

## **23. ERCOFTAC ADA Pilot Centre Meeting, Zagreb, Croatia**

U suradnji s European Research Community On Flow, Turbulence And Combustion (ERCOFTAC) i Adria Section of Combustion Institute (ASCI), 03. lipnja 2016. na Fakultetu strojarstva i brodogradnje, Sveučilišta u Zagrebu, u Plavoj dvorani Istočne zgrade, održan je jednodnevni seminar na temu strujanja fluida, turbulencije i procesa izgaranja. Seminar pod nazivom 23. ERCOFTAC ADA Pilot Centre Meeting, okupio je 28 participanata iz regije. Tokom seminara održano je sljedećih 10 predavanja:

- 10:30 A Lagrangian multistage spray drying model for multiphase CFD applications  
Hriberšek Matjaž, Sagadin Gregor, Zadravec Matej, Ravnik Jure, Gomboc Timi  
Faculty of Mechanical Engineering, University of Maribor, Maribor, Slovenia
- 10:50 Numerical simulations of CCV in combustion of SI engine using 1-D/0-D modelling approach  
Sjerić Momir  
Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia
- 11:10 DNS based evaluation of P-function models for turbulent wall heat transfer  
Irrenfried Christoph, Steiner Helfried  
Institute of Fluid Mechanics and Heat Transfer, Graz University of Technology, Graz, Austria
- 11:30 CFD modelling of a real engineering applications by using Eulerian multiphase approach  
Petranović Zvonimir, Edelbauer Wilfried, Tatschl Reinhart ,Vujanović Milan, Duić Neven  
Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia
- 12:30 Stability analysis of axisymmetric flow over a sudden expansion in an annular pipe  
Beladi Behnaz, Kuhlmann Hendrik C  
Institute of Fluid Mechanics and Heat Transfer, TU Vienna, Vienna, Austria
- 12:50 CFD Modelling of Waste Combustion for Industrial Applications  
Mikulčić Hrvoje, Vujanović Milan, Duić Neven, von Berg Eberhard, Priesching Peter, Tatschl Reinhart  
Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia
- 13:10 Numerical simulation of spray process and parametrization of the atomization model coefficients  
Gadžić Andrea, Petranović Zvonimir, Vujanović Milan

Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb,  
Zagreb, Croatia

14:00 Harmonic Balance method for turbomachinery applications

Cvjetić Gregor, Jasak Hrvoje

Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb,  
Zagreb Croatia

14:20 Numerical simulation of cavitating nozzle flow

Polančec Mateo, Petranović Zvonimir, Vujanović Milan, Duić Neven

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14:40 Implementation of reaction mechanism for urea based selective non-catalytic reduction  
deNOx process within CFD framework

Baleta Jakov, Pachler Klaus, Tatschl Reinhard ,Vujanović Milan, Duić Neven

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U ime organizacijskog tima: Milan Vujanović

## Fotografije sa 23. ERCOFTAC ADA Pilot Centre Meeting









