

ECIT'2010

*The 6th European Conference on Intelligent
Systems and Technologies*

Under the aegis of

**The Romanian Academy, Iași Branch
Romanian Chapter IEEE**

Organizers

Institute of Computer Science, Romanian Academy, Iași Branch
"Gheorghe Asachi" Technical University of Iași
(Faculty of Electronics and Telecommunications and Information
Technology,
Faculty of Automatic Control and Computer Engineering)
"Al. I. Cuza" University of Iași
National Inventics Institute of Iași

Conference Co-Chairs

*Horia-Nicolai Teodorescu
Corneliu Burileanu*

Local Organizing Committee

Institute of Computer Science, Romanian Academy, Iași Branch

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Untu Alina

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Junzo Watada, Graduate School of IPS, Waseda University, Japan
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Valeriu Canter, Science Academy of Republic Moldova

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Ion Bogdan, "Gheorghe Asachi" Technical University of Iași, Romania
Adrian Brezulianu, "Gheorghe Asachi" Technical University of Iași, Romania
Corneliu Burileanu, Vice-Rector, Politehnica University of Bucharest
Valeriu Canter, Science Academy of Republic Moldova
Ioan Cleju, "Gheorghe Asachi" Technical University of Iași, Romania
Svetlana Cojocaru, Sciences Academy of Republic Moldova
Mitică Craus, "Gheorghe Asachi" Technical University of Iași, Romania
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Radu Dobrescu, President, IEEE Romania
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Mircea Giurgiu, Technical University of Cluj-Napoca, Romania
Liviu Goras, "Gheorghe Asachi" Technical University of Iași, Romania
Lakmi C. Jain, University of South Australia, Adelaide, Australia
Takeshi Koide, Osaka Dental University, Osaka, Japan
Hiroyuki Kometani, Osaka Dental University, Osaka, Japan
Radu Negoescu, National Institute of Public Health, Bucharest, Romania
Florin Rotaru, Institute of Computer Science, Romanian Academy, Iași Branch
Rodica Strungaru, University Politehnica of Bucharest, Romania
Anatoli Sydorenko, Sciences Academy of Republic Moldova
Emilia Tantar, FSTC, CSC, University of Luxembourg, Luxembourg
Gavril Todorean, Technical University of Cluj-Napoca, Romania
Emil Sofron, University of Pitesti, Romania
Mihaela Ungureanu, *Politehnica* University of Bucharest, Romania
Mircea-Florin Vaida, Technical University of Cluj-Napoca, Romania
Annamaria Varkonyi-Koczy, Vice-Rector, Obuda University, Hungary
Junzo Watada, Graduate School of IPS, Waseda University, Japan

Timetable and Program

Date	Time	Session or activity	Location
October 06	10:00	<p>Special Event: Honoring Professor Seizaburo Arita Hall of the Technical University of Iași, 10:00 a.m.</p> <p>Presentation to Professor Arita of the Honorary Plaque and Medal of 'Gheorge Asachi' Technical University of Iași</p> <p>BRAIN-EURODOC and IIT Doctoral Schools Lecture</p> <p>Presenter: Professor Seizaburo Arita, Japan Topic: "Medical Applications of Fuzzy Logic and Soft Computing to the diagnosis"</p>	<p>Senate Hall of "Gheorge Asachi" Technical University of Iași</p> <p>Under the aegis of the doctoral School of "Gheorghe Asachi" Technical University of Iasi and Institute of Computer Science, Romanian Academy, Iași Branch</p>
October 07	08:00-09:00	Registration	Conference Hall of the Romanian Academy, Iași Branch, Blvd. Carol I, nr. 8
October 07	09:00-09:30	Opening Ceremony	Conference Hall of the Romanian Academy, Iași Branch
October 07	09:30-10:30	Plenary Session I: Invited Papers	Conference Hall of the Romanian Academy, Iași Branch
October 07	10:30-11:00	Coffee Break	
October 07	11:00-12:00	Plenary Session II: Invited Papers	Conference Hall of the Romanian Academy, Iași Branch
October 07	12:30-15:00	Lunch Break	
October 07	15:00-16:45	Symposium on Speech, Natural Languages and Cognitive Science	Technical University Magna Aula
October 07	15:00-16:45	Neural Networks & Fuzzy Systems	Conference Hall of the Romanian Academy, Iași Branch
October 07	15:00-16:45	Session Biomedical Signal Processing	Small Hall of the Iași Branch of the Romanian Academy
October 07	16:45-17:00	Coffee Break	
October 07	17:00-18:30	Image Processing	Conference Hall of the Romanian Academy, Iași Branch
October 07	17:00-18:30	Optimization	Technical University Magna

