



Experimental Fluid Mechanics 2017

Mikulov, Czech Republic, 21st–24th November 2017



efm.kez.tul.cz

12th International Conference „Experimental Fluid Mechanics 2017” was held at 21st–24th November 2017 at a Kastle in Mikulov, Czech Republic.

The EFM conference is focused on obtaining overviews of projects under investigation and experimental methods used in the field of fluid mechanic and thermodynamic. Its aim is to organize a network of research workers who are interested in experimental, and also theoretical, work in the field of fluid mechanic and thermodynamic. The conference should contribute the creation of closer contacts and sharing experience in application of various experimental methods, preparation and implementation of experiments, processing of results and numerical simulations of experiments.

The main topics of the conference are:

- Experimental methods used in fluid mechanics and thermodynamics.
- Preparation and implementation of experiments.
- Application of numerical simulation for preparation of experiments, comparison of the results obtained by numerical or analytical methods with experiments.
- Processing the results.
- Experiments in the field of compressible and incompressible fluid flow, stability of flow, heat and mass transfer, cavitation etc.
- Experiments and measuring carried out on power and regulating equipment.
- Cryogenic fluid dynamics.

Members of Sciences Committee are:

- Tomáš Vít – Head of the committee (TU Liberec, Czech Republic)
- Sergey Alekseenko (Novosibirsk State University, Russia)
- Petra Dančová (TU Liberec, Czech Republic)
- Simone Ferrari (University of Cagliari, Italy)
- Matěj Forman (ESI – OpenCFD)
- Jan Hrubý (Academy of Science of Czech Republic)
- Hendric de Lange (Eindhoven Univ. of Technology, Netherlands)
- Václav Kopecký (TU Liberec, Czech Republic)
- Alexander Kusyumov (A. Tupolev KNRTU-KAI, Russia)
- Robert Pastuszko (Kielce University of Technology, Poland)
- Kazimierz Peszynski (UTP University of Science and Technology, Poland)
- Ludvík Prášil (TU Liberec, Czech Republic)
- Jaromír Příhoda (Academy of Science of Czech Republic)
- Rudi Santbergen (Delft University of Technology, Netherlands)
- Ladislav Skrbek (Charles University, Czech Republic)
- Zdeněk Trávníček (Academy of Science of Czech Republic)
- Václav Uruba (Academy of Science of Czech Republic)
- Magda Vestfálová (TU Liberec, Czech Republic)
- An-Bang Wang (National Taiwan University, Taiwan)
- Yoshifumi Yokoi (National Defense Academy of Japan, Japan)

Steering Committee:

- Petra Dančová – Head of the committee (TU Liberec, Czech Republic)
- Jan Novosád (TU Liberec, Czech Republic)



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Keynote lectures for 2017:

- Assoc. Prof. Michel Speetjens (Eindhoven University of Technology, Netherlands)
Experiments on mixing and heat transfer in industrial fluids processing
- Assoc. Prof. Marcin Zych (AGH University Science and Technology, Poland)
Prospects for the application of radiometric methods in the measurement of two-phase flows

List of Sponsors (in alphabetical order):

- DANTEC DYNAMICS GmbH (www.dantecdynamics.com)
- LAVISION (<http://www.lavision.de/en/>)
- MIT s.r.o. (www.mit-laser.cz)
- TSI GmbH (www.tsi.com)

Conference venue:

Every year, the organizers want to prepare the conference at nice and interesting place of the Czech Republic. In 2017, the conference venue was Mikulov.

The town of Mikulov offers perception with literally all senses. For many the reasons for a visit include history embodied in architectural monuments, and for nature lovers and people preferring active rest it is the unique natural conditions of the region. Those who appreciate good wine Mikulov offers rich viticulture tradition.

The Mikulov castle is in the process of admissions procedure for UNESCO world heritage list.

The organizers would like to invite you for the next year of the EFM conference, which will be held in Prague, November 13th – 16th, 2018 (see our web pages efm.kez.tul.cz).



Mikulov



Beginning of the EFM 2017



Conference venue



We prepared a cipher game

