S C H E D U L E
(<u>According to Chişinău Time Zone</u>)

<u>Friday, December 4</u>

REGISTRATION:
9.00 – 10.00   **Vladimir Andrunachievici Institute of Mathematics and Computer Science**
Address: 5, Academiei str., Chişinău, room 340

Plenary Lectures

10.00 – 10.30   **Stefan Pickl**
AI-Based Processes for Complex Triage Operations

10.30 – 11.00   **Andrei Alexandru**
Finitely Supported Structures: A Framework for Computing within Infinite Structures

11.00 – 11.15   **BREAK**

SECTION 1
Moderator: Cor. Mem. Constantin GAINDRIC

11.15 – 11.30   **Marian Sorin Nistor, Van Loi Cao, Truong Son Pham, Stefan Pickl, Constantin Gaindric, Svetlana Cojocaru**
Introducing an AI-based Response Framework for Mass Casualty Management

11.30 – 11.45   **Constantin Gaindric, Olga Popcova, Sergiu Puiu, Iulian Secrieru, Elena Gutuleac, Svetlana Cojocaru**
An approach to structure information regarding patient diagnostics in the form of taxonomy in management of mass casualty disasters

11.45 – 12.00   **Iulian Secrieru, Elena Gutuleac, Olga Popcova**
Regional intelligent data warehouse for DLD cases

12.00 – 12.15   **Alexandr Golubev**

DICOM image optimization for CLOUD solutions, Open science platforms and mobile systems

12.15 – 12.30   **Alexandr Golubev, Petru Bogatencov, Grigore Secrieru, Ecaterina Matenco**
Incident Handling and Personal Data Protection in Medical Images systems

12.30 – 12.45   **Monica-Lavinia Nedelcea, Adriana Albu**
Scheduler for the Management of Medical Treatments

12.45 – 13.00   **Grigore Varaniță, Ilie Costaș, Anatol Godonoagă**
Methodology and models of assessment of costs necessary for development of electronic communications infrastructure

13.00 – 13.15   **Aurelian Buzdugan, Gheorghe Capatana**
Decision support systems for cyber risk management

13.15 – 13.30   **Veaceslav Albu**
A Road Map for an Informational Ontology of Information/Energy/Matter' Homeostatic Unity Inspired by Information Catastrophe

13.30 – 13.45   **BREAK**

SECTION 2
Moderator: Dr. Inga ȚIȚCHIEV

13.45 - 14.00   **Boris Rybakin, Valery Goryachev, Marina Kravchenko, Luben Stamov**
Modeling of the Process of Oil Reservoir Secondary Drilling-in with Explosive Charge

14.00 - 14.15   **Vladimir Melnic, Irina Cojuhari**
Experimental Identification of the Mathematical Model of the DC Motor based on the Genetic Algorithm

14.15 - 14.30   **Volodymyr G. Skobelev, Volodymyr V. Skobelev**
On Degrading Systems Modeling via Finite Markov Chains

14.30 - 14.45   **Dmytro Krukovets**
Analysis of similarity between artificially simulated time series with Dynamic Time Warping

14.45 - 15.00   **Ion Bolun**
A criterion for estimating the favoring of beneficiaries in apportionments

15.00 - 15.15   **Inga Titchiev**
Parallel architecture and software by workflow Petri nets

15.15 - 15.30   **Constantin Ciubotaru**
Generation and visualization of graphical representations of finite automata

15.30 - 15.45   **Andrei Rusu, Elena Rusu**
On weak-functionally complete systems of formulas containing paraconsistent negation in a paraconsistent logic

15.45 - 16.00   **Petr Radilov, Victor Shcherbacov, Irina Schvediuk**
About Gonsales-Couselo-Markov-Nechaev construction of orthogonal squares

16.00 – 16.15   **BREAK**

SECTION 3
Moderator: Cor. Mem. Svetlana COJOCARU

16.15 – 16.30   **Alexandru Colesnicov, Svetlana Cojocaru, Ludmila Malahov, Lyudmila Burtseva**
On convergent technology in development of information systems for processing of documents with heterogeneous content

16.30 – 16.45   **Victoria Bobicev, Cătălina Mărănduc**
Non Standard Treebank Parsing

16.45 – 17.00   **Olesea Caftanatov, Ludmila Malahov**
Researching and valorizing the lexicon of the Romanian Language in a general Romanian context

17.00 – 17.15   **Mircea Petic, Adela Gorea, Ina Ciobanu**
Important aspects in assessing the credibility of unstructured information

17.15 – 17.30   **Alexandr Parahonco, Mircea Petic, Corina Negara**
The model of Web crawler for expansion the scope of initial search

17.30 – 17.45   **Victor Popa, Irina Cojuhari**
The Intelligent Robotic System for Text Typing based on the Image Processing

17.45 – 18.00   **Vasili Braga, Dumitru Ciorbă, Irina Cojuhari**
TinyAPL – Agent Oriented Programming Language Architecture

18.00 – 18.15   **Yevhenii Orlov**
Wavelet based video scene cut detection

18.15 – 18.30   **Nichita Degteariov, Petru Bogatencov, Nicolai Iliuha, Grigore Secrieru**
Upgrading Cloud Infrastructure for Research Activities Support