
Iulian O. Maga – GERMANY
- C3.6** Offline Algorithms for Several Network Design, Clustering and QoS Optimization Problems
Mugurel Ionut Andreica, Eliana-Dina Tirsa, Alexandru Costan, Nicolae Tapus – ROMANIA
- C3.7** Base Selection and Transmission Synchronization Algorithm in Quantum Cryptography
Catalin Anghel, George Coman – ROMANIA

Session A5. DESIGN METHODS (II)

Session Chairs: Silviu DUMITRIU, Razvan MAGUREANU – ROMANIA

Wednesday, May 27, 2009, 12:00 – 13:30, Room EC001

- A5.1** PD-like Fuzzy Logic Controller with Look-up Decision Tables and Fuzzy Control Gain
Lucian Mastacan, Catalin Constantin Dosoftci, Iosif Olah - ROMANIA
- A5.2** Transient Time Evaluation of the Dynamic Gas Flow Process in the Context of Implementing a Model Predictive Control
Constantin-Dorin Bichis - ROMANIA
- A5.3** Impact of the Control Algorithms on the Active Filters Performances
Ana-Maria Dumitrescu, Ana Iacob, Valeriu Bostan, Doru Creanga, Mihaela Albu, Razvan Magureanu - ROMANIA
- A5.4** Modelling and Robust Control of Modern Diesel Engine for Railway Traction
Dan Bonta, Eva Dulf, Clement Festila - ROMANIA
- A5.5** Controller Design Technique Based on Synchronous Generator Multimodel Approach
Silviu Dumitriu, Constantin Nicolae - ROMANIA

Session A6. IDENTIFICATION AND SIGNAL PROCESSING (II)

Session Chairs: Mihai IORDACHE, Corneliu LAZAR – ROMANIA

Wednesday, May 27, 2009, 12:00 – 13:30, Room EC002

- A6.1** Non-linear Multiscale Principal Component Analysis for Fault Detection. Application to Pollution Parameters in the Region of Annaba-Algeria
Ouassim Bara, M.Tarek Khadir - ALGERIA
- A6.2** EEG Processing in Motor Imagery
Mihaela Ungureanu, Dragos D. Taralunga, Rodica Strungaru - ROMANIA
- A6.3** Visual Feature Tracking using Kalman Filter
Adrian Burlacu, Corneliu Lazar - ROMANIA
- A6.4** Practical Approach of Symbolic Analysis of Large-Scale Analog Circuits in Transient Behavior
Mihai Iordache, Lucia Dumitriu, Lucian Mandache - ROMANIA
- A6.5** Fault Detection Using Residual Vectors in a Multi-Input Multi-Output System
Gabriela Canureci - ROMANIA

Session C4. SOFTWARE ENGINEERING

Session Chairs: Florin RADULESCU - ROMANIA, Alexandru SOCEANU - GERMANY

Wednesday, May 27, 2009, 12.00 – 13.30, Room EC102

- C4.1** An Emulator Platform for Teledialysis Research
Florica Moldoveanu, Alin Moldoveanu – ROMANIA
Alexandru Soceanu, Costin Boldisor – GERMANY
- C4.2** Using Fastmap for Distance Estimation in Web Search Engines
Florin Radulescu, Alexandru Boicea, Dan Ungureanu – ROMANIA
- C4.3** Analysis of Trends in Development of Software Intensive Systems
Mariana Mocanu, Vasile Lungu – ROMANIA
- C4.4** Healthcare Information System Based on OpenEHR and EN13606
Dragos George Sauciuc, Stefan Dehelean, Ovidiu Nicolae Iosif, Liviu Miclea, Ovidiu Stan, Adrian Perse, I. Paun – ROMANIA
- C4.5** Planning a Project under Breakdown Events
Diana-Mara Anghelina – ROMANIA
- C4.6** A Case Study about Information Security Management Systems
Irina Rancea, Valentin Sgarciu, Daniel Dichiu – ROMANIA

Invited Session. INDUSTRIAL PROCESS CONTROL

Session Chairs: Dumitru POPESCU - ROMANIA, Pierre BORNE – FRANCE

Wednesday, May 27, 2009, 15:00 – 16:30, Room EC105

- Ind PC.1** Whitney Forms for an Infinite Dimensional Port-Hamiltonian System Approximation
Catalin Chera, Dumitru Popescu – ROMANIA
A Nakrachi, Genevieve Dauphin-Tanguy – FRANCE
- Ind PC.2** Modelling and Control of Wind Turbines
Andreea Pinte, Dumitru Popescu – ROMANIA
Pierre Borne - FRANCE
- Ind PC.3** Control for Nonlinear Processes with Hysteresis
Ciprian Lupu, Andreea Udrea, I Bechir, C. Sandu – ROMANIA
- Ind PC.4** Robust Control and Optimization for Thermo-Energetic Installations
Tudor Bogdan Airimitoae, Catalin Dimon – ROMANIA
- Ind PC.5** Security Logistics in National Power Grid
Mihai Boagiu – ROMANIA

Session C5. DISTRIBUTED SYSTEMS (II)

