

SIMISIS - 13

13th International Symposium on Modeling, Simulation and System's Identification

September 21-22, 2007

Galati, ROMANIA

Preliminary Program

21 september

9:00 – 9:30 Registration Y building , 2, Stiintei, Galati

9:30 – 10:00 Welcome by Symposium Chair , Y building , 2, Stiintei, Galati

10:00 – 11:00 Section Presentations

11:00 – 11:20 Coffee Break

11:20 – 13:00 Section Presentations

13:00 - 13:20 Coffee Break

13:20 – 14:20 Section Presentations

15:30 – 20:00 Conference Diner on the Danube

22 september

9:30 – 12:00 Round table

SECTIONS

Multi Agent Systems

Room: Y504

Chair: S. Bumbaru

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|-------|---|--|
| 10:00 | 1. On the Role of an Emotional
Community Agent in Retail Markets | Nicolae Jâşcanu, Veronica Jâşcanu,
Florin Nicolau |
| 10:20 | 2. On the Emotional Aspects of an
Model for Bilateral, Multi-Issue
Negotiations in Retail Markets | Nicolae Jâşcanu, Veronica Jâşcanu,
Florin Nicolau |
| 10:40 | 3. An Ant Colony System Based
Metaheuristic for Solving Single Machine
Scheduling Problem | Adrian Serbencu, Viorel Minzu,
Adriana Serbencu |

Pattern Recognition And Knowledge Based Systems

Room: Y504

Chair: S. Bumbaru

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| 11:20 | 1. Knowledge Based Diagnostic System with Probabilistic Approach, | Adina Cocu |
| 11:40 | 2. Ontology Editing Support – A Study Of Existing Tools | Sabin C. Buraga, Diana Ștefănescu |
| 12:00 | 3. Discovering Linguistic Values Definitions from The Database Content in a Fuzzy Querying Context | Cornelia Tudorie, Diana Stefanescu, Severin Bumbaru |
| 12:20 | 4. Texture Recognition by Using Negentropy Based Signatures | Ana Elena Lungu ¹ , Daniela Coltuc ² , Laurentiu Frangu ¹ |
| 12:40 | 5. RLS Spectra Analysis by ICA | Andreea Merlan, Daniela Coltuc, Mihaela Ilie |

Fuzzy Logic Control

Room: Y504

Chair: S. Caraman

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|-------|---|--|
| 13:20 | 1. Fuzzy Adaptive Control Simulation of the Electron Beam Focusing, | Stelian-Emilian Oltean, Horațiu Grif , Adrian-Vasile Duka, |
| 13:40 | 2. Fuzzy Automatic Daylight Control System, | Grif Horațiu Ștefan, Duka Adrian-Vasile, Oltean Stelian, |
| 14:00 | 3. Fuzzy Control of an Electromagnetic Levitation Device, | Duka Adrian-Vasile, Grif Horatiu Stefan, |

Modelling And Simulation I

Room: Y405

Chair: A Filipescu

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| 10:00 | 1. Modeling Of Human Being – Environment Interaction | Florin Anghel |
| 10:20 | 2. Virtual Processing of the Textile Products Design Activity, | Mihai Stan, Emilia Visileanu, Carmen Ghituleasa, Mihai Ciocoiu |
| 10:40 | 3. Some Aspects Concerning The E-Casch Security | Corina Săvulescu, Ion Sima |

Modelling And Simulation II

Room: Y405

Chair: A Filipescu

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|-------|---|--|
| 11:20 | 1. Buck Supplies Output Voltage
Ripple Reduction Using Fuzzy Control, | Nicu Bizon |
| 11:40 | 2. Combined Heat and Power Plant
Installations Modeling by Soft
Computing Methods", | L. Mastacan, I. Olah, C. Dosoftei. |
| 12:00 | 3. On the Reactive Distillation
Modeling and Dynamic Simulation, | Gabriel Rădulescu, Constantin
Stoica, Ioana Georgescu |
| 12:20 | 4. Sift Based Algorithm for Point
Feature Tracking | Adrian Burlacu, Cosmin Copot And
Corneliu Lazar |
| 12:40 | 5. On The Compliance Control
Problem for a Hyperredundant Arm | Mircea Ivanescu, Mihaela Cecilia
Florescu |

Estimation And Identification

Room: Y405

Chair: A Filipescu

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| 13:20 | 1. Invariance Properties of Time-
Varying Linear Systems | Octavian Pastravanu And Mihaela
Matcovschi |
| 13:40 | 2. Thermal Processes' Identification
Using Virtual Instrumentation | Iosif Olah, Nicoleta Stefania Hulea,
Octavian Costel Vornicu And Lucian
Mastacan |
| 14:00 | 3. Sliding-Mode Adaptive Control of
Pioneer 3-Dx Wheeled Mobile Robot | A. Filipescu, Al. Stancu, S.Filipescu |

Industrial Control Application I

Room: Y401

Chair: V Dugan

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|-------|---|---|
| 10:00 | 1. Using IP and Serial Networks for
Online Industrial Process Broadcast and
Control | Nicolae Paraschiv, Alexandru Popa,
Cristina Popa |
| 10:20 | 2. Improvment on of Heat Pumps
Control Strategy, | Nicolae Paraschiv, Daniel Mihaescu |
| 10:40 | 3. Optimisation of Sulphur Recovery
Unit`S Control Strategy, | Daniel Mihaescu |

Industrial Control Application II

Room: Y401

Chair: V Dugan

11:20	1. Data Acquisition and Transfer Through Internet	Traian Turc
11:40	2. Remote Monitoring and Control Using Micro-Programmed Systems	Turc Traian
12:00	3. The Multichannel Numerical Controller	Ion Sima, Corina Săvulescu
12:20	4. A Method for Fingerprint Authentication Based on Parallel Computing	Dorin Cârstoiu, Cristian Guef, Alexandra Cernian, Stefan Bodea
12:40	5. Automatic Quality Report Generation for Gold Ingots	Dorin Cârstoiu, Stefan Bodea, Alexandra Cernian, Cristian Guef

Industrial Control Application III

Room: Y401

Chair: V Dugan

13:20	1. Multi-Stage Inverter Topologies for an Energy Generation Systems,	Nicu Bizon, Emil Sofron, Mihai Oproescu, Marian Raducu
13:40	2. Multilevel Cascade Inverter	Petre-Daniel Ionescu, Alin Moscalu And Mihaela Moscalu
14:00	3. Informatic System for Preventive Maintenance Actions , in Electric Systems,	Mircea Dulău, Vasile Dub, Dorin Sarchiz, Ovidiu Georgescu
14:20	4. The Optimal Control for D.C. Position Drive System	T. Munteanu, E. Rosu, T. Dumitriu, M. Culea, R. Paduraru, C. Dache