Experimental Fluid Mechanics 2015

Prague, Czech Republic, 17th–20th November 2015

efm.kez.tul.cz

10th Anniversary International Conference „Experimental Fluid Mechanics 2015” was held at 17th–20th November 2015 in Kaserštejn Palace in Prague, 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)
- Simone Ferrari (University of Cagliari, Italy)
- Jan Hrubý (Academy of Science of Czech Republic)
- Hendric de Lange (Eindhoven Univ. of Technology, Netherlands)
- Václav Kopecký (TU Liberec, Czech Republic)
- 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)
- Martin Veselý (TU Liberec, Czech Republic)

Keynote lectures for 2015:

- Dr. Shan Zhong (Manchester University, United Kingdom)
Flow control using synthetic jets
- Dr. Rudolf Dvořák (Czech Academy of Sciences, Czech Republic)
Avian aerodynamics (Aerodynamics of bird flight)
- Assoc. Prof. Robert Pastuszko (Kielce University of Technology, Poland)
Enhanced pool boiling heat transfer on mini- and micro-structured surfaces

List of Sponsors (in alphabetical order):

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Conference venue:

Every year, the organizers want to prepare the conference at nice and interesting place of the Czech Republic. In 2015, the conference venue was Prague.

Prague is the capital city of the Czech Republic. Founded during the Romanesque and flourishing by the Gothic and Renaissance eras, seat of two Holy Roman Emperors and thus also the capital of the Holy Roman Empire. It was an important city to the Habsburg Monarchy and its Austro-Hungarian Empire and after World War I became the capital of Czechoslovakia. The city played major roles in the Protestant Reformation. Main attractions include the Prague Castle, the Charles Bridge, Old Town Square and the Jewish Quarter. Since 1992, the historic center of Prague has been included in the UNESCO.

Prague

Dr. Shan Zhong (1st keynote lecture)

Poster section

Instructions for the crypto-game