Session Chairs: Gabriel NEAGU, Ciprian DOBRE - ROMANIA

Wednesday, May 27, 2009, 15.00 – 16.30, Room EC004

- C5.1** Breaking the Teraflop Barrier with the HPC Challenge and HPL Benchmarks on the NCIT Cluster
Emil Slusanschi, Alexandru Herisanu, Nicolae Tapus – ROMANIA
- C5.2** Help Desk Structure for the Support Service of a Virtual Organization Supported by Multiple Grid Infrastructures
Alexandru Stanciu, Gabriel Neagu – ROMANIA
- C5.3** Robust Failure Detection Architecture for Large Scale Distributed Systems
Ciprian Dobre, Florin Pop, Alexandru Costan, Mugurel Andreica, Valentin Cristea – ROMANIA
- C5.4** Towards a Centralized Scheduling Framework for Communication Flows in Distributed Systems
Mugurel Ionut Andreica, Eliana-Dina Tirsa, Nicolae Tapus, Florin Pop, Ciprian Mihai Dobre – ROMANIA

Session C6. COMPUTER VISION (I)

Session Chairs: Mircea IVANESCU, Radu VARBANESCU - ROMANIA

Wednesday, May 27, 2009, 15.00 – 16.30, Room EC001

- C6.1** Real versus Virtual Experimental Results for Visual Servoing Applications
Razvan Tudor Tanasie, Mircea Ivanescu, Dorian Cojocaru – ROMANIA
- C6.2** Watershed Segmentation: Oversegmentation Reduction by Filtering Image
Adelina-Iulia Sarpe – ROMANIA
- C6.3** Image Features Detection and Analysis for Visual Servoing Applications
Cosmin Copot, Corneliu Lazar, Adrian Burlacu – ROMANIA
- C6.4** Web-based Business Intelligence
Cornelia Oprean, Serban Ghenea – ROMANIA

Session A7. SYSTEM THEORY (I)

Session Chairs: Bogdan DUMITRESCU, Adrian-Mihail STOICA – ROMANIA

Wednesday, May 27, 2009, 15:00 – 16:30, Room EC002

- A7.1** SeDuMi Pol - a Preprocessor for Optimization with Positive Polynomials
Bogdan Sicleru, Bogdan Dumitrescu – ROMANIA
- A7.2** Effect of Machine Modelling on Power System Small Signal Stability
Hasan Alkhatib, Jean Duveau - FRANCE
- A7.3** Truncation Errors in Numerical Simulation through the Matrix of Partial Derivatives of the State Vector ($M_{\text{pd}x}$) and Taylor Series
Tiberiu Coloși, Mihail Abrudean, Mihaela Ligia Ungureșan, Eva-Henrietta Dulf, Livia Buzdugan - ROMANIA
Iulian O. Maga - GERMANY
- A7.4** An H-infinity Filtering Problem for Discrete-Time Systems with State-Dependent Noise
Adrian-Mihail Stoica – ROMANIA

Session C7. DISTRIBUTED APPLICATIONS

Session Chairs: Emil SLUSHANSCHI - ROMANIA, Stefan BRUDA - CANADA

Wednesday, May 27, 2009, 15.00 – 16.30, Room EC102

- C7.1** Communicating Visibly Pushdown Processes
Stefan Bruda, Tawhid Bin Waez – CANADA
- C7.2** OpenMP Parallelization of the C++ SUMO Traffic Simulator
Sorin Stelian, Emil Slusanschi – ROMANIA

C7.3 Online Credit Card Transactions System

Adriana Olteanu, Dorin Carstoiu, Alexandra Cernian, Miha Olteanu – ROMANIA

C7.4 Grid Enabling QC-lib Quantum Computer Simulator Library

Simona Caraiman, Vasile Manta – ROMANIA

Session A8. MODELLING AND SIMULATION

Session Chairs: Nicolae PARASCHIV, Emil POP – ROMANIA

Wednesday, May 27, 2009, 17:00 – 18:30, Room EC105

A8.1 Modelling of a Solenoid Valve Actuator for Automotive Control Systems

Daniel - Ionut Patrascu, Andreea - Elena Balau, Constantin - Florin Caruntu, Corneliu Lazar, Mihaela - Hanako Matcovschi, Octavian Pastravanu - ROMANIA

A8.2 Modeling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking

Cristina Popa, Nicolae Paraschiv, Cristian Patrascioiu - ROMANIA

A8.3 Modeling, Simulation and Design of a Software-Oriented Small Power Renewable Energy System

Monica Leba, Emil Pop, Florin Badea, Alin Badea - ROMANIA

A8.4 Outlet Gas Temperature Control for Acetylene Hydrogenation Reactor

Roxana Both, Eva Henrietta Dulf, Vasile Mircea Cristea - ROMANIA

Session C8. EMBEDDED SYSTEMS

Session Chairs: Nicolae TAPUS, Laurentiu DUCA - ROMANIA

Wednesday, May 27, 2009, 17.00 – 18.30, Room EC004

C8.1 Loop Induction and Its Applications in Optimizing Compiler for Next Generation Communication Processors

