

Registration

www.ercoftac.org

Location

The ERCOFTAC Spring Festival will be held in the 'K' Central Building of the Budapest University of Technology and Economics. The Central Building is located on the banks of the Danube river, and is easily accessible by taxi or public transport from local hotels. Public transport tickets are sold at the hotels.

Details of transport options from Budapest's Ferihegy Airport can be found at the ERCOFTAC website: www.ercoftac.org

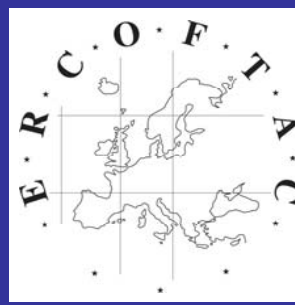
Registration fee

There is *no registration fee* for the ERCOFTAC Spring Festival. The Fluid Mechanics Department of Budapest's University of Technology and Economics has also kindly offered to cover the costs of the refreshments and the buffet lunch. Please note, participants are responsible for arranging their own accommodation in Budapest.

Registration

For further information or to register, please contact either:

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ERCOFTAC Spring Festival *'panta rhei'*

www.ercoftac.org



4th May 2009

Budapest University of Technology and Economics,
Budapest, Hungary.

Information

ERCOFTAC, a world leader in applied fluid dynamics, is proud to announce details of the next **ERCOFTAC Spring Festival** to be held at the *Budapest University of Technology and Economics* on the 4th May 2009.

The theme of this Festival, '*panta rhei*', refers to the colourful mix of topics that will be presented. The proposed programme aims to give a balanced overview of present and future trends in Hungarian research activities in the field of applied fluid dynamics. The contributors come from a range of institutes, namely: 50% from the university, 10% from the Research Institute of the Hungarian Academy of Sciences, and 40% from Hungarian industry.

The regional activities and future intentions of ERCOFTAC's Austria-Hungary-Slovenia Pilot Centre will also be presented by its Coordinator, Prof. Kuhlmann.

Furthermore, the activities of two of ERCOFTAC's Special Interest Groups, 'Aeroacoustics' and 'Large-Eddy simulations', will be presented by their Coordinators Prof. Juvé and Prof. Geurts, respectively.

The Festival is aimed at scientists, engineers, technical managers, and funding agencies that wish to gain an overview of local research trends and capabilities. It will also highlight the expertise that ERCOFTAC can offer its members and industry to realise their research and development needs.

Speakers

- Vad, J. *Budapest University of Technology and Economics.*
- Kristóf, G. *Budapest University of Technology and Economics.*
- Balczó, M. *Budapest University of Technology and Economics.*
- Lohász, M. *Budapest University of Technology and Economics.*
- Szabó, G. *Pont-Terv Ltd.*
- Házi, G. *MTA KFKI Atomic Energy Research Institute.*
- Szabó, K.G. *CFD.HU Ltd.*
- Németh, H. *Knorr-Bremse R&D Center.*
- Józsa, J. *Budapest University of Technology and Economics.*
- Paál, G. *Budapest University of Technology and Economics.*
- Rábai, G. *Robert BOSCH Kft.*
- Kuhlmann, H. *Vienna University of Technology.*
- Geurts, B.J. *University of Twente.*
- Juvé, D. *Ecole Centrale de Lyon.*

Speakers & Programme

Monday 4th May 2009

8:45	<i>Registration</i>	
9:00	Welcome and introduction	Vad.
9:20	Opening address on ERCOFTAC	
9:30	Adaptation of pressure based CFD solvers for mesoscale atmospheric problems.	Kristóf. Rácz, Balogh.
9:50	Validation of the microscale flow and the dispersion model MISKAM in the framework of the COST Action 732.	Balczó.
10:10	Quantifying coherent structures in Large-Eddy Simulations.	Lohász. Nagy, Tóth, Kondor.
10:30	<i>Coffee</i>	
10:50	Bridge aero-elasticity simulation by using ANSYS software.	Szabó, G.
11:10	Turbulent flow simulations using the lattice Boltzmann method	Házi. Mayer.
11:30	Boiling in a horizontal evaporator model for the nuclear industry.	Szabó, K.G. Kristóf, Regert.
11:50	Sliding bearing oil film analysis of reciprocating compressors	Németh. Veress, Kiss.
12:10	Free surface shallow flows: a challenge for measurement and numerical modelling.	Józsa, Krámer, Baranya, Sokoray- Varga, Homoródi.
12:30	<i>Buffet lunch</i>	
13:10	Numerical simulation of self-sustained flow oscillations.	Paál.
13:30	Selected CFD application examples from BOSCH Engineering Centre Budapest: Airmax HVAC blower	Rábai. Epacher, Rácz.
13:50	Introduction to the AHS Pilot Centre	Kuhlmann.
14:10	<i>Coffee</i>	
14:30	ERCOFTAC Large-Eddy simulations SIG	Geurts.
14:50	ERCOFTAC Aeroacoustics SIG	Juvé.
15:10	Panel discussion	
16:00	<i>Close</i>	