

Tuesday, June 6

- 09:00 Check in & Registration
- 09:30 **Welcome**
Thomas Jensen, Flow Science
- 09:45 **FLOW-3D solver developments**
Michael Barkhudarov, Flow Science
- 11:00 **Improvement of heat transfer model: Radiation between solid components**
Raul Pirovano and Palo Airoldi, XC Engineering
- 11:30 Break
- 11:50 **Simulation of core making processes**
Matthias Todte, Flow Science Deutschland GmbH
Olof Hilger, Simcast GmbH
- 12:20 **Porosity validation in a cast iron component produced by lost foam casting**
Roberto Saponelli, Emanuele Andalò, Valentina Virgilli, Protesa (a company of SACMI group)
- 12:50 **Effect of temperature distribution during the filling of an aluminum high pressure die casting**
Fátima Méndez-Medina and Saúl Caballero-Hidrogo, Nematik Monterrey
- 13:30 Lunch
- 15:00 **Modelling of upper stage dynamics including fuel sloshing**
Francesco De Rose, Airbus Safran Launchers
- 15:30 **Simulation of sloshing inside an automotive fuel tank**
Francesco Fortunato, Fulvio Damiano and Pino Giliberti, FCA
Assunta Andreozzi, DII - Università Federico II di Napoli
- 16:00 Break
- 16:20 **CFD modelling of droplet formation in microarrays**
Julien Bœuf, Roche Diagnostics GmbH
Alexander Meier, Roche Diagnostics International AG
- 16:50 **Optimization of magnetic blood cleansing microdevices**
Jenifer Gómez-Pastora, University of Cantabria
- 17:20 **Optimize your flow using FLOW-3D and CAESSES**
Stefan Harries, Friendship Systems
- 20:30 **Conference Dinner at ULTRAMARINOS**

Wednesday, June 7

- 09:30 **User interface engineering: Building an intuitive experience**
Thomas Jensen, Flow Science
- 10:15 **CFD analysis of air-water flow structure in a circular dropshaft**
Muhammed Uçar and S. Y. Kumcu, Necmettin Erbakan University
- 10:45 **Levelling system new shipping lock IJmuiden, the Netherlands**
Jeroen Adema, Arcadis Netherlands
John Richardson, Arcadis USA
- 11:15 Break
- 11:35 **Numerical investigation on the influence of the surface tension and the contact angle on the film stability in reverse-roll coating process**
Zia Jang, M. Semel, A. Delgado, Lehrstuhl für Strömungsmechanik (LSTM), Friedrich-Alexander-University Erlangen
- 12:05 **3D numerical simulations of 3D printing: Additive manufacturing in single and multi-layer powder beds**
Raed Marwan and Shuhei Baba, Flow Science Japan
- 12:35 **Nove Herminovy Dam – hydraulic modelling**
Tomas Studnicka, Aquatis
- 13:05 Lunch
- 14:35 **Spillway assessment with *FLOW-3D***
John Chesterton, Mott MacDonald
- 15:05 **Modelling oscillating flow structures: the cylinder laminar wake case study and a shallow reservoir application**
Daniel Valero, FH Aachen University of Applied Sciences, University of Liège
Daniel B. Bung, FH Aachen University of Applied Sciences
Sebastien Erpicum and Benjamin Dewals, University of Liège
- 15:35 **3D Model of hydraulic efficiency of a grate inlet for streets**
Jackson Tellez-Alvarez and Manuel Gomez, Institute FLUMEN
Beniamino Russo, Technical College of La Almunia (University of Zaragoza)
- 16:05 Break
- 16:25 **Numerical investigation of a combined system of piano key weirs and stepped spillway**
Metek Koken and Ismail Aydin, Middle East Technical University
- 16:55 **Open Forum**