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

Link to connect online:
https://vc.math.md/b/ing-gkk-qgx-wnq

<u>Thursday, October 16</u>

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

Plenary Lectures

Moderator: Dr. Inga ȚIȚCHIEV

10.00 – 10.10   **Opening**

10.10 – 10.40   **Agata Savary**
Quantification of diversity in natural language processing

10.40 – 11.10   **Marilena Ianculescu**
Next-Generation e-Health Systems: Predictive and Context-Aware Monitoring for Ageing Populations

11.10 – 11.30   **BREAK**

SECTION 1
Moderator: Olesea CAFTANATOV

11.30 – 11.50   **Olesea Caftanatov, Svetlana Cojocaru, Ludmila Malahov, Atul Kr. Ojha, Mircea Petic**
Digitizing of Bessarabian Folklore: From Textual Heritage to Digital Corpus

11.50 – 12.10   **Parahonco Alexandr, Caftanatov Olesea, Bumbu Tudor, Marius Cirescu, Degteariov Nichita**
AI Guguta: A Culturally Attuned Voice Tutor Powered by Reasoning LLMs

12.10 - 12.30   **Vlada Colesnicova, Inga Titchiev, Argentina Fron, Daniela Caganovschi, Olesea Caftanatov, Alexandru Colesnicov**
Comparative Evaluation of AI-Powered Image Generation Platforms

12.30 – 12.50   **Inga Titchiev, Olesea Caftanatov, Dan Dancuta, Arcadie Fron, Dimitrii Bumbac**
Cultivating Awareness: Using Augmented Reality to Combat Plant Blindness in Home Environments

12.50 – 14.00   LUNCH

SECTION 2
Moderator: Dr. Liudmila BURTSEVA

14.00 – 14.20   **Cristian Cemîrtan**
An Apriori-Based Recommendation System for Grocery Stores

14.20 - 14.40   **Olga Popcova, Elena Guțuleac, Iulian Secrieru, Carolina Țâmbală**
Maintaining the value of data/knowledge assets in medical diagnostics: an exploratory study

14.40 – 15.00   **Mario Lefebvre**
A queuing model with arrivals according to a two-dimensional diffusion process

15.00 – 15.20   **Ion Bolun**
Message segmentation vs. latency in computer networks

15.20 – 15.40   **Andrei Rusu, Elena Rusu, Iulian Secrieru, Olga Popcova, Elena Guțuleac**
Concept of a scoring system as a solution for minimization of possible conflicts in university timetable

15.40 – 16.00   BREAK

SECTION 3
Moderator: Dr. Tudor BUMBU

16.00 – 16.20   **Victor Moraru, Emilian Guțuleac, Simion Cuzmin**
A Cloud-based IoMT Systems Performability Analysis Based on Stochastic Reward Net with Fuzzy Parameters

16.20 – 16.40   **Constantin Gaindric**
Interoperability in the contemporary healthcare system

16.40 - 17.00   **Gheorghița Irina**
Implementation of Artificial Intelligence in School Education

17.00 – 17.20   **Ungureanu Valeriu**
The 3×2A Strategy for Societal Adaptation in the GenAI Era: A Framework for Human–AI Synergy

17.20 – 17.40   **Constantin Ciubotaru**
Some Modifications of the Demoucron-Malgrange-Pertuiset Algorithm for Testing Planarity of Undirected Graphs

17.40 – 18.00   **Radameș Evdochimov**
State of the Art in Big Data Processing, Microservices Architectures, and Explainable Artificial Intelligence for the Insurance Industry

18.00 – 18.20   **Veaceslav Albu**
Infogravity Theory: Information--Gravity Dualism and the Emergent Quantum-Gravitational Fabric of Space--Time in a Computational Fractal Universe

Friday, October 17

Plenary Lectures

Moderator: Acad. Svetlana COJOCARU

10.00 – 10.40   **Andrea Sgarro**
Information measures for digital humanities: a tribute to Solomon Marcus

SECTION 4
Moderator: Alexandr PARAHONCO

10.40 - 11.00   **Olesea Caftanatov, Marius Cerescu, Valentina Demidova, Tatiana Verlan**
An approach to AI visualization of the problems from OHA'Cinic

11.00 - 11.20   **Tudor Bumbu, Liudmila Burtseva, Svetlana Cojocaru, Alexandru Colesnicov, Ludmila Malahov**
On employing historical fonts generation for PostOCR correction

11.20 - 11.40   **Evghenia Morozova, Victoria Bobicev**
Demagoguery and its Automatic Recognition in Texts

11.40 – 12.00   BREAK

12.00 - 12.20   **Maia Kuzmitkaia, Alexandr Moroz, Victoria Bobicev**
Text Detoxification

12.20 - 12.40   **Bogatencov Petru**
Adaptive Computing Infrastructure for Support Research and Education

12.40 – 14.00   LUNCH

Plenary Lectures

Moderator: Dr. Mircea PETIC

14.00 – 14.40   Liviu P. Dinu
Towards a computational map of similarities and changes in the Romanian language

SECTION 5
Moderator: Dr. Mircea PETIC, Dr. Adrian IFTENE

14.40 - 15.00   **George-Gabriel Constantinescu, Adrian Iftene**
Intelligent Decision Support in XR-Based Medical and Educational Systems

15.00 - 15.20   **Tudor Iftene, Adrian Iftene, Dana Dănciulescu**
Synthetic Consciousness for Adaptive Chess: Enhancing Interactive Learning on Mobile Platforms

15.20 - 15.40   **Dorel Lucanu**
Quotient Sorts in Matching Logic

15.40 - 16.00   **Maria-Ecaterina Olariu, Adrian Iftene**
A Multi-Dimensional Requirements Analysis for Developing Artificial Intelligence for Healthcare

16.00 - 16.20   **Florin Olariu, Tudor Pasat**
Serverless GPT-Powered Tutoring for Romanian High-School Math

16.20 – 16.40   BREAK

SECTION 6
Moderator: Dr. Adrian IFTENE, Dr. Mircea PETIC

16.40 - 17.00   **Alina Duca, Adrian Iftene**
VR Chatbots in Education: Chemistry Laboratory

17.00 - 17.20   **Elena-Ecaterina Opait, Adrian Iftene**
Hybrid Assessment Strategies for VR Biomedical Education

17.20 - 17.40   **Cosmin Irimia, Adrian Iftene**
Integrated Platform for Managing Access to Research Infrastructure

17.40 - 18.00   **Cosmin Iulian Irimia, Madalin Andrei Matei**
Unsupervised Deep Learning for Web Server Log Anomaly Detection

18.00 - 18.20   **Maria Nestor**
Exploratory Analysis of Dependencies and Formant Correlations in Continuous Romanian Speech

Saturday, October 18

10.00 - 16.00   Trip to Poiana Winery