



**The 9th International Conference
„Mathematics & IT: Research and Education”
MITRE-2023**

June 26 – 29, 2023, Chișinău, Republic of Moldova
<https://mitre.usm.md/>

FIRST ANNOUNCEMENT

The conference MITRE 2023 provides a forum for specialists to discuss different aspects of the integration of research and education in Mathematics and Computer Science. Discussions are traditionally axed on the achievements in scientific research and advanced training of high qualification specialists in these areas according to real needs of economy, on ways of involving young talents in research. The participation of young scientists is encouraged.

The Conference MITRE in 2023 will be at its 9th edition.

SECTIONS

1. Algebra, Geometry and Topology
2. Analysis, Differential Equations and Dynamical Systems
3. Applied Mathematics
4. Computer Science and IT
5. Didactics of Mathematics and Informatics

SCIENTIFIC COMMITTEE

Section 1. Algebra, Geometry and Topology: Parascovia Sârbu, Alexei Cașu, Gheorghe Ciocanu, Elena Cojuhari, Liubomir Chiriac, Florin Damian, Vladimir Izbaș, Alexandru Lungu, Valeriu Popa, Victor Shcherbacov.

Section 2. Analysis, Differential Equations and Dynamical Systems: Andrei Perjan, David Ceban, Dumitru Cozma, Vasile Glavan, Valeriu Guțu, Vasile Neagu, Mihail Popa, Galina Rusu, Alexandru Șubă, Nicolae Vulpe.

Section 3. Applied Mathematics: Boris Hâncu, Anatol Godonoagă, Dumitru Lozovanu, Vladimir Pațuc, Anatol Prisăcaru, Galina Rîbacova, Alexandra Tkacenko.

Section 4. Computer Science and IT: Titu Capcelea, Vsevolod Arnaut, Gheorghe Căpățână, Dumitru Ciorbă, Constantin Ciubotaru, Svetlana Cojocar, Constantin Găindric, Mircea Petic, Valeriu Ungureanu, Inga Țițchiev.

Section 5. Didactics of Mathematics and Informatics: Lilia Solovei, Petru Efros, Ion Goian, Maria Marin, Andrei Poștaru, Marcel Teleucă, Ion Valuță.

ORGANIZING COMMITTEE

Valeriu Ungureanu (chairperson), Vsevolod Arnaut, Andrei Braicov, Mariana Butnaru, Radu Buzatu, Elena Calmăș, Maria Capcelea, Titu Capcelea, Sergiu Corlat, Mihail Croitor, Florin Damian, Viorel Grigorcea, Valeriu Guțu, Boris Hâncu, Maria Marin, Ludmila Novac, Tatiana Pașa, Mircea Petic, Natalia Pleșca, Galina Rîbacova, Parascovia Sârbu, Lilia Solovei, Galina Sprîncean, Greta Sturza, Alexandra Tkacenko.

NOTA BENE

The working languages during the conference will be English for sections 1-4, English and Romanian for section 5.

The persons interested in attending the Conference MITRE-2023 are kindly asked to fill in the Registration Form <https://forms.office.com/r/WgWcjCkz5j> before May 31, 2023.

The participants interested in giving a talk for Sections 1-4 are kindly asked to send the abstract of communication (up to 1 page, in English, using LaTeX2e, the both extensions .tex and .pdf) by e-mail to: mitre@usm.md before May 31, 2023. Please, find the sample below. The abstracts for the Section 5 will be written in English or Romanian.

The authors of accepted communications will be informed before June 5, 2023, and they will be asked to confirm the presentation of their communication.

On-line presentation of communication will be possible as well.

The Book of Abstracts will be published.

The registration fee is 200 MDL, including for accompanying persons, and it covers partially conference materials and coffee breaks. The fee will be paid at the arrival.

Accommodation and meal for participants and accompanying persons will be the responsibility of the participants. Persons, who request a reservation in the university hostel, should mention it in the Registration Form.

IMPORTANT DATES AND DEADLINES

May 31, 2023	–	Submission of the Registration Form
May 31, 2023	–	Submission of the Abstract
June 5, 2023	–	Notification of acceptance
June 15, 2023	–	Program
June 25, 2023	–	Arrival
June 26-28, 2023	–	Conference days
June 29, 2023	–	Departure

CONTACTS

Web: <https://mitre.usm.md/>

E-mail: mitre@usm.md

Address: Moldova State University, Faculty of Mathematics and Computer Science,
Alexei Mateevici str. 60, Chișinău, MD-2009, Republic of Moldova

TECHNICAL CONDITIONS FOR EDITING THE ABSTRACT

The abstract (up to one page) for Conference MITRE-2023 should be written in English, LaTeX 2e, according to the sample below. For Section 5 Romanian is also acceptable.

Abstract for the Section 5 can be written in MS Word, (up to one page, A5, Times New Roman, 11 pt., text only, without graphs, tables, figures, etc.).

Please send the abstract files with the extensions .tex and .pdf (Sections 1-4, e.g., ionescu2.tex and ionescu2.pdf), respectively, .doc or .docx (Section 5, e.g., ionescu5.doc), having as a title the name of the first author and the number of the section.

LATEX2e SAMPLE

```
\documentclass[10pt,a4paper]{article}

\usepackage{amsfonts}
\usepackage{amssymb}
\usepackage{amsmath}
\usepackage{amsthm}

\newcommand{\titleart}[1]{\bigskip\begin{center}\large
\textbf{#1}\end{center}\vspace{-6mm}}
\newcommand{\autorart}[1]{\begin{center}\large
\textsf{#1}\end{center}\vspace{-6mm}}
\newcommand{\coord}[1]{\begin{center}\small
\textit{#1}\end{center}\vspace{-6mm}}
\newcommand{\mail}[1]{\begin{center}\small
\texttt{#1}\end{center}\normalsize}
\renewcommand{\thefootnote}{\fnsymbol{footnote}}

\begin{document}

\titleart{TITLE OF THE ABSTRACT}

\autorart{First name Last name of the first author\index{Last name Initials},
First name Last name of the second author\index{Last name Initials}}
\footnote{{\it Speaking author}: Initials. Last name of the speaking author (if there are co-
authors)}}

\coord{Affiliation, country, e.g. Moldova State University,
Chi\c{s}in\u{a}u, Republic of Moldova}

\mail{1author@yahoo.com, 2author@gmail.com}

% \addc{Initials Last name of the 1st author, Initials Last name of the 2nd author}{Title of the
abstract}
% \stopcr

\medskip

Text ...
```

An example of theorem (lemma):

```
{\bf Theorem 1.} {\it The formulation of the theorem.}
```

Text...

Examples of formulas:

```
\begin{equation}
\int\limits_a^b f(x) dx = F(x) + c.
\end{equation}
```

or

```
$$
a^2 + b^2 = c^2. \eqno(2)
$$
```

or

```
$$
a^3 + b^3 \leq c^3.
$$
```

References are allowed only if there exist citations in the text (see, e.g. [1-2]).

```
\medskip
```

```
{\small \centerline{\bf References:}
\smallskip
```

```
\noindent 1. Initials. Name of author. Title of the article. {\it
Title of the Journal}, {\bf number of issue} (Year), page--page.
```

```
\noindent 2. Initials. Name of author. {\it Title of the book}.
Publishing House, Place, Year.
```

```
}
```

```
\end{document}
```