			Aula
October 07	19:30-22:00	Banquet	<i>Ramada</i> Restaurant on the 7 th of October 2010, 19:00
October 08	09:00-10:00	MIVIEM - MIACSAM Workshop	Conference Hall of the Romanian Academy, Iași Branch
October 08	09:00-10:00	BIOMED session	Technical University Magna Aula
October 08	09:00-10:00	Intelligent Systems	Small Hall of the Iasi Branch of the Romanian Academy
October 08	10:00-10:15	Coffee Break	
October 08	10:15-11:45	Web and Advanced Computing	Technical University Magna Aula
October 08	10:15-11:45	Posters	Hall of the Technical University of Iași

PROGRAM

October 06, 10:00 a.m.

Special Event: Honoring Professor Seizaburo Arita
Hall of the Technical University of Iași

Presentation to Professor Arita of the Honorary Plaque and Medal of 'Gheorghe Asachi' Technical University of Iași

BRAIN-EURODOC Doctoral Schools Lecture

Presenter: Professor Seizaburo Arita, Japan
Topic: "Medical Applications of Fuzzy Logic and Soft Computing to the diagnosis"

October 07 - 08, 8:00 – 14:00

Exhibition: History of Wireless Telegraphy, of Telephony and of Radio
Organized by the Science and Technical National Museum
Moldova Iași

October 07, 8:00 - 9:00

Registration of the participants
Conference Hall of Romanian Academy, Iași Branch, Blvd. Carol I, nr. 8

OPENING CEREMONY ECIT2010

October 07, 9:00 - 9:30

Conference Hall of Romanian Academy, Iași Branch, Blvd. Carol I, nr. 8

Welcome Addresses:

Horia-Nicolai Teodorescu, Chairman

Opening Addresses:

Viorel Barbu, Academician, President of the Iasi Branch of the Romanian Academy

Corneliu Burileanu, Co-Chair, Vice-Rector, *Politehnica* University of Bucharest

Radu Dobrescu, President, IEEE Romania

Annamaria Varkonyi-Koczy, Vice-Rector, Obuda University, Hungary

Ion Bogdan, Dean, Faculty of Electronics, Telecommunications and Information Technology, Technical University of Iași, Romania

Takeshi Koide, Osaka Dental University, Japan

INVITED PLENARY SESSION I

October 07, 09:30 - 10:30

Conference Hall of Romanian Academy, Iași Branch, Blvd. Carol I, nr. 8

Co-Chairs: Radu Dobrescu, Anatoli Sidorenko

Verbal Input System Suitable for the Fuzziness of Japanese Voices

Seizaburo Arita¹, Takeshi Koide², Hiroyuki Kometani², Takayuki Kawaura³,
Mitsugi Honda⁴

¹Faculty of Life and Medical Sciences, Doshisha University, Kyoto, Japan

²Department of Interdisciplinary Dentistry and Oral Diagnosis, Osaka Dental University, Osaka, Japan

³Department of Mathematics and Computer Science, Kansai Medical University, Osaka, Japan

⁴Central Division of Radiology, Okayama University, Okayama, Japan

Speech Recognition Experimental Results for Romanian Language

Cristina Sorina Petrea, Andi Buzo, Horia Cucu, Miruna Pașca, Corneliu Burileanu

“SpeeD” Laboratory, Faculty of Electronics, Telecommunications and Information Technology, University “Politehnica” of Bucharest, Romania

