



CONTI 2008



THE 8th INTERNATIONAL CONFERENCE ON TECHNICAL INFORMATICS 5-6 June 2008

[Program > Conference program](#)

[Location](#)

[Program](#)

[Organisation](#)

[Papers](#)

[Participants](#)

[Administrators](#)

[Reviewers](#)

[Contact info](#)

Politehnica University of Timișoara
Faculty of Automation and Computers
ROMANIA

CONFERENCE PROGRAM

CONTI2008

The 8th INTERNATIONAL CONFERENCE ON TECHNICAL
INFORMATICS

5-6 June 2008
TIMIȘOARA, ROMANIA

Timișoara
- 2008 -

[Address for correspondence](#)

Prof. Dr. Eng. Octavian Prostean



Faculty of Automation and Computers
 Politehnica University of Timisoara, Romania
 Bd. V. Parvan no. 2, 300223 Timisoara, Romania
 Phone/Fax: +40-256-3211/+40-256-403214
 E-mail: decanat@ac.upt.ro

GENERAL PROGRAM

Wednesday, June 4	
18:00-20:00	Accommodation Information
Thursday, June 5	
8:00-9:00	Registration
9:00-9:25	Opening Ceremony
9:30-10:15	Plenary Session Symbiotic Human-Computer Interaction <i>Emil M. Petriu, University of Ottawa, Canada</i>
10:15-10:30	Coffee Break
10:30-12:30	Session 1: SA1-1, SA1-2, SC1-1, SC1-2, WS1-1
12:30-15:00	Lunch Time
15:00-17:00	Session 2: SA2-1, SA2-2, SC2-1, SC2-2, WS2-1
19:00-22:00	Cocktail
Friday, June 6	
8:00-9:00	Registration
9:00-11:00	Session 3: SA3-1, SA3-2, SC3-1
11:00-11:15	Coffee Break
11:15-11.30	Closing Session

SESSIONS TIME TABLE

ROOM	A1	A2	C1	C2	Ws
TIME	A110	A115	A109	A204	B014
Thursday June 8					
9:30-10:15	PLENARY SESSION, room A101 Symbiotic Human-Computer Interaction <i>Emil M. Petriu, University of Ottawa, Canada</i>				
10:30-12:30	SA1-1 (p.5)	SA1-2 (p.6)	SC1-1 (p.11)	SC1-2 (p.12)	WA1-1 (p.16)

12:30-15:00	LUNCH TIME				
15:00-17:00	SA2-1 (p.7)	SA2-2 (p.8)	SC2-1 (p.13)	SC2-2 (p.14)	WA1-2 (p.17)
Friday June 9					
9:00-11:00	SA3-1 (p.9)	SA3-2 (p.10)	SC3-1 (p.15)	-	-

AUTOMATION AND APPLIED INFORMATICS

Session SA1-1: Control Engineering: Theory and Applications

Chairs: Matei Vinătoru, Radu-Emil Precup
12.30, room A1

Thursday, 10.30-12.30

1. **Identification of Dynamic Errors-in-Variables Models for Bilinear Systems**
(proc. vol. 1, pp. 1-6)
T. Larkowski, J. G. Linden, B. Vinsonneau, K. J. Burnham, Coventry University, UK
2. **IAE Optimal Sliding Mode Control Algorithm for Second Order Systems with Velocity and Input Signal Constraints** (proc. vol. 1, pp. 7-12)
Aleksandra Nowacka-Leverton, Andrzej Bartoszewicz, Technical University of Łódź, Łódź, Poland
3. **Hybrid Petri Nets Software Application for Complex Systems Modeling**
(proc. vol. 1, pp. 29-34)
Carmen Odubasteanu, Calin Munteanu, Simona Caramihai, Florian Antonescu, Politehnica University of Bucharest, Bucharest, Romania
4. **Fault Detection on Hydro Pumped-Storage Plants** (proc. vol. 1, pp. 13-18)
Matei Vinatoru, Gabriela Canureci, Camelia Maican, University of Craiova, Craiova, Romania
5. **Methods Used to Implement Fail Safe Control Systems** (proc. vol. 1, pp. 133-138)
Gianina Gabor, Doina Zmaranda, University of Oradea, Oradea, Romania
6. **Experimental Studies of the Level Control Applied at the Coupled Tanks**
(proc. vol. 1, pp. 19-22)
Gabriela Canureci, Matei Vinatoru, Camelia Maican, Eugen Iancu, University of Craiova, Craiova, Romania

