

# International Conference on Mathematical Foundations of Informatics – MFOI'2020

*In view of the outbreak of the Coronavirus disease (COVID-19) the MFOI'2020 conference is postponed to*

**January 12–16, 2021, Kyiv, Ukraine.**

The conference will be held **in virtual mode.**

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<http://mfoi2020.inf.ua/index.html>

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The 2020 edition of the annual Conference on Mathematical Foundations of Informatics is intended to add synergy to the efforts of the researchers working on the development of the mathematical foundations for computer science, also known as informatics. Round tables are planned to ensure an open debate on the state of the art and new directions of research and cooperation.



Taras Shevchenko National University of Kyiv

During MFOI, January 14, 2021 is devoted to the **World Logic Day.**

## The collocated events on January 14, 2021 are

- *Symposium on Logic and Artificial Intelligence (SLAI), Chisinau, Moldova* (<https://islai.org/>)
- *Moldovan Prizes in Logic and Artificial Intelligence* (<https://logic-prize-moldova.islai.org/>)
- *Romanian Prizes in Logic and Artificial Intelligence* (<https://logic-prize-romania.islai.org/>)
- *Ukrainian Logic Society Prize – 2021* (<http://logic.net.ua/content/ukrainian-logic-society-prize-%E2%80%93-2021>)

## Conference Topics

Any original contributions are welcome, including but not limited to:

- data science;
- theory of computing;
- theoretical issues in artificial intelligence;
- theoretical issues in automated reasoning;
- theoretical aspects of software system development;
- logics in informatics, databases, and artificial intelligence;
- data mining and knowledge discovery;
- knowledge representation;
- semantic technologies;
- natural language processing;
- formal languages and automata;
- cryptography and security;
- neural networks;
- natural computing;
- soft computing.

## New Important Dates

- Paper submission deadline: ~~December 07, 2020~~ **January 04, 2021.**
- Acceptance notification: ~~December 28, 2020~~ **January 09, 2021**
- Registration deadline: **January 10, 2021.**
- Conference: **January 12–16, 2021.**

## Submission Guidelines

Submitted papers are required to be 6-16 pages in English (one page approximating A5 size, i.e. about 800 words), and using the MFOI templates which can be found on the page <http://mfoi2020.inf.ua/papersubmission.html>.

The submissions should have a succinct statement of the problem, obtained results, their significance and a comparison with previous works (if any), as well as a list of references. The submissions should also include the title of the proposed paper, author's names, affiliations, addresses, the name of an author to contact for a possible correspondence, the e-mail address of the contact author, and topics which best describe the paper (max. 5 keywords).

Papers are submitted through EasyChair System. The submission link is <https://easychair.org/conferences/?conf=mfoi2020>

## Publication

All accepted papers will be published **after the conference in the Proceedings of MFOI'2020**. The selected papers will be also published after the conference in the CSJM (Computer Science Journal of Moldova - indexed in Mathematical Reviews, Zentralblatt MATH, Clarivate Analytics/Web of Science (ISI), MathSciNet, DBLP, DOAJ, EBSCO) or in the Bulletin of Academy of Sciences of Moldova, ser. Mathematics (indexed in Mathematical Reviews, Zentralblatt MATH, SCImago Journal Rank (SJR), Russian RZh Matematika).

## Organizers

- Taras Shevchenko National University of Kyiv, Ukraine
- Institute of Mathematics and Computer Science, Chisinau, Moldova
- Alexandru Ioan Cuza University of Iasi, Romania
- International Society for Logic and Artificial Intelligence, Chisinau, Moldova
- Ukrainian Logic Society

## Program Committee Co-Chairs:

- Mykola Nikitchenko (Kyiv, Ukraine)
- Svetlana Cojocararu (Chisinau, Moldova)
- Adrian Iftene (Iasi, Romania)
- Ioachim Drugus (Chisinau, Moldova)

**Organizing Committee Chair:** Mykola Nikitchenko

## Venue of the conference:

Faculty of Computer Science and Cybernetics of the Taras Shevchenko National University of Kyiv, Kyiv, Ukraine. **The conference will be held in virtual mode.**

## Address:

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