

Invitation to the 6th conference MITAV MITAV 2019

Union of Czech Mathematicians and Physicists, Brno branch (JČMF) cordially invite you to the conference **MITAV** (**M**athematics, **I**nformation **T**echnologies, and **A**ppplied 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.

The conference MITAV 2019 will take place in the **Club of the University of Defence, Brno, Šumavská 4, June 20 and 21, 2019.**

Aims and target group of the conference

The conference **MITAV 2019** is the sixth 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 event is accredited by MSMT DVPP No. MSMT-7116 / 2018-1-344, and is therefore considered to be an activity of further education of pedagogical staff.

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.

Conference languages

Czech, Slovak, English, Russian (Russian only for the presentation of paper at the conference).

Scientific committee

Prof. Leonid Berezansky

Ben Gurion University of the Negev, Beer Sheva, Israel

Prof. Zuzana Došlá

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

Prof. Irada Dzhalladova

Kyiv National Economic Vadym Getman University, Ukraine

Prof. Cristina Flaut

Faculty of Mathematics and Computer Science, Ovidius University, Constanta, Romania

Prof. Antonio Maturo

School of Economic, Business, Legal and Sociological Sciences of the University of Chieti – Pescara, Italy

Prof. Mihály Pituk

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

Prof. Ľubica Stuchlíková

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

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 Informatics, Cybernetic Security and Robotics

Milan Jirsa

University of Defence in Brno, Faculty of Military Technology, Department of Informatics, Cybernetic Security and Robotics

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

Preliminary programme of the conference

Thursday, June 20, 2019

- 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 21, 2019

- 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 2019 will continue in the afternoon.

Conference fee

Registration fee for the MITAV 2019 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 reservation at Taufer's dormitory (Jana Babáka 1861/3), only 5 minutes walking distance from the conference location. Preliminary price is CZK 500 per person and night in a double room with breakfast (CZK 890 per only 1 person and night in a double room with breakfast). We can reserve the rooms for up to three nights from June 19 to 22, 2019. The organizers will reserve the accommodation according to the participants' wishes, but the participants will pay for the accommodation at the hostel in cash.

Taufer's dormitory (Jana Babáka 1861/3)



Club of the University of Defence (Šumavská 4)

Warning: Chodská street will be probably closed.

Instructions for conference participants

- Send the filled-in application form for MITAV 2019 and your conference paper in Czech, Slovak or English **by April 30, 2019** to mitav2019@seznam.cz. 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, 2019**, 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, 2019.

Each MITAV 2019 participant will receive printed **Collection of abstracts MITAV 2019** with ISBN. **CD supplement** of this printed volume will contain all the accepted contributions of the conference.

In autumn 2019, a **post-conference CD proceedings** with ISBN will be published, containing extended versions of selected MITAV 2019 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. 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.

Webpage of the MITAV conference

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

Thank you for your interest in MITAV 2019. We look forward to seeing you in Brno!