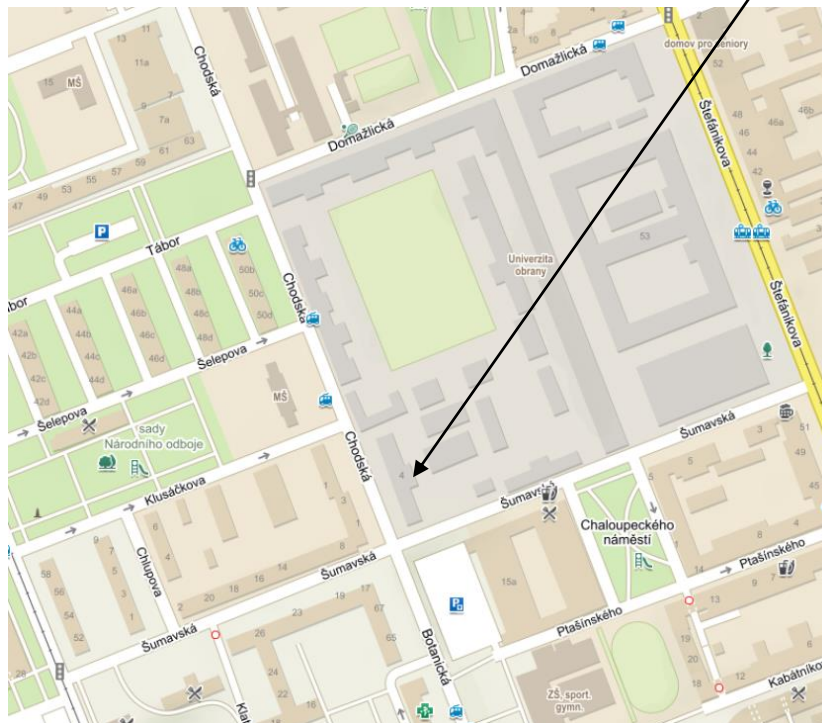


# Invitation to the 11<sup>th</sup> conference MITAV MITAV 2024

Union of Czech Mathematicians and Physicists, Brno branch (JČMF) cordially invite you to the conference **MITAV (Mathematics, Information Technologies, and Applied Sciences)**, organized in co-operation with the Faculty of Military Technology of the University of Defence, Faculty of Education and Faculty of Economics and Administration of Masaryk University, Faculty of Electrical Engineering and Communication of Brno University of Technology and the Department of Informatics, Armed Forces Academy of General M. R. Štefánik, Liptovský Mikuláš.

The conference MITAV 2024 will take place in the **Club of the University of Defence, Brno, Šumavská 4, June 20 and 21, 2024.**



## **Aims and target group of the conference**

The conference **MITAV 2024** is the 11th annual MITAV conference. It should attract in particular teachers of all types of schools and is devoted to the most recent discoveries in mathematics, informatics, and other sciences as well as to the teaching of these branches at all kinds of schools for any age groups, including e-learning and other applications of information technologies in education. The organizers wish to pay attention especially to the education in the areas that are indispensable and highly demanded in contemporary society. The goal of the conference is to create space for the presentation of results achieved in various branches of science and at the same time provide the possibility for meeting and mutual discussions of teachers from different kinds of schools and orientation. We also welcome presentations by (diploma and doctoral) students and teachers who are just beginning their careers, as their novel views and approaches are often interesting and stimulating for other participants.

The MITAV 2024 conference will be run in the following sections:

1. Scientific
2. Educational (focused on general questions of education at primary, secondary schools and universities)

The organizers are convinced that among teachers are many of those who are using innovative methods, who solved interesting projects, who have experience in interdisciplinary education, etc. Especially contributions of these teachers are welcome.

**Conference languages:** English, Czech, Slovak

#### **International scientific committee**

**Prof. Leonid BEREZANSKY**

Ben Gurion University of the Negev, Beer Sheva, Israel

**Prof. Zuzana DOŠLÁ**

Masaryk University, Faculty of Science, Brno, the Czech Republic

**Prof. Irada DZHALLADOVA**

Kyiv National Economic Vadym Getman University, Ukraine

**Prof. Mihály PITUK**

University of Pannonia, Faculty of Information Technology, Veszprém, Hungary

**Prof. Ľubica STUHLÍKOVÁ**

Slovak University of Technology in Bratislava, Faculty of Electrical Engineering and Information Technology, Bratislava, Slovakia

#### **International programme committee**

*Chair:*

**Michal NOVÁK**

Brno University of Technology, Faculty of Electrical Engineering and Communication, Brno, the Czech Republic

*Members:*

**Jaromír BAŠTINEC**

Brno University of Technology, Faculty of Electrical Engineering and Communication, Brno, the Czech Republic

**Ľubomír DEDERA**

Armed Forces Academy of General M. R. Štefánik, Liptovský Mikuláš, Slovakia

**Jan HODICKÝ**

M&S Technical SME at NATO HQ SACT, Norfolk, Virginia, USA

**Miroslav HRUBÝ**

University of Defence, Faculty of Military Technology, Brno, the Czech Republic

**Edita KOLÁŘOVÁ**

Brno University of Technology, Faculty of Electrical Engineering and Communication, Brno, the Czech Republic

**Piet KOMMERS**

Professor of UNESCO Learning Technologies, Emeritus University of Twente, Enschede, the Netherlands

**Nataliia MORZE**

Borys Grinchenko Kiev University, Kiev, Ukraine

**Václav PŘENOSIL**

Masaryk University, Faculty of Informatics, Brno, the Czech Republic

**Magdalena ROSZAK**

Poznan University of Medical Sciences, Department of Computer Science and Statistics, Poznań, Poland

