



ERCOFTAC Spring Festival 2012

May 10-11, 2012, Helsinki, Finland
Hosted by FMI



FINNISH METEOROLOGICAL INSTITUTE



ERCOFTAC Spring Festival 2012

Program May 10, Thursday (Lecture room Aura, room number 1A09c, 1st floor)

- 09.00-09.30 Registration and coffee
- 09.30-09.45 *Opening, **Mikko Alestalo**, Director, Finnish Meteorological Institute (FMI)*
- 09.45-10.00 *On CFD networking in Finland, **Jari Hämäläinen**, Lappeenranta University of Technology (LUT)*
- 10.00-12.00 **Session 1 – FTAC in enterprises and VTT**
*CFD's role in supporting the Loviisa nuclear power plant, **Tommi Rämä**, Fortum*
*The importance of research work to Metso - modelling and experimental challenges, **Tero Pärssinen**, Metso*
*Extending R&D-services for engineering projects, **Simo Nurmi**, Elomatic*
*A multiphysical approach to simulation of rotary kilns, **Eero Immonen**, Process Flow Ltd*
*Rheological characterization of complex fluids using Multi Scale velocity profile measurements, **Antti Koponen**, VTT Technical Research Centre of Finland*
- 12.00-13.00 Lunch
- 13.00-14.30 **Session 2 – FTAC in TUT and Aalto**
*Simulation of particle-gas flow in cyclone using URANS, **Aku Karvinen**, Tampere University of Technology (TUT)*
*Reactivity of Solid Fuels, **Henrik Tolvanen**, TUT*
*Large-Eddy Simulation of Supersonic Jets, **Ville Vuorinen**, Aalto University*
*Constructing a Discrete Adjoint Solver for Incompressible CFD, **Mikko Auvinen**, Aalto University*
- 14.30-15.00 Coffee
- 15.00-16.30 **Session 3 – FTAC in LUT and FMI**
*Three-dimensional modelling of circulating fluidized bed processes by a semi-empirical approach, **Kari Myöhänen**, LUT*
*CFD modelling on wind flow, **Ashvin Chaudhari**, LUT*
*Large eddy simulation studies on convective atmospheric boundary layer, **Antti Hellsten**, FMI*
- 16.30 End of the seminar

ERCOFTAC Scientific Program Committee (SPC) meeting

Time: Friday May 11, 2012 at 9:00-12:00

Place: Lecture room Tellus, room number 3D19c, 3rd floor

ERCOFTAC Industrial Program Committee (IPC) meeting

Time: Friday May 11, 2012 at 9:00-12:00

Place: Lecture room Sykloni, room number 4A08c, 4th floor

ERCOFTAC Executive Committee (EC) meeting

Time: Friday May 11, 2012 at 14:00-17:00

Place: Lecture room Tellus, room number 3D19c, 3rd floor