Soft Computing Based Anytime Modeling Methodology

Annamaria Varkonyi-Koczy

Institute of Mechatronics and Vehicle Engineering, Obuda University, Hungary

INVITED PLENARY SESSION II

October 07, 11:00 - 12:00

Conference Hall of Romanian Academy, Iași Branch, Blvd. Carol I, nr. 8

Co-Chairs: Annamaria Varkonyi-Koczy, Svetlana Cojocaru

Superconducting Spin – Switch Based on Proximity Effect for Spintronics

Roman Morari¹, Vladimir Zdravkov¹, Evgheni Antropov¹, Andrei Prepelita¹,
Lenar Tagirov², Anatoli Sidorenko¹

¹Institute of Electronic Engineering and Industrial Technologies ASM, Kishinev, MD2028, Moldova

²Solid State Physics Department, Kazan State University, Kazan, Russia

Applications of Fractal Analysis in Biomedical Image Processing

Radu Dobrescu¹, Loretta Ichim^{1,2}, Cătălin Vasilescu³, Daniela Crișan¹

¹Faculty of Control and Computers, Politehnica University of Bucharest, Romania

²“Stefan S. Nicolau” Institute of Virology, Bucharest, Romania

³Fundeni Clinical Institute, Department of General Surgery and Liver Transplantation, Bucharest, Romania

REGULAR AND INVITED SESSIONS

I. Symposium on Speech, Natural Languages and Cognitive Science

Invited Session

October 07, 15:00 - 16:45

Technical University Magna Aula

Symposium Chair: Corneliu Burileanu

Symposium Vice-Chairs: Gavril Todorean, Vasile Apopei

Session 1: Regular Papers (15 minutes)

Co-Chairs: Corneliu Burileanu, Gavril Todorean

Applied Method for Region and Phonetic Segmentation of Voice Signal

Ovidiu Buza, Gavril Todorean, Jozsef Domokos, Arpad Zsolt Bodo

Technical University of Cluj-Napoca, Romania

Fully Automatic and Reliable Formant Extraction in Large Speech Corpora by using Multiple Estimation Methods

Ahsanul Kabir¹, Jon Barker², Mircea Giurgiu¹

¹Technical University of Cluj-Napoca, Romania

²The University of Sheffield, United Kingdom

A Romanian Intonation Study using Similarity Measures and Functional Descriptions

Vasile Apopei, Doina Jitcă

Institute of Computer Science, Romanian Academy, Iași Branch, Romania

Session 2: Short Papers (5 minutes)

Co-Chairs: Mircea Giurgiu, Svetlana Cojocaru

The SCD Parsing Method Applied to Romanian, French, and German Thesauri

Neculai Curteanu, Mihai Moruz, Diana Trandabăț

Institute of Computer Science, Romanian Academy, Iași Branch, Romania

Formalization of Paradigms in Metalingua. Towards a Knowledge Representation Framework Based on Brain Informatics and Fundamenta Mathematica

Ioachim Druguș

Academy of Sciences of the Republic of Moldova and Semantic Soft, Inc.

Levels of Finite Clause Parsing: Implications and Applications

Cristina Butnariu, Neculai Curteanu, Cecilia Bolea

Institute of Computer Science, Romanian Academy, Iași Branch, Romania

Methodology and the Instrument for Statistic Analysis of the Romanian Language for a Population Selection

Ioan Păvăloi, Horia-Nicolai Teodorescu, Monica Feraru

Institute of Computer Science, Romanian Academy, Iași Branch, Romania

Investigation of the /v/ pronunciation for the Romanian language

Alina Untu, "Gheorghe Asachi" Technical University of Iași, Romania

II. Neural Networks & Fuzzy Systems

October 07, 15:00-16:45

Conference Hall of Romanian Academy, Iași Branch, Blvd. Carol I, nr. 8

Co-Chairs: Seizaburo Arita, Valentina E. Bălaș

Organizers: Marius M. Bălaș, Cătălin Stoean

Session 1: Regular Papers (15 minutes)