Session SAI-2: Applied Informatics in Industry

Chairs: Gheorghe Sebestyen, Vasile Stoicu-Tivadar
12.30, room A2

Thursday, 10.30-12.30

1. **Vibration Spectra Analyses at Andesite Disintegration by Drilling**
(proc. vol. 1, pp. 67-70)
Frantiek Krepelka, Ludmila Tréfová, Milan Laba, Júlia Kádárová, Slovak Academy of Sciences, Košice, Slovakia
2. **Scheduling and Simulation of a Semiconductor Production Facility Using Petri Nets, Composite Dispatching Rules and Evolutionary Algorithms**
(proc. vol. 1, pp. 115-120)
Artur M. Kuczapski, Mihai G. Novac, Mihai V. Micea, Vladimir I. Cretu, Politehnica University of Timisoara, Timisoara, Romania,
Silviu M. Trebuian, Laurentiu A. Maniu, advanced clean production Information Technology (acp-IT), Timisoara, Romania
3. **Towards a Traceability Solution on the Food Supply Chain**
(proc. vol. 1, pp. 121-126)
Gheorghe Sebestyen, Gavril Saplacan, Mircea Rusu, Company for Applied Informatics SA, Cluj-Napoca, Romania
Sergiu Nedevschi, Technical University of Cluj-Napoca, Cluj-Napoca, Romania
Mihai Cerghizan, SISTEC SA, Cluj-Napoca, Romania
Nicolae Todor, Oncologic Institute Ion Chiricuta of Cluj-Napoca, Cluj-Napoca, Romania
4. **Visual Identification Methods for Financial Applications** (proc. vol. 1, pp. 127-132)
Neculai Daniel Stoleru, Victor Valeriu Patriciu, Military Technical Academy of Bucharest, Bucharest, Romania
5. **A Web-Based Application for Water Pressure Control** (proc. vol. 1, pp. 139-142)
Ozten Chelai, Ovidius University of Constanta, Constanta, Romania
6. **Aspects Regarding Data Aggregation in Wireless Sensor Networks**
(proc. vol. 1, pp. 71-76),
Cristian Vasar, Octavian Prostean, Daniel Curiac, Politehnica University of Timisoara, Timisoara, Romania
7. **Considerations Regarding Optimizing Energy Consumption within Wireless Sensor Network Using Data Aggregation** (proc. vol. 1, pp. 67-70)
Cristian Vasar, Ioan Filip, Iosif Szeidert, Andreea Robu, Politehnica University of Timisoara, Timisoara, Romania

Session SA2-1: Robotics and Control of Electric Drives

Chairs: Clement Festila, Gheorghe-Daniel Andreescu Thursday, 15.00-17.00, room A1

1. **Development of Autonomous Mobile Recycling Robot** (proc. vol. 1, pp. 101-106)
Domokos Kiss, Dániel Varga, Dávid Vékony, Gábor Tevesz, Budapest University of Technology and Economics, Budapest, Hungary
2. **Monocular Vision Guided Mobile Robot Localization** (proc. vol. 1, pp. 111-114)
Ionut Dinulescu, Mircea Nitulescu, Dorin Popescu, Alice Predescu, University of Craiova, Craiova, Romania
3. **A Solution of Indirect Vector Control of Induction Motor Based on Minimum Number of Parameters Model** (proc. vol. 1, pp. 23-28)
Alexandru Onea, Vasile Horga, Gheorghe Asachi Technical University of Iasi, Iasi, Romania
4. **Considerations on Induction Machine Modeling and Classic/ Neuro-Fuzzy Control Solutions Applied at Electrical Drives** (proc. vol. 1, pp. 77-80)
Iosif Szeidert, Nicolae Budisan, Dan Ungureanu, Andreea Robu, Politehnica University of Timisoara, Timisoara, Romania
5. **An Analytical Nonlinear Model and Software Application for Dynamic Characteristics Study of Induction Motors** (proc. vol. 1, pp. 81-86)
Constantin Cosovan, Politehnica University of Timisoara, Timisoara, Romania
Lucian-Corneliu Ocolisan, Romanian Academy Timisoara Branch, Timisoara, Romania
6. **Switch-Mode Transistor-Based Drive-System** (proc. vol. 1, pp. 35-40)
Victor Verbitchi, National Research & Development Institute for Welding and Material Testing, Timisoara, Romania
Ioan Sora, Politehnica University of Timisoara, Timisoara, Romania

