

IIS 2013 - International Conference on Intelligent Information Systems

August 20-23, 2013, Chisinau, Republic of Moldova

Organizer: Institute of Mathematics and Computer Science of the Academy of Sciences of Moldova in co-operation with the Information Society Development Institute.

Partially sponsored by V. A. Albu.

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Timetable and Program

Tuesday, August 20

Place:

Central Scientific Library of Academy of Sciences of Moldova

Address:

5a, Academiei street, Chisinau, Republic of Moldova, MD 2028

09:00 – 09:30 Registration

Common session of CMC14 and IIS 2013

09:30 – 10:00 Opening Session (chairs Svetlana Cojocaru and Yurii Rogozhin)

10:00 – 11:00 *Jozef Gruska.*

New vision and future of informatics (invited talk)

11:00 – 11:30 Coffee Break

11.30 – 12:30 *Gheorghe Păun.*

Some open problems about catalytic, numerical, and spiking neural P systems (invited talk)

12.30 – 13:30 *Dan Tufis, Radu Ion, Stefan Daniel Dumitrescu.*

Wiki-Translator: Multilingual Experiments for In-Domain Translations (invited talk)

13:30 – 15:00 Lunch

Students' session. (IMCS, office 311)

Chairs: Galina Magariu, Tatiana Verlan

15:00 – 15:15 *Oxana Hotea, Adrian Groza.*

Reasoning on Semantic Sensor Streams for Smart City

15:15 – 15:30 *Mykola Kostikov.*

Decomposing Morphological Rules of Polish for Adaptive Language Learning

15:30 – 15:45 *Irina Frinea.*

Tools of exploratory data analysis for ultrasound investigations

- 15:45 – 16:00** *Valeriy Abashin, Aleksander Pilipenko.*
Prediction of medical conditions of the person on the basis of data on urbanosferas
- 16:00 – 16:15** *Natalia Bruc.*
Medical image ontologies
- 16:15 – 16:30** *Aleksandr Demidov.*
Modeling of Access Control System of Gas Transportation Enterprise Portals
- 16:30 – 16:45** *Natalya Morosanova.*
Uncertain Reasoning Models Transformations For a Model Selection
- 16:45 – 17:00** *Daria Stelmashenko.*
Extraction of rules from the process of merging formal contexts

Discussions

Wednesday, August 21

Place:

Institute of Mathematics and Computer Science of the Academy of Sciences of Moldova (IMCS)

Address:

5, Academiei street, Chisinau, Republic of Moldova, MD 2028

Special session dedicated to Yurii Pechersky (office 340)

Chairs: Constantin Gaidric, Sergey Soloviev

- 09:00 – 09:30** *Constantin Gaidric.*
Yuri Nikolayevich Pechersky. Introduction to the memories of his colleagues, students, and friends
- 09:30 – 09:50** *Veaceslav Albu, Alexei Averkin.*
In memoriam of Yuri Nikolayevich Pechersky
- 09:50 – 10:10** *Alexei Averkin.*
Artificial Intelligent and Cognitive sciences

10:10 – 10:30 *Gennady Ginkul, Sergey Soloviev.*
The Quoting-Based Algorithm for Cooperative
Decision Making in Production Systems

10:30 – 10:40 *Gennady Ginkul, Sergey Soloviev.*
Our Pechersky

10:40 – 10:50 *Vsevolod Arnaut.*
A Good Farmer Makes a Good Farm

10:50 – 11:00 *Vladimir Levenco.*
In memoriam of Yu. N. Pechersky

11:00 – 11:30 **Coffee Break**

Chairs: Veaceslav Albu, Alexei Averkin

11:30 – 11:50 *Gennady Andrienko, Natalia Andrienko.*
Visual Analytics of Movement: a short Introduction

11:50 – 12:00 *Gennady Andrienko, Natalia Andrienko.*
Thankful memories of Yuri Nikolayevich

12:00 – 12:20 *Anna Yankovskaya, Sergei Kitler.*
Mental Disorder Diagnostic System Based on Logical-
Combinatorial Methods of Pattern Recognition

12:20 – 12:30 *Anna Yankovskaya.*
Yuri Pechersky, the outstanding scientist and organizer
of All-Union workshop COLOM, a remarkable person
and friend

12:30 – 12:45 *S. Ulyanov.*
Technology of soft and quantum computations in
intelligent control

12:45 – 13:00 *Valery Tarassov.*
Cognitive Computing: on Fundamental Problems of
Information Granulation Theory in Artificial
Intelligence

13:00 – 13:15 *Alyona Fedotova, Valery Tarassov.*
Knowledge Management in Product Lifecycle:
Development and Interpretation of Granular Spiral
Model

13:15 – 14:30 Lunch

Regular session I (office 340)