A Java Development Interface for Fuzzy-Interpolative Systems

Marius M. Bălaș, Valentina E. Bălaș, Alina Gal, Andrei Gaali

"Aurel Vlaicu" University of Arad, Romania

Fuzzy Voronoi Diagram for Fuzzy Numbers of Dimension Two

Dragos Arotăriței

"Gr.T. Popa" University of Medicine and Pharmacy of Iași, Romania

Fuzzy Control for Climate Controlled Spaces

Valentina Emilia Bălaș, Marius M. Bălaș

"Aurel Vlaicu" University of Arad, Romania

Medical Images Segmentation by means of Neutrosophy Paradigm and Dezert-Smarandache Theory

Hariton-Nicolae Costin^{1,2}, Cristian Rotariu^{1,2}

^{1,2}"Gr.T. Popa" University of Medicine and Pharmacy of Iași, Romania

^{1,2}Institute of Computer Science, Romanian Academy, Iași Branch, Romania

Neuro-fuzzy Models for bi-Taylor Approximation and Applications

Horia Nicolai Teodorescu^{1,2}

¹"Gheorghe Asachi" Technical University of Iași, Romania

²Institute of Computer Science, Romanian Academy, Iași Branch, Romania

Session 2: Short Paper (5 minutes)

On the Uncertainty in FLS from the Perspective of the Type-2 Fuzzy Sets

Silviu Ioniță

University of Pitesti, Romania

Roundtable: Current directions and future of fuzzy systems

Organisers: Marius Bălaș, Emil Sofron

III. Session Biomedical Signal Processing Invited Session

October 07, 15:00 - 16:45

Small Hall of the Iași Branch of the Romanian Academy

Organiser: Carmen Grigoraș Co-Chairs: Liviu Goraș

Session: Regular Papers (15 minutes)

A Class of 2D Filter Banks and their Applications in Biomedical Image Analysis

Radu Matei¹, Daniela Matei², Călin Corciova², V. Tataru¹

¹Faculty ETTI, Technical University of Iași, Romania

²Faculty of BME, University of Medicine and Pharmacy, Iași, Romania

Parametric Identification of ECG Signals for Arrhythmia Discrimination

Carmen Grigoraş^{1,2}, Victor Grigoraş³

¹“Gr.T. Popa” University of Medicine and Pharmacy of Iaşi, Faculty of Medical Bioengineering, Romania

² Institute of Computer Science, Romanian Academy, Iaşi Branch, Romania

³ Faculty of Electronics, Telecommunications and Information Technology, Technical University of Iaşi, Romania

On the Possibilities of ECG Signals Compressed Sensing

Monica Fira¹, Liviu Goraş^{1,2}, Nicolae Cleju², Constantin Barabaşa²

Institute of Computer Science, Romanian Academy, Iaşi Branch, Romania

Faculty of Electronics, Telecommunications and Information Technology,

“Gheorghe Asachi” Technical University of Iaşi, Romania

Vocal measurements for obstructive sleep apnea patients

Andrei Tudor Cernomaz, Daniela Boişteanu, Traian Mihăescu

“Gr.T. Popa” University of Medicine and Pharmacy of Iaşi, Romania

Using Self-Organizing Maps for the Discovery of Respiratory Events through HRV Analysis

Carmen Grigoraş^{1,2}, Alexandru Ailincutei³, Alexandru Păsărică³, Daniela Boişteanu⁴

¹“Gr.T. Popa” University of Medicine and Pharmacy of Iaşi, Romania

² Institute of Computer Science, Romanian Academy, Iaşi Branch, Romania

³“Gr.T. Popa” University of Medicine and Pharmacy of Iaşi, Faculty of Medical Bioengineering, Romania

⁴“Gr.T. Popa” University of Medicine and Pharmacy of Iaşi, Faculty of Medicine, Romania

IV. Image Processing

October 07, 17:00 – 18:30

Conference Hall of Romanian Academy, Iaşi Branch, Blvd. Carol I, nr. 8

Co-Chairs: Rodica Strungaru, Florin Rotaru

Session 1: Regular Papers (15 minutes)