Anca Gabriela Burlacu-Zane, Bogdan Ditu, Nicolae Tapus – ROMANIA

C8.2 A Framework for Applying Unimodular Transformations in a Parallelizing Compiler

Bogdan Ditu, Anca Burlacu-Zane, Nicolae Tapus – ROMANIA

C8.3 Issues in Designing Cross-Domain Reference Software Architecture for Embedded Systems

Liliana Dobrica, Traian Ionescu – ROMANIA

C8.4 SBC System Implemented on FPGA Technology

Laurentiu-Cristian Duca – ROMANIA

Session C9. COMPUTER VISION (II)

Session Chairs: Florica MOLDOVEANU, Alin MOLDOVEANU – ROMANIA

Wednesday, May 27, 2009, 17.00 – 18.30, Room EC001

C9.1 Ray Tracing as GPGPU

Victor Asavei, Florica Moldoveanu, Alin Moldoveanu – ROMANIA

C9.2 Efficient and Robust Method for Global Binocular Stereo Matching Based on Belief Propagation

Intae Na, Hong Jeong – KOREA

C9.3 Accuracy and Speed for Device Color Spaces Conversions

Octavian Georgescu – ROMANIA

C9.4 Reconstruction of Three-Dimensional Objects from Parallel Planar Sections – Analysis, Solutions and Implementation of Double Branching Problem

Octavian Georgescu, Catalin Tudose, Carmen Odubășteanu, Călin Munteanu – ROMANIA

Session A9. SYSTEM THEORY (II)

Session Chairs: Mihail ABRUDEAN, Octavian PASTRAVANU – ROMANIA

Wednesday, May 27, 2009, 17:00 – 18:30, Room EC002

- A9.1** Theoretical Preliminaries Associated to Analogical Modelling and Numerical Simulation of the Adsorption Process for Poly-phenothiazine Formaldehyde on Graphite Electrodes
Mihaela Ligia Ungureșan, Delia Maria Gligor, Francisc Dulf, Tiberiu Coloși, Mihail Abrudean - ROMANIA
Iulian O. Maga - GERMANY
- A9.2** Componentwise Detectability and Componentwise Observers
Octavian Pastravanu, Mihaela Matcovschi, Mihail Voicu - ROMANIA
- A9.3** An Optimal Macromodeling Technique
Lucian Mandache, Mihai Iordache, Lucia Dumitriu - ROMANIA
- A9.4** Wavelet Transform for Self-Similar Structure of Long Range Dependent Processes in Seismic Waves
Dragan Stankovski, Svetla Radeva - BULGARIA

Session A10. NONLINEAR CONTROL SYSTEMS

Session Chairs: Clement FESTILA, Ciprian LUPU – ROMANIA

Wednesday, May 27, 2009, 17:00 – 18:30, Room EC102

- A10.1** Voltage Control of Self Excited Induction Generator using Look-up Table
Ors Marton - ROMANIA
- A10.2** Nonlinear Robust Control of the ¹³C Cryogenic Isotope Separation Column
Cristina-Ioana Pop, Eva-Henrietta Dulf, Clement Festila - ROMANIA
- A10.3** Adaptive Control for Nonlinear Processes
Ciprian Lupu, Andreea Udrea, Ilknur Bechir, Ciprian Sandu - ROMANIA
- A10.4** The Influence of Control Signal Saturation to the Variable Structure System
Alexander Lebedev - RUSSIA

Session A11. CONTROL APPLICATIONS (I)

Session Chairs: Dorin CARSTOIU, Sergiu CARAMAN – ROMANIA

Thursday, May 28, 2009, 9:00 – 11:00, Room EC004

- A11.1** Automatic Evaluation of Biomedical Data within a Gait Analysis Lab
Dorin Carstoiu, Alexandra Cernian, Adriana Olteanu – ROMANIA
- A11.2** Control System for Efficient Electrical and Thermal Energy Production
Ion Miciu, Florin Hartescu – ROMANIA
- A11.3** Control System of an Intensive Aquaculture Process in Recycled Regime
Sergiu Caraman, Tiberiu Nicolau, Marian Barbu, Emil Ceanga, Nicu Roman – ROMANIA
- A11.4** Adaptive Control in Modeling Validation of Chemical Reactor
Messaouda Azzouzi – ALGERIA
- A11.5** Hierarchical Control System Design for a Propylene-Propane Separation Column
Marian Popescu – ROMANIA

Session C10. ARCHITECTURE

Session Chairs: Adrian PETRESCU, Nicolae CUPCEA - ROMANIA

Thursday, May 28, 2009, 9.00 – 11.00, Room EC002

- C10.1** A Generic FPGA based Associative Processor
Iacob Petrescu, Dragos Popescu, Adrian Petrescu – ROMANIA

- C10.2** Power-Aware and Optimal Depth Mapping of LUT based FPGA Circuits
Ion Bucur, Costin Stefanescu, Adrian Surpateanu, Nicolae Cupcea – ROMANIA
- C10.3** A Low Power Approach to Hardware Design of Wireless Sensors
Mihnea Rosu-Hamzescu, Adrian-Cristian Petrescu – ROMANIA
- C10.4** Integrating Security Concerns in Embedded Software Architecture Development
Liliana Dobrica, Radu Pietraru – ROMANIA
- C10.5** Block Cipher Implementation using Reconfigurable Hardware
Dragos Popescu, Adrian-Cristian Petrescu – ROMANIA

