

SCHEDULE

(According to Chişinău Time Zone, GMT +2)

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

Thursday, October 19, 2023

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 **Florin Gheorghe FILIP**
*Do Automation and Artificial Intelligence Contribute to Improving
Human Wellbeing, Resilience, and Collaboration?*

10.40 – 11.10 **Adrian IFTENE**
*Should Doctors Feel Threatened by Artificial Intelligence?
What to expect from AI in the Medical Field in the Future?*

11.10 – 11.30 **BREAK**

SECTION 1

**Moderator: Cor. Mem. Constantin GAINDRIC, dr. Elena
GUȚULEAC**

11.30 – 11.45 **Iulian Secrieru, Elena Guțuleac and Olga Popcova**
*Challenges and solutions for ill-structured medical data
processing in mass casualty situations*

11.45 – 12.00 **Constantin Gaindric, Galina Magariu and Tatiana Verlan**
On some aspects of medical data quality

- 12.00 – 12.15** **Radu Melnic, Natalia Şestenco, Constantin Ababii, Vadim Struna, Victor Laşco**
Multi-Agent Coalition Systems for Multi-Goal Decision-Making
- 12.15 – 12.30** **Alexandru Popov, Mariana Butnaru, Ana Căpăţână, Gheorghe Căpăţână**
The Similarity of Mental and Behavioural Disorders in Epilepsy
- 12.30 – 12.45** **Peter Bogatencov and Nichita Degteariov**
Integrated e-Infrastructure for support research and educational activities
- 12.45 – 14.00** **BREAK**

SECTION 2

Moderator: dr. Inga ȚIȚCHIEV, Olesea CAFTANATOV

- 14.00 – 14.15** **Inga Titchiev, Olesea Caftanatov, Dan Talambuta**
Improving augmented reality experiences for application development
- 14.15 – 14.30** **George-Gabriel Constantinescu and Adrian Iftene**
Wizard Virtual Reality Game
- 14.30 – 14.45** **Corina Dimitriu, Leonard Rumegeha, Bianca Buzilă, Bogdan Florea, Dragos, Silion and Adrian Iftene**
Spot the Story. Blending Augmented Reality Storytelling and Social Awareness
- 14.45 – 15.00** **Popukaylo Vladimir and Shmelyova Anastasiya**
Application of the multidimensional point distribution method in machine learning tasks with imbalanced data
- 15.00 – 15.15** **Anastasia Maidacenco and Corina Negara**
Integrating Modern Technology into Scientific Research: Harnessing Ensemble Methods and High-Level Algorithms
- 15.15 – 15.30** **Alexandr Ziziuchin, Victor Ababii and Viorel Cărbune**
Decision Support System for Monitoring of Patients with Diabetes
- 15.30 – 15.45** **Andrei Rusu and Elena Rusu**
On some pre-complete relative to positive expressibility classes of formulas in the 8-valued para-consistent extension of the logic S5
- 15.45 – 16.00** **Veaceslav Albu**
Infogravity: How the Universe's Evolutionary Information Possibly Explains Emergent Quantum Gravity and Fabric of Space-Time
- 16.00 - 16.15** **Gabriela Cristina Brănoaea**
Applications of Artificial Intelligence in mathematics classes

Friday, October 20, 2023

Plenary Lectures

Moderator: Cor. Mem. Svetlana COJOCARU

- 10.00 – 10.30** **Nataliya PANKRATOVA**
Guaranteed functioning of cyber-physical systems. Models, methods, digital twins.
- 10.30 – 11.00** **Stefan Wolfgang PICKL**
Data-driven decision support in complex situations- IRIS Integrated Reachback Information System: Case Study: Data-driven Decision Support and Sector-based Optimization with the management cockpit IDEA4C
- 11.00 – 11.30** **Sergiu IVANOV**
P Systems with Reactive Membranes

SECTION 3

Moderator: dr. Mircea PETIC, dr. Tudor BUMBU

- 11.30 – 11.45** **Tudor Bumbu, Lyudmila Burtseva, Svetlana Cojocaru, Alexandru Colesnicov and Ludmila Malahov**
Revitalization of Scientific Publications by HeDy
- 11.45 – 12.00** **Alexandr Parahonco and Mircea Petic**
Different aspects on extractive text summarization as a part of content generation for e-courses
- 12.00 – 12.15** **Ciprian Gabriel Cusmuluc**
Fake news detection: an overview
- 12.15 – 12.30** **Lucia Georgiana Cusmuluc**
Detecting anomalies in images: an overview
- 12.30 – 12.45** **Silion Dragoş**
Institutional Mixed Reality Digital Transformation using Digital Twins
- 12.45 – 13.00** **Ciprian Amaritei**
Enhancing Interaction Design in AI-Powered Systems
- 13.00 – 13.15** **Olesea Boroza**
Safety System for Robotic Processes Based on Voice Emotion Recognition
- 13.15 – 14.15** **BREAK**

SECTION 4

Moderator: dr. hab. Victor SHCHERBACOV

14.15 - 14.30

Mario Lefebvre

An optimal control problem for a modified M/G/k queueing system

14.30 - 14.45

Kuznetsov Eugene

Error-correcting codes and loop transversals in groups