Automated Bilateral Asymmetry Detection in Mammograms

Alina Sultana, Mihai Ciuc, Rodica Strungaru, Şerban Oprisescu, Laura Florea
University Politehnica of Bucharest, Romania

Automatic Texture-based Image Segmentation Technique

Tudor Barbu

Institute of Computer Science, Romanian Academy, Iaşi Branch, Romania

Information Fusion Techniques for Image Segmentation

Silviu Bejinariu, Florin Rotaru, Cristina Diana Niţă, Ramona Luca

Institute of Computer Science, Romanian Academy, Iaşi Branch, Romania

Session 2: Short Papers (5 minutes)

Single View 3D Pose Computation in Robot Vision Applications

Florin Rotaru, Simona Pescaru, Silviu Bejinariu, Cristina Diana Niță, Ramona Luca, Camelia Lazăr
Institute of Computer Science, Romanian Academy, Iași Branch, Romania

Improved Color Analysis and Feature Extraction Method for Digital Images

Adrian Ciobanu, Mihaela Costin
Institute of Computer Science, Romanian Academy, Iași Branch, Romania

V. OPTIMIZATION

October 07, 17:00 – 18:30

Technical University Magna Aula

Organizers: Adriana Sîrbu, Horia-Nicolai Teodorescu

Co-Chairs: Silvia Curteanu, Ioan Cleju

Session 1: Regular Papers (15 minutes)

Multimodal Optimization: Comparative Analysis of Niching Evolutionary Algorithms over Property-based Generated Functions Automatic

Cătălin Stoean¹, Mike Preuss², Ruxandra Stoean¹

¹University of Craiova, Romania

²TU Dortmund, Germany

A Novel Lossless Data Compression Algorithm Based on Polynomial Codes

Ioan Cleju, Adriana Sîrbu

Faculty of Electronics, Telecommunications and Information Technology,
“Gheorghe Asachi” Technical University of Iași, Romania

Modeling Methodology Based on Differential Evolution Algorithm Applied to a Series of Hydrogels

Elena-Niculina Drăgoi, Silvia Curteanu, Camelia Mihăilescu

“Gheorghe Asachi” Technical University of Iași, Romania

A Priori Landscape Analysis in bi-Objective Combinatorial Optimization

Emilia Tantar

FSTC, CSC, University of Luxembourg

Session 2: Short Paper (5 minutes)

2-D Cellular Automata for Image Density Classification Task

Petre Angheliescu, Silviu Ioniță

University of Pitesti, Faculty of Electronics, Communications and Computer Science, Romania

VI. MIVIAM – MIACSAM WORKSHOP

October 08, 09:00-10:00

Conference Hall of Romanian Academy, Iași Branch, Blvd. Carol I, nr. 8

Co-Chairs: Svetlana Cojocaru, Constantin Gaidric

Organizer: Alexandru Colesnicov, Horia-Nicolai Teodorescu

Session: Regular Papers (15 minutes)

System for Support of Scientific Management and Cooperation of Research

Institutions: Conceptual Approach

Natalia Bruc, Svetlana Cojocaru, Constantin Gaidric, Eugen Grabov,

Veceaslav Macari, Galina Magariu, Tatiana Verlan

Institute of Mathematics and Computer Science of Academy of Sciences of
Moldova

Knowledge Management Techniques in Medical Diagnostics Domain

Iulian Secrieru, Olga Popcova, Oleg Burlaca, Daniel Verlan

Institute of Mathematics and Computer Science of Academy of Sciences of
Moldova

Approaches of Computer-aid Decision-Making in Ultrasound Domain

Lyudmila Burtseva, Constantin Gaidric

Institute of Mathematics and Computer Science of Academy of Sciences of
Moldova

*On Simulation of Inflection Process in Romanian Language by P Systems with String
Replication*