**Eugenia SMYRNOVA-TRYBULSKA**

University of Silesia, Katowice – Cieszyn, Poland

**Olga YAKOVLEVA**

Herzen State Pedagogical University of Russia, St. Petersburg, Russia

**Czech and Slovak steering committee of the conference**

***Chair:* Karel LEPKA**

Masaryk University, Faculty of Education, Department of Mathematics, Brno, the Czech Republic

***Members:***

**Luboš BAUER**

Masaryk University, Faculty of Economics and Administration, Department of Applied Mathematics and Informatics, Brno, the Czech Republic

**Jaroslav BERÁNEK**

Masaryk University, Faculty of Education, Department of Mathematics, Brno, the Czech Republic

**Milan JIRSA**

University of Defence, Faculty of Military Technology, Department of Informatics and Cyber Operations, Brno, the Czech Republic

**Tomáš RÁČIL**

University of Defence, Faculty of Military Technology, Department of Informatics and Cyber Operations, Brno, the Czech Republic

**Michal TURČANÍK**

Armed Forces Academy of General M. R. Štefánik, Liptovský Mikuláš, Slovakia

**Preliminary programme of the conference**

*Thursday, June 20, 2024*

12:00-13:45 Registration of the participants

14:00-15:00 Keynote lecture

15:00-15:30 Break

15:30-18:00 Presentations in parallel sections

19:00-22:00 Conference dinner followed by informal discussions on a boat sailing along the Brno lake

*Friday, June 21, 2024*

09:00-09:45 Keynote lecture

10:00-13:00 Presentations in parallel sections

13:00 Closing

### **Conference fee**

Registration fee for the MITAV 2024 conference is **CZK 1800**.

Students, including doctoral students, pay reduced registration fee (by half), i.e. **CZK 900**.

Please pay the fee to:

Union of Czech Mathematicians and Physicists, Brno branch

Janáčkovo nám. 654/2A, 602 00 BRNO, Czech Republic

IČ: 64327141

Contact person: RNDr. Karel LEPKA, Dr.

Phone: +420 549 494 219

e-mail: lepka@ped.muni.cz

### **Bank transfer from abroad until April 30, 2024 (bank fees have to be paid by the participant)**

Bank name: Fio banka, a.s.

BIC (SWIFT): FIOBCZPPXXX

Purpose of Payment: MITAV2024

Information for Beneficiary: *Name of Participant*

Account Name: JČMF pobočný spolek Brno

IBAN (Account No.): CZ6920100000002700604074

### **Participants from the Czech Republic:**

**Account number:** 2700604074/2010

**VS:** *will be assigned upon receipt of the filled-in registration form*

Confirmation of the payment will be issued at the conference.

### **Accommodation**

The accommodation must be booked by the conference participants themselves. In the case of help needed, the organizers offer advising.

### **Web konference MITAV**

<https://mitav.unob.cz/>

## Instructions for conference participants

- Send the filled-in application form for MITAV 2023 and your conference paper in Czech, Slovak or English **by March 31, 2024** to [mitav.conference@gmail.com](mailto:mitav.conference@gmail.com). Please, use the template (MITAV\_template) and send your contribution in docx (doc) or TeX and also always in pdf formats.
- The authors are responsible for the content and formal layout of the contributions. Checking the papers and the decision about their acceptance are in the competence of Czech members of the international programme committee. All the papers which will be in compliance with content and formal requirements will be included on the conference CD (supplement of the printed Collection of abstracts MITAV 2024).
- The time allocated to presentation of the contribution at the conference is 15 minutes including discussion. The MITAV 2024 participants who will not be able to present their papers in Brno personally, can send the appropriate video file. This video file will be included on the conference CD. A notebook and a data projector will be available for the speakers at the conference room.
- The programme of the conference will be available by June 7, 2024.

The post-conference e-proceedings in English:

- Selected contributions (presented personally or by video file) can be updated by their authors for the post-conference CD proceedings after the conference.
- Original or updated conference contributions in English which will be sent to [mitav.conference@gmail.com](mailto:mitav.conference@gmail.com) **by September 30, 2024**, will be peer-reviewed by two independent reviewers from different countries.
- The final update of contributions according to the reviewers' recommendations will be the authors' exclusive right.
- Finally, the reviewers will decide definitely if the contributions will be accepted to the post-conference e-proceedings of selected papers, or not. The proceedings will be sent to the process of Web of Science indexation by the end of 2024.

Each MITAV 2024 participant will receive printed **Collection of abstracts MITAV 2024** with ISBN. **CD supplement** of this printed volume will contain all the accepted contributions of the conference and video files of participants who cannot present their papers in Brno personally.

In autumn 2024, a **post-conference e-proceedings** with ISBN (different from the ISBN collection of abstracts) will be published, containing updated and possibly extended versions of selected MITAV 2024 contributions.

The proceedings will be published in English and will be sent to the Web of Science database of **Clarivate Analytics** (earlier Thomson Reuters) (<https://apps.webofknowledge.com>) for consideration.

**Post-conference CD proceedings of selected papers extended versions from MITAV conferences (see at <http://mitav.unob.cz>) are being sent to the Web of Science of Clarivate Analytics (earlier Thomson Reuters). The MITAV 2016, 2017 and 2018 proceedings have been indexed yet. Other proceedings are in the process.**

**Thank you for your interest in MITAV 2024. We look forward to seeing you in Brno!**