

Report on celebration of the 3rd World Logic Day in Ukraine in cooperation with Moldova and Romania

Every year the celebration of the World Logic Day in Ukraine becomes more and more popular, it expands the scope and gains new features.

The 3rd World Logic Day in Ukraine was organized in cooperation with colleagues from Moldova and Romania Profs. Svetlana Cojocaru, Ioachim Drugus, and Adrian Iftene.

This is quite natural cooperation because our countries are situated on the site of Cucuteni-Trypillia pre-ancient culture. It is said to be the oldest civilization of Europe.

We extended the World Logic Day beyond pure logic including into its program Computer Science and Artificial Intelligence which are essentially based on logic.

Thus, together we organized

- VI International Conference on Mathematical Foundations of Informatics MFOI-2020 (<http://mfoi2020.inf.ua/index.html>)
- Symposium on Logic and Artificial Intelligence (SIAI), Chisinau, Moldova ([https://islai.org/.](https://islai.org/))
- Moldovan Prizes in Logic and Artificial Intelligence ([https://logic-prize-moldova.islai.org/.](https://logic-prize-moldova.islai.org/))
- Romanian Prizes in Logic and Artificial Intelligence ([https://logic-prize-romania.islai.org/.](https://logic-prize-romania.islai.org/))
- Ukrainian Logic Society Prize – 2021 (<http://logic.net.ua/content/ukrainian-logic-society-prize-%E2%80%93-2021>)

These events attracted more than one hundred participants.

On the 3rd World Logic Day, January 14, 2021, the Chairman of the Jury of the Ukrainian Logic Society Contest Prof. Anatoliy Petravchuk announced the results: the Winner was declared Dr. Ievgen Ivanov for the paper “On Induction Principles for Partial Orders”.

The Winner presented his paper at the VI International Conference on Mathematical Foundations of Informatics MFOI-2020.

On this day the following invited lectures were also presented:

- Prof. Dr. Andrei Arusoae, Alexandru Ioan Cuza University of Iasi, Romania, “Certification in Matching Logic”;
- Prof. Dr. Adrian Iftene, Alexandru Ioan Cuza University of Iasi, Romania, “Using Artificial Intelligence in Medicine”;
- Prof. Dr. Segiy Kryvyi, Taras Shevchenko National University of Kyiv, Ukraine, “Algebra, Informatics, and Programming”;
- Prof. Dr. Alexei Muravitsky, Northeastern University in Chicago, USA, “On Nonmonotonic Consequence Relations”;

- Prof. Dr. Mykola Nikitchenko, Taras Shevchenko National University of Kyiv, Ukraine, “Defining Program Logics: Three-level Scheme”;
- Prof. Dr. Grygoriy Zholtkevych, V.N.Karazin Kharkiv National University, Ukraine, “Category-theoretic Approach to Modelling Program Domain Structure and Its Behaviour”

We hope to extend our activities at the next World Logic Days.

Mykola Nikitchenko,

Chairman of the Ukrainian Logic Society