Elena Boian, Svetlana Cojocaru, Veceaslav Macari, Galina Magariu, Tatiana
Verlan

Institute of Mathematics and Computer Science of Academy of Sciences of
Moldova

Modern Information Technologies in Computational Linguistics

Alexandru Colesnicov, Ludmila Malahov

Institute of Mathematics and Computer Science of Academy of Sciences of
Moldova

Roundtable: Toward Compatibility in Information Organization and Exchange in the
Academy of Sciences of R. Moldova and the Romanian Academy

Organizers: H. N. Teodorescu, Constantin Gaidric, Svetlana Cojocaru, Vasile Apopei

VII. **BIOMED**

October 08, 09:00-10:00

Technical University Magna Aula

Co-Chairs: Rodica Strungaru, Radu Negoescu

Organizer: Mihaela Ungureanu, Adrian Brezulianu

Session: Regular Papers (15 minutes)

Non-Invasive Fetal Extraction using Statistical Methods: a Comparison of PCA and ICA

Cătălin Stancioi¹, Werner Wolf², Rodica Strungaru¹, Ilinca Gussi³, Mihaela Ungureanu¹

¹Politehnica University of Bucharest, Romania

²Universitaet der Bundeswehr, Neubiberg, Germany

³"Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania

Subclinical Applications of Beat-by-Beat Qt Time Series and its Variability in Spectral Domain. A Review

Radu Negoescu

National Institute of Public Health, Bucharest, Romania

On the Compressed Sensing of ECG Signals and their Reconstruction Using Genetic Algorithms

Monica Fira¹, Adrian Brezulianu², Liviu Goraș^{1,2}, Lucian Fira²

¹Institute of Computer Science, Romanian Academy, Iași Branch, Romania

²Faculty of Electronics, Telecommunications and Information Technology,

"Gheorghe Asachi" Technical University of Iași, Romania

Nonlinear Dynamics Parameters and K-Means Clustering Algorithm Used in DBS Treatments Analysis Results

Oana Geman¹, Ciprian Zamfir²

¹University "Stefan cel Mare" Suceava, Romania

²"Gheorghe Asachi" Technical University of Iași, Romania

Influence of the Calcium Buffers of a Layer 5 Burst Firing Neocortical Cell on its Discharge Pattern

Otilia Păduraru

Institute of Computer Science, Romanian Academy, Iași Branch, Romania

VIII. INTELLIGENT SYSTEMS

October 08, 9:00 – 10:00

Small Hall of the Iasi Branch of the Romanian Academy

Co-Chairs: Emil Sofron, Dorel Aiordăchioaie

Session 1: Regular Papers (15 minutes)

Low Frequency Ripple Mitigation of the Fuel Cell Inverter System Using a Controlled Buck Current Source – Part I: Hysteretic Control

Nicu Bizon, Emil Sofron, Marian Raducu
University of Pitesti, Romania

Low Frequency Ripple Mitigation of the Fuel Cell Inverter System Using a Controlled Buck Current Source – Part II: Nonlinear Control

Nicu Bizon, Emil Sofron, Mihai Oproescu
University of Pitesti, Romania

On Identification of Transmission Channels for Sonar Based Application

Dorel Aiordăchioaie
Dunărea de Jos Galati University, Romania

Human-Machine Interface with 3D Capacitive Sensor

Marius Hagan^{1,2}, Alin Matei¹
¹Technical University of Iași, Romania
²SC Ramira SA, Baia Mare, Romania

Session 2: Short papers (5 minutes)

Elaboration of Millimeter Wave Generator with Flexible Parameters

Sainsus Iurie, Dîntu Maria, Conev Alexei, Russev Iurie, Piatîghin Serghei,
Babac Vladimir
Institute of Electronic Engineering and Nanotechnologies of Academy of
Sciences of Moldova

Benchmark for Testing Brushless Electrical Motors

Victor Nascov, Doru Ursuțiu, Cornel Samoilă
Transylvania University from Brașov, Brasov, Romania

DNA Alternative Security

Mircea-Florin Vaida, Radu Terec, Olga Tornea, Alexandra Vanea
Technical University of Cluj-Napoca, Romania

