Conference on Mathematical Foundations of Informatics (MFOI-2019),
July 3-6, 2019, Iasi, Romania

Organizers
"Alexandru Ioan Cuza" University of Iasi, Romania
Mathematical Society of the Republic of Moldova
Institute of Mathematics and Computer Science, Chisinau, Moldova
Taras Shevchenko National University of Kyiv, Ukraine

Call for Papers
The 2019 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*. The previous edition can be found here http://mfoi2018.math.md. Round tables are planned to ensure an open debate on the state of the art and new directions of research and cooperation.

All accepted papers will be published in Proceedings of the Conference, which will be handed over to participants on the first day of the conference. 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).

The sponsors will offer two prizes for two best papers of young researchers - one for a purely mathematical treatment, and the other for a treatment which has or is promising to have applications in natural language processing. The prize winner papers will be marked up in Proceedings. The information about prize winners and interviews with them will be published in mass-media and a CD with this data will be handed over to the winners.

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.

Organizing Committee

Chair: *Adrian Iftene, Dean of the Faculty of Computer Science (Iasi, Romania)*.
Co-Chairs: *Svetlana Cojocaru (Chisinau, Moldova), Mykola Nikitchenko (Kyiv, Ukraine)*,
Ioachim Drugus (Chisinau, Moldova), Diana Trandabat (Iasi, Romania).

Invited speakers
To be announced later

Submission details
The papers will be submitted through the [Easy Chair system](#)

Requirements to papers
Your paper is required to be 6-16 pages in English (one page approximating A5 size, i.e. about 800 words), and using the MFOI templates ([MFOI2019_template_A5.doc](#), [mfoi2019_template.tex,](#) [mfoi2019_template.pdf,](#) [mfoi2019.sty,](#) [Template_MFOI_2019.zip](#)).

Please, start with a succinct statement of the problem, present your 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 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).

Registration
Registration is just to give us notice that you intend to participate, which will help to properly plan this event. In particular, upon registration, we will discuss with you about hotel room options and reservation. **No payments** are required at this stage - all payments are to be made on arrival. Please fill the attached registration form or download it from here http://mfoi2019.info.uaic.ro/registration.html fill and email it to [mfoi2019@info.uaic.ro](#) with the message' subject "Registration form". We encourage that you register by the time you book your travel tickets, which for economy purposes must be at an early stage. In this case, please, indicate in your Registration form a tentative title of your paper. The final version of the title is needed only by "Camera ready" time.

Important dates
Paper Submission Deadline: May 1, 2019
Acceptance notification: May 21, 2019
Camera ready: June 1, 2019
Registration Deadline: June 1, 2019
Conference: July 3–6, 2019

Participation Fee
100 Euro (to be paid on arrival in EUR, USD, or RON)
No fee – Invited Speakers and PhD students.
Local and Moldavian participants: 50 RON

Accommodation

Accommodation options close to Iasi city center include:

- [Unirea Hotel & Spa](#) (****) (1.2 km to the conference venue - Booking.com rating: 9.0)
- [Grand Hotel Traian](#) (****) (1.1 km to the conference venue - Booking.com rating: 8.3)
- [Hotel Select](#) (****) (1.4 km to the conference venue - Booking.com rating: 9.2)
- [Hotel International](#) (****) (2.6 km to the conference venue - Booking.com rating: 9.2)
- [Hampton by Hilton Iasi](#) (***) (2.6 km to the conference venue - Booking.com rating: 8.6)

An extensive list of hotel options in Iasi (including the above), is available [here](#).

Venue

MFOI2019 will be organized by the Faculty of Computer Science from the Alexandru Ioan Cuza University of Iaşi, the oldest higher education institution in Romania. Since 1860, the university has been carrying on a tradition of excellence and innovation in the fields of education and research. With over 24.000 students and 800 academic staff, the university enjoys a high prestige at national and international level. Both the main conference track and the workshops will be hosted in building C of the University (Faculty of Computer Science) in the C309 room (1st floor). Building C is 7-floor tower building located on the Copou hill within the city, just at a 15 minutes' walk from the central Piata Unirii plaza.

Social program

Our sponsors will facilitate our informal communication by several activities:

- Each evening they will arrange an outing to nature or in a summer-house, depending on weather, with Romanian food and wine – except one evening or late afternoon, when they organize a special event (see the next).

- Romania is a worldwide known wine making country. The participants of the conference visiting Romania will participate in a car tour of one of the cellars, ending with lunch in a restaurant of the winery and a program of tasting selected wines to learn the art of *degustation* of wines. The participants will also take home a small collection of samples of selected wines.

Contacts

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