Session SA2-2: Biomedical Informatics 1

Chairs: Victor Moga, Lăcrămioara Stoicu-Tivadar Thursday, 15.00-17.00, room A2

1. **An Approach to Diagnosis of Certain Primary Headaches**
(proc. vol. 1, pp. 143-146)
Svetlana Simić, Petar Slankamenac, Institute of Neurology, Clinical centre Vojvodina, Novi Sad, Serbia
Dragan Simić, Novi Sad Fair, Novi Sad, Serbia
Dragana Milutinović, Medicine Faculty, Novi Sad, Serbia
2. **A Framework for Mining Association Rules in Data on Perinatal Care**
(proc. vol. 1, pp. 147-152)
Roxana Dogaru, Daniela Zaharie, West University of Timisoara, Timisoara, Romania
Diana Lungeanu, Elena Bernad, Victor Babes University of Medicine and Pharmacy of Timisoara, Timisoara, Romania
Maria Bari, Carol Davila University of Medicine and Pharmacy of Bucharest, Bucharest, Romania
3. **Complex Telemonitoring of Patients and Elderly People Using Internet and Mobile Technology** (proc. vol. 1, pp. 153-156)
Hariton Costin, Cristian Rotariu, Ioana Alexa, Gladiola Andruseac, Gr. T. Popa University of Medicine and Pharmacy of Iasi, Iasi, Romania
Vlad Cehan, Robert Lupu, Gheorghe Asachi Technical University of Iasi, Iasi, Romania
Victor Felea, Ciprian Costin, Alexandru Ioan Cuza University of Iasi, Iasi, Romania
Octavia Morancea, Victor Babes University of Medicine and Pharmacy of Timisoara, Timisoara, Romania
4. **Mobile Application Supporting the Activity of the Cardiology Department in a Hospital** (proc. vol. 1, pp. 157-160)
Romina Pinte, Lacramioara Stoicu-Tivadar, Politehnica University of Timisoara, Timisoara, Romania
5. **Integration of Bio-Medical Information The Virtual Physiological Human Framework** (proc. vol. 1, pp. 175-178)
G. I. Mihalas, Georgeta Mihalas, Lavinia Noveanu, Minodora Andor, Victor Babes University of Medicine and Pharmacy of Timisoara, Timisoara, Romania
6. **Nyquist Sample Period Determination for Continuous Glucose Monitoring System**
(proc. vol. 1, pp. 161-166)
Ionela Iancu, Maria Moța, University of Medicine and Pharmacy of Craiova, Craiova, Romania
Eugen Iancu, University of Craiova, Craiova, Romania

Session SA3-1: Modeling, Identification, Parameter Estimation and Nonlinear Systems

