

# SCHEDULE

(According to Chişinău Time Zone)

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

**Thursday, October 06**

## 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**      **Alexei Averkin**  
*Explainable Artificial Intelligence*

**10.40 – 11.10**      **Horia-Nicolai Teodorescu**  
*Why fuzzy logic systems (FLS) are difficult to tame:  
General FLS are not expressed by algebraic operations*

**11.10 – 11.30**      **BREAK**

## SECTION 1

**Moderator: Cor. Mem. Constantin GAINDRIC**

**11.30 – 11.50**      **Iulian Secrieru, Constantin Gaindric, Elena Guţuleac, Olga Popcova,  
Tudor Bumbu**  
*Formalization of decision knowledge and reasoning for casualty  
prioritizing*

**11.50 - 12.10**      **Olesea Caftanatov, Tudor Bumbu**  
*Tools for Triaging in Mass Casualty Incidents*

**12.10 – 12.30**      **Mustapha Bourahla**  
*Monitor city-wide sewage systems using the Internet of Things and eXplainable Artificial Intelligence*

**12.30 – 12.50**      **Petru Bogatencov, Grigore Secrieru, Radu Buzatu, Nichita Degteariov**  
*Distributed computing infrastructure for complex applications development*

**12.50 – 14.00**      **BREAK**

## **SECTION 2**

**Moderator: Dr. Inga ȚIȚCHIEV**

**14.00 – 14.20**      **Olesea Caftanatov, Inga Titchiev, Veronica Iamandi, Dan Talambuta, Daniela Caganovschi**  
*Developing augmented artifacts based on learning style approach*

**14.20 - 14.40**      **Adela Gorea, Alexandr Carpenco**  
*Application of Predictive Methods in the Analysis of Data Sets Regarding the Pandemic Caused by COVID 19*

**14.40 - 15.00**      **Alexandr Parahonco, Mircea Petic**  
*Elearning content processing situations and their solutions*

**15.00 – 15.20**      **Boris Hâncu**  
*Data parallelization on HPC systems for modeling decision-making problems*

**15.20 – 15.40**      **Veaceslav Albu**  
*The Universe as a Universal Quantum Computer: A Road Map for Its Possible Architecture*

## **Friday, October 07**

### **Plenary Lectures**

#### **Moderator: Cor. Mem. Svetlana COJOCARU**

**10.30 – 11.10**      **Stefan Kramer**  
*Machine Learning Under Real-World Constraints*

### **SECTION 3**

**11.10 - 11.30**      **Alexandru Colesnicov, Ludmila Malahov, Svetlana Cojocaru, Lyudmila Burtseva, Tudor Bumbu**  
*Development of a platform for heterogeneous document recognition using convergent technology*

**11.30 - 11.50**      **Ionut-Alexandru Hristea, Adrian Iftene**  
*OCR: Handwrite Recognition*

**11.50 - 12.10**      **Corina Negara, Ina Ciobanu, Anton Chiverciuc**  
*Development of a plagiarism detection system in textual documents*

**12.10 - 12.30**      **Paula-Luiza Balint, Adrian Iftene**  
*Mooding - Emotion Detection and Recommendation System*

**12.30 – 12.50**      **Constantin Gaidric, Galina Magariu, Tatiana Verlan**  
*Data in the technologies of modern society*

**12.50 – 14.00**      **BREAK**

### **SECTION 4**

#### **Moderator: Dr.hab. Victor SHCHERBACOV**

**14.00 - 14.20**      **Volodymyr G. Skobelev, Volodymyr V. Skobelev**  
*Models of attacks against power grids: a short survey*

**14.20 - 14.40**      **Victor Shcherbacov, Valentina Demidova, Petr Radilov**  
*Simple Stein medial quasigroups*

**14.40 - 15.00**      **Victor Shcherbacov, Irina Shvedyuk, Nadeghda Malyutina**  
*T-quasigroups with Stein 3-rd law*

**Saturday, October 08**

**08.00 - 15.00 Trip to Mircesti Winery**