Session A12. CONTROL APPLICATIONS (II)

Session Chairs: Clement FESTILA, Matei VINATORU – ROMANIA

Thursday, May 28, 2009, 11:30 – 13:30, Room EC004

- A12.1** Robust PI Fractional Controller. Application to 13C Separation Column
Clement Festila, Eva-Henrietta Dulf, Cristina Ioana Pop - ROMANIA
- A12.2** Power Generation Unit Models for Load Frequency Control Simulator
Ioana Fagarasan, Sergiu Iliescu, Calin Soare, Doina Ilisiu, Florin Biliboaca, Nicoleta Arghira – ROMANIA
- A12.3** Adaptive Control Systems in Conductive Heat Transfer Processes
Matei Vinatoru – ROMANIA
Corneliu Vinatoru – USA
- A12.4** Medium Optimization Approach on Petrochemical Plant
Messaouda Azzouzi - ALGERIA
- A12.5** Simulator of a Constant Volume Air Handling Unit
Tudor Buzdugan, Daniel Moga, Ioan Nascu - ROMANIA

Session C11. COGNITIVE SYSTEMS

Session Chairs: Ioan DUMITRACHE, Stefan TRAUSAN-MATU – ROMANIA

Thursday, May 28, 2009, 11.30 – 13.30, Room EC002

- C11.1** Argumenting Client-Producer Dialogue for Query Matching
Octavian Pop, Ioan Alfred Letia – ROMANIA
- C11.2** Bridging Ontologies and Folksonomies using DBpedia
Vlad Posea, Stefan Trausan-Matu – ROMANIA
- C11.3** Cognizant Objects and Cognoscenti Agents
Ion Gheorghisor – ROMANIA
- C11.4** A Review of Current and Perspective Applications using Reinforcement Learning Algorithms
Alexandru Gherega, Monica Radulescu, Radu Dogaru, Felicia Ionescu – ROMANIA
- C11.4** Time-Dependent Story Interpretation
Cristian Giumale, Lorina Negreanu – ROMANIA

HiPerGRID - International Workshop on High Performance Grid Middleware (I)

Session Chairs: Valentin CRISTEA – ROMANIA

Thursday, May 28, 2009, 9.00 – 11.00, Room EC105

- G.1** Models and Techniques for Ensuring Reliability, Safety, Availability and Security of Large Scale Distributed Systems
Valentin Cristea, Ciprian Dobre, Florin Pop, Corina Stratan, Alexandru Costan, Catalin Leordeanu, Eliana-Dina Tirsa - ROMANIA

- G.2** An Architectural Model for a Grid based Workflow Management Platform in Scientific Applications
Alexandru Costan, Florin Pop, Corina Stratan, Ciprian Dobre, Catalin Leordeanu, Valentin Cristea - ROMANIA
- G.3** GiSHEO: on Demand Grid Service based Platform for EO Data Processing
Marc Frincu, Silviu Panica, Marian Neagul, Dana Petcu - ROMANIA
- G.4** Process Description Graph Composition by gProcess Platform
Victor Bacu, Teodor Stefanut, Denisa Rodila, Dorian Gorgan - ROMANIA
- G.5** eLearning Lesson Development and Execution Based on gProcess Workflow Description Platform and eGLE E-learning Platform
Teodor Stefanut, Victor Bacu, Dorian Gorgan - ROMANIA
- G.6** Related Task Scheduling Research based on Virtual Clusters and Partition of Task
Hong Liang, Changzhen Xing, Xuedong Qi, Chang Liu - CHINA

HiPerGRID - International Workshop on High Performance Grid Middleware (II)

Session Chairs: Nicolae TAPUS – ROMANIA

Thursday, May 28, 2009, 11.30 – 13.30, Room EC105

- G.1** Data Distribution Optimization using Offline Algorithms and a Peer-to-Peer Small Diameter Tree Architecture with Bounded Node Degrees
Mugurel Ionut Andreica, Eliana-Dina Tirsa, Nicolae Tapus – ROMANIA
- G.2** DistHash: a Robust P2P DHT-based System for Replicated Objects
Ciprian Dobre, Florin Pop, Valentin Cristea – ROMANIA
- G.3** Romania Grid Database
Felix Farcas, Izabella Szabo, Alexandra Bulinschi, Liviu Miclea, Adrian Bot - ROMANIA
- G.4** Eris Platform to Integrate Image Processing Facilities
Mircea-Florin Vaida, Valeriu Todica – ROMANIA
- G.5** Evaluation and Simulation on the Performance of DHTs Required by P2PSIP
Zengming Tian, Xiangming Wen, Yong Sun, Wei Zheng, Yinbo Cheng – CHINA
- G.6** A GA-TS based Approach for Scheduling Data-intensive Applications in Data Grids
Kenli Li, Dan Liu, Zhuo Tang – CHINA

MASTS 2009 - The International Workshop on Multi-Agent Systems Technology and Semantics (I)

