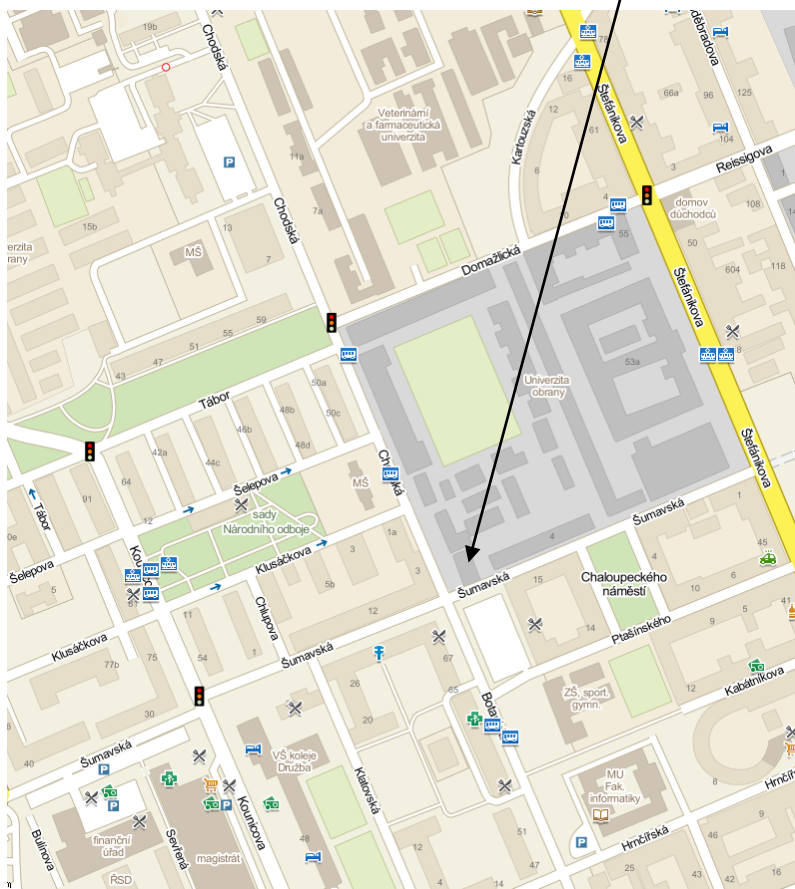


Invitation to the 5th conference MITAV MITAV 2018

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 in Brno, Faculty of Science, Faculty of Education and Faculty of Economics and Administration of Masaryk University in Brno and Faculty of Electrical Engineering and Communication of Brno University of Technology.

MITAV 2018 will take place in the **Club of the University of Defence in Brno**, Šumavská 4 on **June 14 and 15, 2018**.



Aims and target group of the conference

The conference **MITAV 2018** is the fifth 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.

We envisage that the conference will be run in the following sections:

1. Newest results in the individual scientific disciplines
2. General aspects of education (primary, secondary, and tertiary schools).

In the case of high number of applications and broader spectrum of contributions, we will consider increasing the number of sections, so that all the participants could present their work.

Scientific committee

Prof. RNDr. Zuzana Došlá, DSc.	Czech Republic Faculty of Science, Masaryk University, Brno
Prof. Irada Dzhalladova, DrSc.	Ukraine Kyiv National Economic Vadym Getman University
Assoc. Prof. Cristina Flaut	Romania Faculty of Mathematics and Computer Science, Ovidius University, Constanta
Assoc. Prof. PaedDr. Tomáš Lengyelfalusy, Ph.D.	Slovakia DTI University, Dubnica nad Váhom
Prof. Antonio Maturo	Italy School of Economic, Business, Legal and Sociological Sciences of the University of Chieti – Pescara

Programme and organizational committee of the conference

Jaromír Baštinec	Brno University of Technology, Faculty of Electrical Engineering and Communication, Department of Mathematics
Luboš Bauer	Masaryk University in Brno, Faculty of Economics and Administration, Department of Applied Mathematics and Informatics
Jaroslav Beránek	Masaryk University in Brno, Faculty of Education, Department of Mathematics
Miroslav Hrubý	University of Defence in Brno, Faculty of Military Technology, Department of Communication and Information Systems
Milan Jirsa	University of Defence in Brno, Faculty of Military Technology, Department of Communication and Information Systems
Karel Lepka	Masaryk University in Brno, Faculty of Education, Department of Mathematics
Šárka Mayerová	University of Defence in Brno, Faculty of Military Technology, Department of Mathematics and Physics
Pavína Račková	University of Defence in Brno, Faculty of Military Technology, Department of Mathematics and Physics
Jan Vondra	Masaryk University in Brno, Faculty of Science, Department of Mathematics and Statistics

Conference languages

Czech, Slovak, English.

Preliminary programme of the conference

Thursday, June 14, 2018

- 12:00-13:45 Registration of the participants
14:00-16:00 Keynote lectures No. 1 and No. 2
16:00-16:30 Break
16:30-18:00 Presentations in parallel sections
18:00-22:00 Conference dinner at the University of Defence Club followed by informal discussions on a boat sailing along the Brno lake

Friday, June 15, 2018

- 09:00-09:45 Keynote lectures No. 3
10:00-13:00 Presentations in parallel sections
13:15 Closing

In the case of greater interest, MITAV 2018 will continue in the afternoon.

Conference fee

Registration fee for the MITAV 2018 conference is **CZK 1000**.

Students, including doctoral students, pay reduced registration fee (by half), i.e. **CZK 500**.

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. Jan VONDRA, Ph.D.
Phone: +420 549 494 263
e-mail: vondra@math.muni.cz

Bank transfer from abroad until April 30, 2018 (bank fees have to be paid by the participant)

Bank name: Fio banka, a.s.
BIC (SWIFT): FIOBCZPPXXX
Purpose of Payment: MITAV2018
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

We can offer accommodation directly at the University of Defence (Dobrovského street), only 5 minutes walking distance from the conference location. Preliminary price is CZK 220 per person and night in a double room. We can reserve the rooms for up to three nights from June 13 to 16, 2018. The organizers will reserve the accommodation according to the participants' wishes, but the participants will pay for the accommodation at the hostel in cash.

Each MITAV 2018 participant will receive printed **Collection of abstracts MITAV 2018** with ISBN. **CD supplement** of this printed volume will contain all the accepted contributions of the conference.

In autumn 2018, a **post-conference CD proceedings** with ISBN will be published, containing extended versions of selected MITAV 2018 contributions. The proceedings will be published in English and will be sent to the Web of Science database of Thomson Reuters (<https://apps.webofknowledge.com>) for consideration. This English version of the paper can be published alternatively in Italian journal Ratio Mathematica, ISSN 2282-8214, resp. Science & Philosophy, ISSN 2282-7765.

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 proceedings have been indexed yet.

Instructions for conference participants

- Send the filled-in application form for MITAV 2018 to vondra@math.muni.cz (Cc: mitav2018@seznam.cz) by **March 31, 2018**.
The abstracts from the applications will be published in the printed proceedings.
- Send your contribution in any of the conference languages to mitav2018@seznam.cz by **April 15, 2018**.
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. All contributions will be peer-reviewed.
- **The final versions of papers in pdf format** which will be sent **by May 15, 2018**, will be included on the conference CD.
- The time allocated to presentation of the contribution at the conference is 15 minutes including discussion. 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, 2018.

Webpage of the MITAV conference

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

Thank you for your interest in MITAV 2018. We look forward to seeing you in Brno!