Chairs: Mihaela Matcovschi, Octavian Proștean
11.00, room A1

Friday, 9.00-

1. **Correlations between Fractional-Order Model Parameters and the Effect of Geometrical Changes in Human Respiratory Airways** (proc. vol. 1, pp. 41-46)
Clara Ionescu, Robin De Keyser, Ghent University, Gent, Belgium
2. **Nonlinear Control Design for Air Levitation of a Ball and its Visualization in Matlab&Simulink&Virtual Reality Toolbox** (proc. vol. 1, pp. 53-56)
Itépán Oana, Radovan Hájovský, Martin Pie, VIB-Technical University of Ostrava, Ostrava, Czech Republic
3. **Parameter Estimation for Errors-in-Variables Systems Using Partitioned Input Data** (proc. vol. 1, pp. 47-52)
Levente Hunyadi, István Vajk, Budapest University of Technology and Economics, Budapest, Hungary
4. **Diagnosis with Intelligent Prediction A Case Study** (proc. vol. 1, pp. 57-62)
Dorin Isoc, Ion Gaziuc, Adrian Joldiş, Aurelian Ignat-Coman, Technical University of Cluj-Napoca, Cluj-Napoca, Romania
5. **Contractive Invariant Sets in the Dynamics of Switched Linear Systems** (proc. vol. 1, pp. 91-96)
Mihaela Matcovschi, Octavian Pastravanu, Gheorghe Asachi Technical University of Iasi, Iasi, Romania
6. **Generating Independent Chaotic Attractors in the State Space** (proc. vol. 1, pp. 97-100)
Cristina Morel, Eric Chauveau, Ecole Supérieure d'Electronique de l'Ouest ESEO, Angers, France
Radu Vlad, Technical University of Cluj-Napoca, Cluj-Napoca, Romania

Session SA3-2: Biomedical Informatics 2

Chairs: Gheorghe Mihalas, Lăcrămioara Stoicu-Tivadar

Friday, 9.00-10.30, room A2

1. **The Use of Medical Ontology in a Knowledge-Based Semantic Fusion System** (proc. vol. 1, pp. 167-170)
Roxana-Oana Teodorescu, Vladimir-Ioan Cretu, Politehnica University of Timisoara, Timisoara, Romania
Daniel Racoceanu, IPAL-Image Perception, Singapore; and University of Besancon, France

2. **A Customized Population Screening Method for Osteoporosis and Osteoarthritis** (proc. vol. 1, pp. 171-174)
Versavia Ancusa, Razvan Bogdan, Mircea Vladutiu, Politehnica University of Timisoara, Timisoara, Romania
Lelia Susan, 4th Medical Clinique, CFR University Hospital, Timisoara, Romania
3. **Stresses Acting at the Bone-Screw Interface of an Implanted Cervical Segment** (proc. vol. 1, pp. 179-182)
Dan Ioan Stoia, Mirela Toth-Tascau, Politehnica University of Timisoara, Timisoara, Romania
Cris Precup, Vasile Goldis Western University of Arad, Arad, Romania
4. **Reconstruction of a Third Lumbar Vertebra from CT Images** (proc. vol. 1, pp. 87-90)
Dan Ioan Stoia, Politehnica University of Timisoara, Timisoara, Romania
5. **A Computerized Morphometric System for Comet Assay** (proc. vol. 1, pp. 183-186)
N. Todor, Ioana Brie, Maria Perde, Ion Chiricuta Oncology Institute of Cluj-Napoca, Cluj-Napoca, Romania
Viorica Nagy, Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca, Romania
G. Saplacan, Applied Information Company, Cluj-Napoca, Romania

COMPUTER AND SOFTWARE ENGINEERING

Session SCI-1: Software Development. Tools and Applications

Chairs: Vladimir Cretu, Ioan Jurca
12.30, room C1

Thursday, 10.30-12.30

1. **Integrated Approach to Risk Management in Software Projects** (proc. vol. 2, pp. 1-4)
lárka Květoňová, Jitka Kreslíková, Brno University of Technology, Czech Republic
2. **OCL Compiler Support for a Modeling Environment** (proc. vol. 2, pp. 5-8)
Tamás Vajk, Gergely Mezei, Tihamér Levendovszky, Budapest University of Technology and Economics, Hungary
3. **Modeling Web Systems using QBD and MAP / PH / 1 Processes** (proc. vol. 2, pp. 9-12)
Raluca Popa, Csaba Legány, Márk Kaszó, Budapest University of Technology and Economics, Hungary