Session Chairs: Amal El Fallah SEGHROUCHNI – FRANCE, Adina Magda FLOREA - ROMANIA

Thursday, May 28, 2009, 9.00 – 11.00, Room EC001

- M.1** A Planning Component for CLAIM Agents
Muhammad Adnan Hashmi, Université Pierre et Marie Curie & CNRS, France
- M.2** Agent-Based System for Chemical Incident Response: Initial Design and Sample Implementation
Mihnea Scafes, Costin Badica, University of Craiova, Romania
- M.3** Efficient Recomputation of Social Welfare in Open MAS using Graphical Utility Models
Nicolas Stefanovitch, Université Pierre et Marie Curie, France
- M.4** Agent-based Modeling of a Dam Monitoring System
Mihaela Oprea, Alexandra Matei, Elia Petre, University Petroleum-Gas of Ploiesti, Romania
- M.5** Emergence in Cognitive Multi-Agent Systems
Andrei Olaru, Adina Magda Florea, University Politehnica of Bucharest, Romania

MASTS 2009 - The International Workshop on Multi-Agent Systems Technology and Semantics (II)

Session Chairs: Viorel NEGRU, Adina Magda FLOREA - ROMANIA

Thursday, May 28, 2009, 11.30 – 13.30, Room EC001

- M.1** Experiments on Commitment, Reconsideration, and Learning within AgentSpeak (L)
Alejandro Guerra-Hernández, José Martín Castro-Manzano, Gustavo Ortiz-Hernández, Universidad Veracruzana, Mexico
- M.2** Approximating Mathematical Semantic Web Services Using Approximation Formulas and Numerical Methods
Andrei-Horia Mogos, Mugurel Ionut Andreica, University Politehnica of Bucharest, Romania
- M.3** Mapping BPMN to AUML: Towards an Automatic Process
Andreea Urzica, Claudiu Tanase, University Politehnica of Bucharest, Romania
- M.4** Semantic Networks for Modeling Supply Chain Business Flow
Ion Smeureanu, Andreea Diosteanu, Adriana (Reveiu) Dardala, Academy of Economic Studies, Romania
- M.5** Considerations on the Requirements for WFMS
Alexandru Cicortas, Victoria Jordan, West University of Timisoara, Romania

MASTS 2009 - The International Workshop on Multi-Agent Systems Technology and Semantics

Round table: Agent technology and semantics in ambient intelligence

Moderators:

Amal El Fallah Seghrouchni – Université Pierre et Marie Curie, France

Adina Magda Florea – University Politehnica of Bucharest, Romania

Thursday, May 28, 2009, 18.00 – 19.00, Room EC001

Session IAFA1. COMPLEXITY MODELING

Session Chairs: Przemyslaw WALISZEWSKI - GERMANY, Mircea RUSU - ROMANIA

Thursday, May 28, 2009, 9.00 – 11.00, Room EC102

- IAFA 1.1** Couplings, Fokker-Planck Equation and Fractal Dynamics of Growth
Przemyslaw Waliszewski - GERMANY
- IAFA 1.2** Study of Some Numerical Simulations of Ageing Processes
Dan Alexandru Iordache – ROMANIA, Pier Paolo Delsanto – ITALIA Viorica Iordache – ROMANIA
- IAFA 1.3** Testing the Fractal Behaviour of Internet Traffic
Radu Dobrescu, Bogdan Droasca, Daniela Hossu, Roland Ulrich - ROMANIA
- IAFA 1.4** A Probabilistic Method Based on Uncertainty Profiles to Classify and Predict Emergence in Cellular Automata
Radu Dogaru - ROMANIA
- IAFA 1.5** Origin of Order in Self-organised Systems
Virginia Ecaterina Oltean, Radu Dobrescu, Mircea Rusu - ROMANIA
- IAFA 1.6** The Romanian Blogosphere as a Social Fractal
Alexandru Catalin Cosoi, Bogdan Dumitru, Valentin Sgarciu, Madalin Stefan Vlad, Maria Corduneanu - ROMANIA

Session IAFA2. FRACTAL APPLICATIONS IN MEDICINE AND BIOLOGY

Session Chairs: Herbert JELINEK - AUSTRALIA, Catalin VASILESCU -ROMANIA

Thursday, May 28, 2009, 11.30 – 13.30, Room EC102

- IAFA 2.1** Heart Rate Variability Analysis as an Indicator of Heart Health Following a Rural Cardiac Rehabilitation Program
Thomas Collins, Megan Smith, Herbert Jelinek - AUSTRALIA
- IAFA 2.2** Endotoxine Tolerance Based Model of Inflammatory Processes Dynamics
Paul. Flondor, Mircea Olteanu, Catalin Vasilescu – ROMANIA
- IAFA 2.3** Fractal Analysis of the Alpha Retinal Ganglion Cells in Various Species
Herbert Jelinek - AUSTRALIA, Nebojsa Milosevic, Dusan Ristanovic - SERBIA
- IAFA 2.4** The Morphology and Cell Classification in the Human Dentate Nucleus: a Fractal Analysis Study
Nebojsa Milosevic, Dusan Ristanovic – SERBIA, Herbert Jelinek - AUSTRALIA, Radmila Gudovic, Dusica Maric – SERBIA
- IAFA 2.5** Surface Angiogenesis Effects on Tumor Evolution: Stationary State Analysis of a One-Component Model
D. Grecu, A. S. Carstea, A. T. Grecu, Anca Visinescu - ROMANIA
- IAFA 2.6** On a Mathematical Model of Innate Immunity
Carmina Georgescu - ROMANIA

