

Map of ETH Zentrum

Registration deadline: April 12, 2015

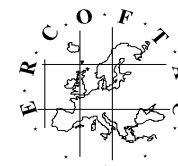
The attached registration form has to be e-mailed or faxed to:

Ms. Bianca Maspero, Secretary of the IFD
ETH Zentrum, ML H 35
Sonneggstrasse 3
CH-8092 Zürich

Phone: +41-44-632 26 47
Fax: +41-44-632 11 47
Email: maspero@ifd.mavt.ethz.ch
Web: <http://www.ifd.mavt.ethz.ch>

A fee of 30 CHF has to be paid in cash at the registration desk

- no charge for ERCOFTAC members, speakers and students
- dinner and lunch are not included in the fee



European Research Community on Flow Turbulence and Combustion

ERCOFTAC Spring Festival

April 23-24, 2015

GEP-Pavillon, ETH Zürich
Leonhardstrasse 34, 8092 Zürich, Switzerland

organized by the

Leonard Euler Center
 (Swiss ERCOFTAC Pilot Center)

hosted by the

Institute of Fluid Dynamics (IFD), ETH Zürich

The European Research Community on Flow, Turbulence and Combustion (ERCOFTAC) was founded in 1988. One of its activities is to stimulate the exchange of research results, and to strengthen the research in flow, turbulence and combustion.

The Leonhard Euler Center (LEC) is the Swiss Pilot Center within the ERCOFTAC association. The LEC organizes each year a meeting, where member scientists actively involved in fluid dynamics research can meet and discuss their work. Following the annual meetings organized between 1993 and 2012, the Scientific Committee of the Leonhard Euler Center will organize the ERCOFTAC Spring Festival 2015 at ETH Zürich on April 23 and 24, 2015, hosted by the Institute of Fluid Dynamics (IFD). The first day will consist of a conference with eight invited lectures and the second day is reserved for administrative meetings.

PROGRAM – April 23, 2015

09:30 – 09:50 **Registration**, Coffee

09:50 – 10:00 Welcome and Opening
Prof. Patrick Jenny, ETH Zurich
Prof. Ananias Tomboulides, Thessaloniki

Invited Lectures

10:00 – 10:45 **Spots, Stripes & Turbulence –
Pattern-Formation in Shear Flows**
Prof. Tobias Schneider, EPF Lausanne

10:45 – 11:15 **Coffee Break**

11:15 – 12:00 **Combustion at Low Mach Number and
its Direct Numerical Simulation at
Large Scale**
Dr. Christos Frouzakis, ETH Zurich

12:00 – 12:45 **Experimental Investigation of
Turbulent Flame Speed for Lean
Premixed Hydrogen-Rich Fuel Mixtures**
Dr. Peter Jansohn, PSI

12:45 – 14:00 **Lunch**

14:00 – 14:45 **CFD for Industrial Applications:
Quo Vadis?**
Prof. Ernesto Casartelli, HSLU

14:45 – 15:30 **Correlated Stochastic Processes
for Low Mach Rarefied Gas Flow
Simulations**
Dr. Hossein Gorji, ETH Zurich

15:30 – 15:50 **Modulated Turbulence for
Intensified Combustion**
Prof. Bernard Geurts, University of Twente

15:50 – 16:10 **Wind Farm Aerodynamics
and Acoustics**
Dr. Dominic von Terzi, GE Research

16:10 – 16:30 **High-Performance Computing for
Modern Combustion Research**
Prof. Ananias Tomboulides, Thessaloniki

16:15 – 16:30 Closing Remarks and Coffee

Meeting of the LEC Scientific Committee

16:30 – (separate agenda)

18:30 – **Dinner**

PROGRAM – April 24, 2015

09:00 – 11:30 SPC and KNC Meetings in parallel
Prof. Bernard Geurts, SPC Chairman
Prof. Anthony Hutton, KNC Chairman

11:30 – 12:15 SPC and KNC Meetings together
Prof. Ananias Tomboulides, ERCOTAC Chairman

12:15 – 13:45 **Lunch**

13:45 – 17:00 Executive Committee Meeting
Prof. Ananias Tomboulides, ERCOTAC Chairman