4. **Towards Automatic Generation and Regeneration of Logic Representation for Object-Oriented Programming Languages** (proc. vol. 2, pp. 13-18)
Ciprian-Bogdan Chirila, Calin Jebelean, Anca Maduta, Politehnica University of Timisoara, Romania
5. **Requirements for a Worklist Management System. A Resource Patterns Perspective** (proc. vol. 2, pp. 19-24)
Teodor-Florin Fortiș, West University of Timisoara, Romania
Eric Mannie-Corbisier, Arek Bekiersz, Perceval Technologies, Brussels, Belgium
6. **Software Pack for Dynamic Characteristics Study of Induction Motors** (proc. vol. 2, pp. 25-30)
Constantin Cosovan, Politehnica University of Timisoara, Romania
Lucian-Corneliu Ocolisan, Romanian Academy Timisoara Branch, Romania
7. **Developing an Application to Encrypt Data using Hash Functions** (proc. vol. 2, pp. 31-34)
Radu Tomoiaga, Mircea Stratulat, Daniela Stanescu, Iulia Klein, Bogdan Stratulat, Politehnica University of Timisoara, Romania

Session SCI-2: Embeded Systems. Computer Architectures, Reliability and Testing

Chairs: Voicu Groza, Mircea Vladutiu
12.30, room C2

Thursday, 10.30-

1. **Design and Programming of Multiprocessor Systems on Chip: a Survey** (proc. vol. 2, pp. 35-40)
Krste Mitric, Miodrag Bolic, Voicu Groza, University of Ottawa, Canada
2. **Wireless Electronic Drums Using the IEEE 802.15.4 Standard** (proc. vol. 2, pp. 41-44)
Paul-Daniel Piscoi, Saguaro Technology, Timisoara, Romania
Marius MARCU, Politehnica University, Timisoara, Romania
3. **Intelligent Measuring and Control System for Honeybees Life Support** (proc. vol. 2, pp. 45-50)
Bogdan Popescu, Andrei Stancovici, Ovidiu Szanto, Sebastian Fuicu, Marius Marcu, Politehnica University of Timisoara, Romania

4. **Possible Threats in an Intelligent Sensor Grid** (proc. vol. 2, pp. 51-56)
Razvan Bogdan, Versavia Ancusa, Mircea Vladutiu, Polithenica University of Timisoara, Romania
5. **Multiprocessor Systems vs. Multicore Systems for Parallel Genetic Algorithms** (proc. vol. 2, pp. 57-60)
Teodor Iuliu Pop, Mircea Vladutiu, (Politehnica University of Timisoara, Romania
6. **Radix-4 Modified Booth Multiplication Algorithm** (proc. vol. 2, pp. 61-64)
Alexandru Amarcai, Mihai Udrescu, Mircea Vladutiu, Lucian Prodan, Oana Boncalo, (Politehnica University of Timisoara, Romania

Session SC2-1: Distributed and Real-Time Systems

Chairs: Ioan Jurca, Vladimir Cretu
17.00, room C1

Thursday, 15.00-

1. **Solving Computational-Intensive Tasks for Digital Libraries by using Grid-based e-Infrastructures** (proc. vol. 2, pp. 65-68)
Silviu Panica, Dana Petcu, Andrei Eckstein, West University of Timisoara, Romania
2. **An Example of Task Despatching in a Soft Real Time Unit** (proc. vol. 2, pp. 69-72)
Dragan Milivojevic, Visa Tasic, Marijana Pavlov, Vladimir Despotovic, Mining and Metallurgy Institute at Bor, Serbia
3. **Towards a Digital Content Management System** (proc. vol. 2, pp. 73-78)
Gheorghe Sebestyén-Pál, Tünde Bálint, Bogdan Moscaliuc, Ágnes Sebestyén-Pál, Technical University of Cluj-Napoca, Romania
4. **Web Services and Java Advanced Imaging for Digital Image Processing** (proc. vol. 2, pp. 79-84)
Cristina Gherghina, Ovidius University of Constanta, Romania
Eliza Isbasoiu, Spiru Haret University of Bucuresti, Romania
5. **Simulation-Based Performance Evaluation of Distributed Software Systems. A Case Study** (proc. vol. 2, pp. 85-90)
Cosmina Chișe, Ioan Jurca, Politehnica University of Timisoara, Romania
6. **Satellite Image Processing by MedioGrid Software Platform** (proc. vol. 2, pp. 91-96)
Victor Băcu, Dorian Gorgan, Cornelia Melenti, Technical University of Cluj-Napoca, Romania