Session IAFA3. COMPLEX MODELS IN APPLIED SCIENCES

Session Chairs: Florin IONESCU – GERMANY, Zoltan NEDA - ROMANIA

Thursday, May 28, 2009, 15.00 – 16.30, Room EC102

- IAFA 3.1** Synthesis of the Combined Fuzzy Rules for Medical Applications with using Tools of Exploration Analysis
N.A. Korenevskii - RUSIA, F.Ionescu - GERMANY, A.A.Kuzmin - RUSIA, R.T. Al-Kasasbeh - IORDANIA
- IAFA 3.2** Spring-Block Models for Complex Phenomena
Z. Néda, F. Járαι-Szabo, E. Káptalan – ROMANIA
- IAFA 3.3** Fractal Geometry Dependence of Ultrafast Exciton Percolation in Chromophore Aggregates
Dmitri Voronine – GERMANY, Michael Rodgers – S.U.A.
- IAFA 3.4** Fractal Interpretation of Blood Vessel Formation in Polymer Implants
Radu Dobrescu, Traian Ionescu, Viorel-Puiu Paun, Dan Popescu - ROMANIA
- IAFA 3.5** On Discrete Event Abstractions and Control Law Implementation in a Class of Piecewise-Linear Systems – a Case Study
Virginia Ecaterina Oltean, Radu Dobrescu, Loretta Ichim - ROMANIA
- IAFA 3.6** Models for Determining the Quality of an Electrical Equipment
Ursianu Victor, Ursianu Radu, Ursianu Emiliana – ROMANIA

Session IAFA4. USING FRACTALS IN IMAGE PROCESSING

Session Chairs: Rasha Abu Eid – MAREA BRITANIE, Dan POPESCU - ROMANIA

Thursday, May 28, 2009, 17.00 – 18.30, Room EC102

IAFA 4.1 Fractals in the Estimation of Tissue Complexity: A Review

Rasha Abu Eid, Gabriel Landini - Marea Britanie

IAFA 4.2 Fractal Analysis of Dental Radiographic Images in the Irregular Regions of Interest

Edward Oczeretko, Marta Borowska, Andrzej Borusiewicz, Janusz Szarmach, Izabela Szarmach – ROMANIA

IAFA 4.3 Fractal Analysis of Electronographic Images in Anthropology and Medicine

Vasilica Voinea, Cătălina Popescu-Mina, Cristina Coculescu, Daniela Alexandra Crişan – ROMANIA

IAFA 4.4 A Comparison Between Some Wavelet Based Compression Techniques, Applied to YCoCg Images

Stefanoiu Dan, Schiopu Ionut, Petrescu Catalin – ROMANIA

IAFA 4.5 Image Watermarking Schemes based on SVD-DCT and SVD-DWT – Robust but Ambiguous

Dorin Constantin Nedea, Valentin Sgarciu – ROMANIA

IAFA 4.6 Enhancing Image Classification of Dermatological Images

Stefan Mocanu, Dan Popescu, Ana Maria Forsea – ROMANIA, Alaba Olumuyiwa - NIGERIA

Session A13. ROBOTICS (I)

Session Chairs: Mircea IVANESCU – ROMANIA, Andreas PACZYŃSKI – GERMANY

Friday, May 29, 2009, 9:00 – 11:00, Room EC004

A13.1 Dynamic Modelling using SimMechanics on the Example of an Industrial Robot

Marek Stania – POLAND

Ralf Stetter – GERMANY

A13.2 Load Control by Coiling for a Hyperredundant Arm

Mircea Ivanescu, Mihaela Florescu - ROMANIA

A13.3 Control Software Optimization for a Multi-Clutch System in a Hybrid All Wheel Drive Vehicle

Roberta Cavalcanti, Germano Sandoni – AUSTRIA

Roberto Zanasi – ITALY

A13.4 A Study of the Kinematics of a Mobile Robot

Paweł Ziemiak – POLAND

Ralf Stetter, Andreas Paczyński – GERMANY

Session A16. DECISION SUPPORT SYSTEMS

Session Chairs: Florin Gheorghe FILIP, Ioana MIHU – ROMANIA

Friday, May 29, 2009, 9:00 – 11:00, Room EC001

A16.1 An Agent-Based Approach for Medical Diagnosis

Ioan Dumitrache, Ioana Mihu, Monica Voinescu - ROMANIA

A16.2 Hybrid Solution for Modelling and Optimization of the Process in the Laboratory Activity Management

