

Mladá veda

Young Science



Špeciálne vydanie

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CONFERENCE - APPLIED METHODS IN ENGINEERING AND SCIENCES

KONFERENCE – APLIKOVANÉ METODY V INŽENÝRSTVÍ A PŘÍRODNÍCH
VĚDÁCH

Dana Smetanová¹

Dana Smetanová působí jako odborná asistentka na Katedře informatiky a přírodních věd na Vysoké škole technické a ekonomické v Českých Budějovicích v České republice. Ve svém výzkumu se věnuje problematice variačního počtu a aplikacím matematiky.

Dana Smetanová works as an assistant professor at the Department of Informatics and Natural Sciences at the Institute of Technology and Business in České Budějovice in Czech Republic. Her research is devoted to variational calculus and applications of the mathematics.

Short informations about the conference.

This conference was held for the first time. We are starting the tradition.

Dates of the 1st conference: September 5 – 6, 2017

Organizer: Department of Informatics and Natural Sciences, Institute of Technology and Business, České Budějovice

Place: Institute of Technology and Business, Okružní 10, České Budějovice, Czech Republic

Sections:

- Optimization and models.
- IT in engineering practice.
- Modern methods and technologies in engineering education.
- Student's section.

International Scientific Committee:

Vochozka Marek, Associated professor, rector of The Institute of Technology and Business in České Budějovice, České Budějovice, Czech Republic

Kampf Rudolf, Associated professor, head of Faculty of Technology, The Institute of Technology and Business in České Budějovice, České Budějovice, Czech Republic

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Berezovskii Vladimir E., Associate professor, head of Department of mathematics and physics, Uman National University of Horticulture, Uman, Ukraine

Čejka Jiří, Asistant professor, head of Department of Informatics and Natural Sciences, Faculty of Technology, The Institute of Technology and Business, České Budějovice, Czech Republic

Fulier Jozef, Professor, Faculty of Natural Sciences, Constantin Philosopher University of Nitra, Nitra, Slovakia

Hrubý Petr, Associated professor, Department of Mechanical engineering, Faculty of Technology, The Institute of Technology and Business, České Budějovice, Czech Republic

Kozubík Aleš, Asistant professor, Faculty of Management Science and Informatics, University of Žilina, Žilina, Slovakia

Mikeš Josef, Professor, head of Section of Geometry, Department of Algebra and Geometry, Faculty of Sciences, Palacky University in Olomouc, Olomouc, Czech Republic

Smetanová Dana, Assistant professor, Department of Informatics and Natural Sciences, Faculty of Technology, The Institute of Technology and Business, České Budějovice, Czech Republic

Velimirović Ljubica, Professor, Faculty of Science and Mathematics, University of Niš, Niš, Serbia

The idea to hold the conference was established:

- from the need to meet once a year,
- due to the need to coordinate local results,
- to deepen mutual cooperation between academic staff from universities (e.g. The Czech Republic: VŠB – Technical University, Palacky University in Olomouc, University of South Bohemia in České Budějovice, Slovakia: University of Žilina, Constantin the Philosopher University in Nitra, Hungary: Debrecen University, Russia: Samara State University, ...),
- in order to create a platform for discussion on technical education,
- to support talented students.

We plan to create an interdisciplinary forum where it would be possible to discuss applications in a common and comprehensible language for professionals in interdisciplinary areas so that the synergic benefits for researchers could be gathered in any area where science field application is important for formulating models and solving technical problems. We also create a platform for discussion on modern technical education at an interdisciplinary level. Supporting professional growth for talented students is one of the parts of the conference.

Ideas for the Future:

- meeting once a year,
- having a keynote speaker at the conference,
- change the conference venue at international level.

The newly established conference followed occasional seminars held at the Department of Informatics and Natural Sciences at ITB in České Budějovice. Under this event, we wanted to benefit from multi-annual cooperation with other departments of the Faculty of Technology at ITB (Department of Transport and Logistics, Department of Civil Engineering, Department of Mechanical Engineering) and several universities from different countries (Palacky University in Olomouc, University of South Bohemia in České Budějovice; Slovakia: University of Žilina, Constantin the Philosopher University in Nitra; Hungary: Debrecen University; Russia: Samara State University,...). The content of the conference proceedings in this special issue is very diverse, involving applications in various fields (from mechanical engineering, through transport to the application of survey statistics) or discussions within technical education. In the conference, two “bold” students of the Building Structures study field took part, and their contributions have been included in the Proceedings.

We strongly believe that we will successfully create a tradition of application-oriented conference. For the following years, we wish the conference a lot of success and ability to increase its growth potential.

The conference thanks the project RUMOBIL - Rural Mobility in European Regions affected by Demographic Change (Interreg central Europe) and the project TA 04010579 of Technology Agency of the Czech Republic for partial support.