Session SC2-2: Artificial Intelligence

Chairs: Stefan Holban, Marius Crisan
17.00, room C2

Thursday, 15.00-

1. **Traffic Model Using Formal Specification** (proc. vol. 2, pp. 97-102)
Gyula Max, Budapest University of Technology and Economics, Hungary
2. **Searching for Similar Documents on Mobile Devices using Taxonomy** (proc. vol. 2, pp. 103-108)
Kristóf Csorba, István Vajk, Budapest University of Technology and Economics, Hungary
3. **Ontology Mapping for Interagent Communication using String metrics and FCA**
(proc. vol. 2, pp. 109-114)
Ioan Alfred Letia, Mihai Costin, Technical University of Cluj-Napoca, Romania
4. **Redundant Nodes Management in Wireless Sensor Networks** (proc. vol. 2, pp. 115-118)
Codruta Istin, Dan Pescaru, Horia Ciocarlie, Politehnica University of Timisoara
Romania
5. **Formalizing Agent Interactions in Matchmaking Processes Using FSP** (proc. vol. 2, pp. 119-122)
Amelia Bădică, Costin Bădică, University of Craiova, Romania
6. **Expert System for Car Overtaking Assistance on National Roads** (proc. vol. 2, pp. 123-128)
Florica Naghiu, Simona Petcu, Dan Pescaru, Politehnica University of Timisoara Romania
7. **Some Aspects about 3D Objects Recognition and Distance Approximation** (proc. vol. 2, pp. 129-134)
Traian Pătrușel, University of Aurel Vlaicu, Arad, Romania
Eugene Roventă, York University of Toronto, Canada
Cornel Barna, University of Aurel Vlaicu, Arad, Romania

Session SC3-1: Education and E-Learning. Databases

Chairs: Gabriela Grosseck, Ionel Jian
11.00, room C1

Friday, 9.00-

1. **Education of industrial control systems at VSB-Technical University of Ostrava, Czech Republic** (proc. vol. 2, pp. 135-140)
Jiri Koziorek, VSB-Technical University of Ostrava, Czech Republic
2. **Building OAE Tutorial by Applying Camtasia Studio Tool** (proc. vol. 2, pp. 141-146)
Maja Boović, Danijela Miloević, University of Kragujevac, Cacak, Serbia
3. **E-learning as Endeavors in Learning Lifelong Earnings** (proc. vol. 2, pp. 147-152)
Oana-Maria Iorga, Mihaela Andreiu, Helsinki School of Economics, Finland
4. **A Semantic Web-based Approach for Modeling and Deploying Grid Services** (proc. vol. 2, pp. 153-158)
Sabin C. Buraga, Alexandru Ioan Cuza University of Iasi, Romania
5. **Graphical Anotation on 3D Objects by eTrace eLearning System** (proc. vol. 2, pp. 159-162)
Teodor Stefanut, Dorian Gorgan, Technical University of Cluj-Napoca, Romania
6. **Optimization Algorithms for Scheduling Problem in Pipelined Parallelism** (proc. vol. 2, pp. 163-168)
Carmen Odubășteanu, Călin Munteanu, Politehnica University of Bucharest, Romania
Cătălin Tudose, ITC Networks, Bucharest, Romania
7. **Bitmap Indexes on the Graphics Processing Unit** (proc. vol. 2, pp. 169-174)
Ovidiu Pârvu, Ionel Jian, Politehnica University of Timisoara, Romania