Mihaela-Adina Mateescu, Florin Gheorghe Filip, Liviu Serbanescu - ROMANIA

A16.3 Advanced Techniques for Monitoring & Diagnosis of IT Infrastructure

Ioana Mihu, Octavian Arsene - ROMANIA

A16.4 Using Collaborative Platforms for Decision Support

Mihai Bizoi, Ana Maria Suduc, Florin Gheorghe Filip - ROMANIA

A16.5 Multi-Model Fuzzy Controller for Lateral Guidance of Vehicles

Jin Zhao, Abdelkader El Kamel - FRANCE

A16.6 Generalized Riccati Theory for Linear Time Delay Systems – a Delay Independent Approach

Alexandru Serbanescu - NETHERLANDS

Invited Session. ENVIRONMENT PROCESS CONTROL (I)

Session Chairs: Costica NITU – ROMANIA , Alexandru DUMITRASCU - ROMANIA

Friday, May 29, 2009, 9:00 – 11:00, Room EC002

ECo.1 Flexible Information Technology for the Diagnostics of the Ocean-Atmosphere System Instability

Vladimir F. Krapivin, Vladimir Kotelnikov – RUSSIA

Costica Nitu, Leonard Iurescu – ROMANIA

ECo.2 Fuzzy Expert System Designed for Temperature and Humidity Control

Anda Sabena Dobrescu, Alexandru Dumitrascu – ROMANIA

ECo.3 Spatial Information Access - a Challenge in Ecology

Oana Cristina Iancovici, Alin Mihaita Deneanu – ROMANIA

ECo.4 Intelligent Displays

Mircea-Bogdan Gagniuc – ROMANIA

ECo.5 Reducing Impact over Ecosystems by Power Optimization at System-Level Design

Dan Olinici – ROMANIA

ECo.6 The Ecological Reconstruction Alternative by Blueberry Culture of the Acid Mine Soils

Catalin Badescu, Cristina Badescu, Elena Delian, Liliana Badulescu, Alexandra Badescu, Anca Rovena Lacatusu, Nicolae Craciun - ROMANIA

Session A15. ROBOTICS (II)

Session Chairs: Simona CARAMIHAI, Daniela Cristina CERNEGA – ROMANIA

Friday, May 29, 2009, 11:30 – 13:30, Room EC004

A15.1 Hybrid Visual Control of Mobile Robots Team

Ionut Dinulescu, Mircea Nitulescu, Alice Predescu - ROMANIA

A15.2 Assistive Robotics for Healthcare and Rehabilitation

Adriana Tapus - USA

A15.3 Developing Strategies for the Transportation of Different Objects by a Group of Mobile Robots

Alexandru Georgescu - ROMANIA

A15.4 Modeling and Performance Evaluation for Trajectory Tracking Control of a Wheeled Mobile Robot

Razvan Solea, Daniela Cristina Cernega - ROMANIA

Session A14. DATA ACQUISITION SYSTEMS

Session Chairs: Dan POPESCU, Mihaela ALBU – ROMANIA

Friday, May 29, 2009, 11:30 – 13:30, Room EC001

A14.1 Processing and Communication Functions Implementation of a Mobile Sensor Node for WSN Applications

Nicolae Maximilian, Dan Popescu, Radu Dobrescu, Stefan Mocanu - ROMANIA

A14.2 Events Acquisition and Sorting Techniques using Virtual Instrumentation

Nicolae Patrascioiu, Adrian Marius Tomus - ROMANIA

- A14.3** Interconnection of Mobile Sensor Network Nodes for Allert System Application
Dan Popescu, Radu Varbanescu, Alexandru Iordan, Stefan Arghir - ROMANIA
- A14.4** Embedded Life-Saving Systems - Interfacing Carbon Monoxide Sensors to Microcontrollers
Vasile Buruiana - ROMANIA
- A14.5** Real Time Data Acquisition and Distribute Module
Dan Popescu, Radu Dobrescu, Constantin Vasilescu, Nicolae Maximilian - ROMANIA
- A14.6** Communication Among Measurement and Control Units in a DC Microgrid
Mihaela Albu, Alexandru Nechifor, Mihail Popa, Mihai Marin, Catalin Caciuleanu – ROMANIA
Elias Kyriakides – Cyprus

Invited Session. ENVIRONMENT PROCESS CONTROL (II)

Session Chairs: Costica NITU – ROMANIA, Vladimir F. KRAPIVIN – RUSSIA

Friday, May 29, 2009, 11:30 – 13:30, Room EC002

ECo.1 Resources and Global Ecodynamics

Vladimir F. Krapivin, V.Yu. Soldatov – RUSSIA
Costica Nitu, Alexandru Dumitrascu – ROMANIA

ECo.2 Intelligent Control and Monitoring Systems for Greenhouse Environment

Alexandru Dumitrascu, Dan Stefanoiu, Anda Sabena Dobrescu – ROMANIA

ECo.3 Security Profiling on Industrial Control and Managed Systems

Florin Catalin Tiucra-Popa – ROMANIA

ECo.4 Security Methods and Techniques in Data Communication for Power Systems

Daniel Sercaianu – ROMANIA

ECo.5 Aspects as Regard as the Temperature Incresing Tendency in the North of Arges District

Catalin Badescu, Cristina Badescu, Valeria Petre, Elena Delian, Alexandra Badescu – ROMANIA

ECo.6 Intelligent Tehnique for Monitoring and Modeling Water Quality

Pruteanu Eusebiu, Dascalita Ioan – ROMANIA

GENERAL INFORMATION

LOCATION

CSCS-17 will be held at the Faculty of Automatic Control, *Politehnica* University of Bucharest, 313 Spl. Independentei, Bucharest, Romania. The formal Opening Ceremony will be organized in the EC105 room, Automatic Control and Computers Faculty.