Chairs: Horațiu Dragomirescu, Neculai Curteanu

14:30 – 15:15 *Horațiu Dragomirescu, Florin Gheorghe Filip.*

Steering the information society development as a vision-based, multi-stakeholder process (invited talk)

15:15 – 15:35 *Neculai Curteanu, Alex Moruz, Svetlana Cojocaru.*

Formalization of a General SCD-based Parser for Dictionaries Using Parametrized Grammars

15:35 – 15:55 *Silviu Ioan Bejinariu, Mihaela Costin, Adrian Ciobanu, Svetlana Cojocaru.*

Similarities Identification in Logo Images

15:55 – 16:15 *V. Vagin.*

Generalization systems in noisy data bases

16:15 – 16:45 Coffee Break

16:45 – 17:05 *Elena Boian, Constantin Ciubotaru, Svetlana Cojocaru, Alexandru Colesnicov, Ludmila Malahov, Mircea Petic.*

Language Technology and Resources for Cultural and Historic Heritage Digitalization

17:05 – 17:25 *Albert Voronin.*

Multicriteria Allocation of Limited Resources

17:25 – 17:45 *Daniela Gîfu, Rodolfo Delmonte.*

Pragmatics of journalistic discourse

17:45 – 18:05 *Alexei Muravitsky.*

Consequence Operators Related to Logical Friendliness (on-line)

Thursday, August 22

Regular session II (office 340)

Chairs: Milan Tuba, Igor Cojocar

09:00 – 09:30 *Milan Tuba.*

Swarm Intelligence Algorithms Search Capabilities
(invited talk)

09:30 – 09:50 *Lyudmila Burtseva.*

Modern developments of the automatic annotations of
medical images

09:50 – 10:10 *Constantin Gaidric, Iulian Secrieru, Olga Popcova,
Svetlana Ţurcan.*

Concept of computer-aided tools for diagnostics and
classification of early stages of non-alcoholic fatty
liver disease

10:10 – 10:30 *Igor Cojocar.*

Knowledge Networking – A Promising Tool for
Developing Moldova's R&D Potential

10:30 – 10:50 *Alexandru Popov, Maria Butnar, Ana Capatana,
Gheorghe Capatana.*

e-Learning System “Mental and Behavioral disorders
in epilepsy”

Discussions

11:00 – 11:30 Coffee Break

11:30 – 11:50 *Peter Bogatencov, Boris Rybakin, Grigore Secrieru,
Nicolai Iliuha.*

Utilization of the Computational Resources Provided
by HP-SEE Project

11:50 – 12:10 *Boris Rybakin, Grigore Secrieru, Elena Gutuleac.*

Numerical analysis of reaction of buried charge to
explosive or seismic loading

12:10 – 12:30 *Victoria Maxim, Victoria Lazu, Victoria Bobicev.*

Developing a Question Answering System

12:30 – 12:50 *Larisa Pşenicinîi, Lidia Popov.*

Examiner – Software Product for Students' Knowledge
Assessment

12:50 – 13:10 *Verginica Barbu Mititelu.*

Increasing the Effectiveness of the Romanian Wordnet
in NLP Applications

Discussions

13:30 – 15:00 Lunch

15:00 – Social program

Friday, August 23

Regular session III (office 340)

Chairs: Ion Bolun, Valeriu Ungureanu

09:00 – 09:20 *Ion Bolun, Sergiu Cebotari.*

The optimal value of one monotone method divisor for
PR voting systems

09:20 – 09:40 *Victoria Lozan, Valeriu Ungureanu.*

Stackelberg equilibria set in multi-matrix mixed
strategy games

09:40 – 10:00 *Valeriu Ungureanu.*

Mathematical Theory of Pareto-Nash-Stackelberg
Processes

10:00 – 10:20 *Andrei Rusu.*

Infinitely many precomplete relative to parametric
expressibility classes of formulas in a provability logic

10:20 – 10:40 *Dmitry Topolsky, Irina Topolskaya, Nikita Topolsky.*

Modeling and calculating of electrotechnical systems
in ScilaB

10:40 – 11:00 *Vadim Volkov, Aleksey Frolov.*

System Questions of Automation Control of Processes
of Rendering Electronic Services to the Population on
the Basis of Administrative Monitoring Data

11:00 – 11:30 Coffee Break

11:30 – 11:50 *Inga Titchiev, Nicolae Iliuha, Mircea Petic.*

Workflow Petri nets used in modeling of Parallel architectures

11:50 – 12:10 *Albert Voronin.*

Multicriteria Allocation of Limited Resources

12:10 – 12:30 *Olga Savina, Tatiana Savva.*

About new modification of Petri nets with dynamic weights of tokens

12:30 – 12:50 *Dmitry Lande, Andrei Snarskii.*

Compactified HVG for the Language Network

Best paper award

Closing Ceremony