CONTI 2008 WORKSHOPS

**Session WAI-1: First Workshop on Computational Intelligence in Measurement, Control and Instrumentation
CIMCI 2008**

Chairs: János Fodor, Stefan Preitl
12.30, room W1

Thursday, 10.30-

1. **Computational Intelligence and Soft Computing** (proc. vol. 3, pp. 3-8)
János Fodor, Imre J. Rudas, Budapest Tech Polytechnical Institution, Hungary
2. **Control of the Action of Hearth and Loading / Unloading of a Rotary Hearth Furnace Used in Metallurgy** (proc. vol. 3, pp. 9-14)
Vlad Mureşan, Mihail Abrudean, Technical University of Cluj-Napoca, Romania
3. **Gradient Descent- and PSO-based Optimal Trajectory Planning for Nonholonomic Devices** (proc. vol. 3, pp. 15-20)
József K. Tar, László Nádai, Budapest Tech Polytechnical Institution, Hungary
Stefan Preitl, Radu-Emil Precup, Politehnica University of Timișoara, Romania
4. **Tensor Product Model Transformation Based Control of a Pneumatic Cylinder** (proc. vol. 3, pp. 21-26)
Patricia Gróf, Budapest University of Technology and Economics, Hungary
János Gyeviki, Antal Véha, University of Szeged, Hungary
Zoltán Petres, Peter Korondi, Budapest University of Technology and Economics, Hungary
5. **A Semantic Model for Knowledge Base Representation in a Grammar Induction System** (proc. vol. 3, pp. 27-32)
Erika Baksa-Varga, László Kovács, University of Miskolc, Hungary
6. **Nonlinear Modeling Aspects of Hybrid Electric Vehicles** (proc. vol. 3, pp. 33-36)
Zsuzsa Preitl, Budapest University of Technology and Economics, Hungary
Balázs Kulcsár, Technical University of Delft, The Netherlands
József Bokor, Hungarian Academy of Sciences, Hungary
7. **Sensitivity Analysis of a Class of Fuzzy Controlled Tricycle Mobile Robots** (proc. vol. 3, pp. 37-42)
Stefan Preitl, Radu-Emil Precup, Politehnica University of Timișoara, Romania
József K. Tar, Budapest Tech Polytechnical Institution, Hungary
Peter Korondi, Budapest University of Technology and Economics, Hungary
Igor Ikrjanc, Sao Blaič, University of Ljubljana, Slovenia
8. **Context Driven Integration of Engineering Objects in Product Model** (proc. vol. 3, pp. 87-92)
László Horváth, Imre J. Rudas, Budapest Tech, Hungary
Gerhard Hancke, University of Pretoria, South-Africa

Session WA2-1: First Workshop on New Directions in Real-Time Networked Control Systems ReNeCoSy 2008

Chairs: Cosmin Ionete, Ioan Silea
17.00, room W1

Thursday, 15.00-

1. **Simulation of Real-Time Control Systems Using TrueTime Library and Matlab** (proc. vol. 3, pp. 45-50)
Cosmin Ionete, Emil Petre, Monica Roman, Dan Selişteanu, University of Craiova, Romania
2. **Simulation of Distributed Networked Control of Rotational Quanser Experiments** (proc. vol. 3, pp. 51-56)
Cosmin Ionete, Dorin Popescu, Dorin Sendrescu, Monica Roman, Mihai Raducu, University of Craiova, Romania
3. **An Overview of the NTLM Authentication and its Weaknesses in SharePoint Solutions** (proc. vol. 3, pp. 57-62)
Bogdan Groza, Politehnica University of Timișoara, Romania
Andrei Alexandroni, Pensive S.A., Belgium
Ioan Silea, Politehnica University of Timișoara, Romania
4. **Networked Control and Monitoring System for 13C Isotope Separation Column** (proc. vol. 3, pp. 63-66)
Eva-Henrietta Dulf, Clement Feștilă, Mihail Abrudean, Technical University of Cluj-Napoca, Romania
5. **A Distributed Multimode Real-Time Controller for the Three Tanks System** (proc. vol. 3, pp. 67-70)
Daniel Iercan, Marius Mezin, Politehnica University of Timișoara, Romania
6. **The Design of a Biological Wastewater Treatment Plant Controlled by the Process Computer** (proc. vol. 3, pp. 81-86)
Sergiu Caraman, Marian Barbu, Dunărea de Jos University of Galați, Romania
7. **Robot Control Based on Virtual Environment and Voice Commands** (proc. vol. 3, pp. 77-80)
Emil Voișan, Florin Drăgan, Raul Robu, Andrei Gudiu, Politehnica University of Timișoara, Romania
8. **Networked Control. Signal Processing Aspects and Case Study** (proc. vol. 3, pp. 81-86)
Radu-Emil Precup, Stefan Preitl, Politehnica University of Timișoara, Romania
Igor Ikrjanc, University of Ljubljana, Slovenia
Ion-Bogdan Ursache, Petru Alexandru Clep, Claudia-Adina Dragoș, Politehnica University of Timișoara, Romania