ACCESS TO CONFERENCE SITE

The Conference site can be accessed by the following means of transportation:

By underground - The Conference site is at 5 minutes walk from
POLITEHNICA underground station

By bus - Nos. 136, 236, 336 (UPB Stop)

By trolley bus - Nos. 61, 62 (UPB Stop)

CAR PARKING

There are free and ample parking facilities in the immediate vicinity of the Conference site.

MAIL

Correspondence in connection to the CSCS-17 Conference should be addressed as it follows:

CSCS-17 - SRAIT
"POLITEHNICA" University of Bucharest
Faculty of Control and Computers
313 Spl. Independentei., Sector 6
77206 Bucharest
ROMANIA
PHONE + (40) 21 402 91 67
FAX + (40) 21 402 95 87
WEB <http://cscs17.srait.ro>
e-mail cscs17@srait.ro

CONFERENCE LITERATURE

The text of the contributions included in the final programme will be published after the Conference and distributed to all registered participants who have paid the registration fee and presented their papers.

WORKING LANGUAGE

The working language of CSCS-17 is English and will be used for presentations and discussions.

NAME BADGE

An admission badge bearing the participant's name will be issued to all registered participants, thus authorizing access to all Conference sessions.

GET ACQUAINTED COCKTAIL PARTY

A Get Acquainted Cocktail Party will be held on Tuesday, May 26th 2009 from 19:30 hours at *Casa Oamenilor de Stiinta* Restaurant. The cost of attendance is covered by the registration fee.

REFRESHMENTS

Refreshments will be available at the Conference site daily.

LUNCHESES

Self-lunches will be available in the Leu Complex. The price for a lunch varies between 3 Euros and 5 Euros.

DINNER

Dinner will be served Thursday night at 20:00 hrs. The price of a dinner will be around 30 Euros. All information will be available at registration desk.

REGISTRATION AND INFORMATION DESK

The CSCS-17 Registration Desk will be open at the Conference site, Automatic Control and Computers Faculty, starting from May 26th 2009, 14:00 hrs.

REGISTRATION FEE

Registration fee is 300 Euro and includes participation, volumes, coffee breaks and cocktail. The fee for PhD students is 50 Euro. For Romanian participants the fee will be 200 Euro and for SRAIT members the fee will be 100 Euro.

CLIMATE

The weather in Bucharest is warm in May. Temperatures between 20°C to 30°C are to be expected.

INSURANCE

The organizers cannot be held liable for accidents to participants or for damage to or loss their personal property, howsoever caused. Participants are advised to make their own insurance arrangements.

Tuesday 26.05.2009		Wednesday* 27.05.2009						Thursday** 28.05.2009						Friday 29.05.2009			
	09.00	Opening Ceremony (EC105)															
	09.30	Coffee Break															
	10.00- 11.30	A1 (EC105)	C1 (EC004)	A2 (EC001)	A3 (EC002)	C2 (EC102)	09.00 - 11.00	HiPer GRID (EC105)	A11 (EC004)	MASTS (EC001)	C10 (EC002)	IAFA (EC102)	09.00 - 11.00	A13 (EC004)	A14 (EC001)	ECo (EC002)	
	11.00	Coffee Break					11.00	Coffee Break					11.00	Coffee Break			
	11.30	Coffee Break															
	12.00 - 13.30	A4 (EC105)	C3 (EC004)	A5 (EC001)	A6 (EC002)	C4 (EC102)	11.30 - 13.30	HiPer GRID (EC105)	A12 (EC004)	MASTS (EC001)	C11 (EC002)	IAFA (EC102)	11.30 - 13.30	A15 (EC004)	A16 (EC001)	ECo (EC002)	
	13.30 - 15.00	Lunch					13.30 - 15.00	Lunch					13.30 - 14.00	Round Table and Closing Ceremony (EC004)			
14.00-18.00 Registration (Hall EC)	15.00 - 16.30	IndPC (EC105)	C5 (EC004)	C6 (EC001)	A7 (EC002)	C7 (EC102)	15.00 - 18.00	Industrial Session (EC105)				IAFA (EC102)					
	16.30	Coffee Break										Break					
	17.00 - 18.30	A8 (EC105)	C8 (EC004)	C9 (EC001)	A9 (EC002)	A10 (EC102)						IAFA (EC102)					
19.30 Cocktail							19.30	Conference Dinner									

* **INVITED SESSION. Traffic Monitoring, Measurements and Prediction in Large Networks**
Wednesday, May 27, 2009, 10.00 – 11.30, Room EF307

** **Round table: Agent technology and semantics in ambient intelligence**
Thursday, May 28, 2009, 18.00 – 19.00, Room EC001