IX. WEB AND ADVANCED COMPUTING

October 08: 10:15 – 11:45
Technical University Magna Aula
Co-Chairs: Constantin Găindric, Mircea Giugiu
Organizer: Mitică Craus

Session 1: Regular Papers (15 minutes)

Improving Mapping Heuristics in Heterogeneous Computing
Adrian Alexandrescu, Mitică Craus
“Gheorghe Asachi” Technical University of Iași, Romania

An Analysis of Web Clustering
Ioan Agavriloaei, Mitică Craus
“Gheorghe Asachi” Technical University of Iași, Romania

Session 2: Short paper (5 minutes)

Techniques for Efficient Resource Management on Shared Clusters
Cristian-Mihai Amarandei, Andrei Rusan
Department of Computer Science and Engineering, “Gheorghe Asachi”
Technical University of Iași, Romania

X. POSTER SESSION

October 08, 10:15 - 11:45
Hall of the Technical University of Iași
Co-Chairs: Mircea-Florin Vaida, N. Curteanu, S. Bejinariu

The SCD Parsing Method Applied to Romanian, French, and German Thesauri
Neculai Curteanu, Mihai Moruz, Diana Trandabăț
Institute of Computer Science, Romanian Academy, Iași Branch, Romania

Formalization of Paradigms in Metalingua. Towards a Knowledge Representation Framework Based on Brain Informatics and Fundamenta Mathematica
Ioachim Druguș
Academy of Sciences of the Republic of Moldova and Semantic Soft, Inc.

Levels of Finite Clause Parsing: Implications and Applications
Cristina Butnariu, Neculai Curteanu, Cecilia Bolea
Institute of Computer Science, Romanian Academy, Iași Branch, Romania

On the Uncertainty in FLS from the Perspective of the Type-2 Fuzzy Sets
Silviu Ioniță
University of Pitesti, Romania

- Single View 3D Pose Computation in Robot Vision Applications*
Florin Rotaru, Simona Pescaru, Silviu Bejinariu, Cristina Diana Niță, Ramona Luca, Camelia Lazăr
Institute of Computer Science, Romanian Academy, Iași Branch, Romania
- Improved Color Analysis and Feature Extraction Method for Digital Images*
Adrian Ciobanu, Mihaela Costin
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- 2-D Cellular Automata for Image Density Classification Task*
Petre Anghelescu, Silviu Ionita
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- Elaboration of Millimeter Wave Generator with Flexible Parameters*
Sainsus Iurie, Dîntu Maria, Conev Alexei, Russev Iurie, Piatîghin Serghei, Babac Vladimir
Institute of Electronic Engineering and Nanotechnologies of Academy of Sciences of Moldova
- Benchmark for Testing Brushless Electrical Motors*
Victor Nascov, Doru Ursuțiu, Cornel Samoilă
Transylvania University from Brașov, Brașov, Romania
- DNA Alternative Security*
Mircea-Florin Vaida, Radu Terec, Olga Tornea, Alexandra Vanea
Technical University of Cluj-Napoca, Romania
- Techniques for Efficient Resource Management on Shared Clusters*
Cristian-Mihai Amarandei, Andrei Rusan
Department of Computer Science and Engineering, "Gheorghe Asachi"
Technical University of Iași, Romania
- Methodology and the Instrument for Statistic Analysis of the Romanian Language for a Population Selection*
Ioan Păvăloi, Horia-Nicolai Teodorescu, Monica Feraru
Institute of Computer Science, Romanian Academy, Iași Branch, Romania
- Investigation of the /v/ pronunciation for the Romanian language*
Alina Untu, "Gheorghe Asachi" Technical University of Iași, Romania

Reviewers

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Cojocaru Victor
Craus Mitică
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Feraru Monica
Fira Monica
Goraș Liviu
Grigoraș Carmen
Grigoraș Victor
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Păvăloi Ioan
Pistol Laura
Rotaru Florin
Sirbu Adriana
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Tantar Emilia
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Ungureanu Mihaela
Ungureanu Paul
Untu Alina
Ursaru Ovidiu
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Zbancioc Marius