



Experimental Fluid Mechanics 2014

Český Krumlov, Czech Republic, 18th–21st November 2014



efm.kez.tul.cz

9th International Conference „Experimental Fluid Mechanics 2014” was held at 18th–21st November 2014 in Český Krumlov, Czech Republic.

The 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:

- Assoc. Prof. Tomáš Vít – Head of the committee (TU Liberec, Czech Republic)
- Prof. Jaromír Příhoda (Academy of Science of Czech Republic)
- Prof. An-Bang Wang (National Taiwan University, Taiwan)
- Prof. Ladislav Skrbek (Charles University, Czech Republic)
- Prof. Václav Kopecký (TU Liberec, Czech Republic)
- Assoc. Prof. Hendric de Lange (Eindhoven Univ. of Technology, The Netherlands)
- Assoc. Prof. Robert Pastuszko (Kielce University of Technology, Poland)
- Assoc. Prof. Kazimierz Peszynski (UTP University of Science and Technology)
- Assoc. Prof. Ludvík Prášil (TU Liberec, Czech Republic)
- Assoc. Prof. Zdeněk Trávníček (Academy of Science of Czech Republic)
- Dr. Jan Hrubý (Academy of Science of Czech Republic)
- Dr. Rudi Santbergen (Delft University of Technology, The Netherlands)
- Dr. Magda Vestřálová (TU Liberec, Czech Republic)

Steering Committee:

- Dr. Petra Dančová – Head of the committee (TU Liberec, Czech Republic)
- Assoc. Prof. Václav Dvořák (TU Liberec, Czech Republic)
- Eng. Petr Novotný (TU Liberec, Czech Republic)

Keynote lectures for 2014:

- Dr. Victoria Timchenko (The University of New South Wales Sydney, Australia)
Numerical and Experimental Investigation of Natural Convection in Open-Ended Channels with Application to Building Integrated Photovoltaic (BIPV) Systems
- Dr. Vít Lédl and MSc. Pavel Psota (Research Centre TOPTEC Turnov, Czech Republic)
Digital holographic setups for phase object measurements in micro and macro scale

List of Sponsors (in alphabetical order):

- DANTEC DYNAMICS GmbH (www.dantecdynamics.com)
- LaVision (www.lavision.de)
- MECAS ESI s.r.o. (www.esi-group.com)
- 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. EFM 2014 was held in a very famous city Český Krumlov. City Český Krumlov, a UNESCO World Heritage Site, is a lively, cosmopolitan town with a unique atmosphere surrounded by unspoiled countryside. Dominated by a Castle stretching over the meandering Vltava River, Český Krumlov's narrow cobblestone streets wind along romantic nooks between patrician houses where you'll find attractive exhibits of world- renown artists, music festivals and concerts, and theatre performances. The cosy inns, coffee shops, and ancient taverns entertain a diverse international crowd.



Český Krumlov



View into Lecture room A



Poster section



Excursion through the Old Town