Fluids

THURSDAY'S SESSIONS

4.00–6.00 PM

4.00–4.30 PM
Jiří Vondál
SVS FEM
"Safety of equipment in energy and manufacturing plants" CZECH

Are you interested in simulations that can be used to ensure the safety of operating equipment? In applications with fluid flow, there are a number of risks associated with their operation, which can be predicted in advance and adequate measures prepared, whether it is the occurrence of water hammer, the risk of gas explosion, or critical applications for heat transfer.

4.30–4.50 PM
Rostislav Chotěborský
Czech University of Life Sciences Prague
"DEM in agri-food simulations" CZECH

The use of discrete element modeling in the field of agri-food technologies focused on modeling not only soil processing units, but also technology using field robots. Selected issues from post-harvest technologies and their simulation using DEM-SPH.

4.50–5.10 PM
Tomáš Krátký
Hydraulic Research Centre
"Hydraulic surfaces with functional structures" CZECH

5.10–5.30 PM
Radim Burda
SVS FEM
"Parametric flow simulations in Ansys Discovery" CZECH

5.30–6.00 PM
Jiří Vondál
SVS FEM
"Simulation of material flow in a lime furnace" CZECH

FRIDAY'S WORKSHOPS

9.00 AM – 1.15 PM

NEW! REPEATED WORKSHOPS

9.00–9.20 AM
Jiri Drozda
Ansys Germany
2 **"Ansys optiSlang"** CZECH

9.20–9.40 AM
Jiří Vondál
SVS FEM
3 **"Simulation of air flow in urban environment"** CZECH

9.40–10.00 AM
Radim Burda
SVS FEM
4 **"Parametric simulations of blade machines"** CZECH

10.00–10.20 AM
Jiří Vondál
SVS FEM
5 **"Meshless Methods for Fluid Flow Simulation - Ansys Rocky and Particleworks"** CZECH

10.20–10.40 AM
Radim Burda
SVS FEM
6 **"Data processing from simulations and experiments using Ansys optiSlang"** CZECH

10.40–11.00 AM
Jiří Vondál
SVS FEM
7 **"Tips for speeding up work in Ansys Fluent (expression, pyFluent, processing monitors, …)"** CZECH

11.00–11.15 AM

REPEATED WORKSHOPS:

11.15–11.35 AM	**REP. 2** Ansys optiSlang, Jiri Drozda
11.35–11.55 AM	**REP. 3** Simulace proudění vzduchu ve městech, Jiří Vondál
11.55–12.15 AM	**REP. 4** Parametrické simulace lopatkových strojů, R. Burda
12.15–12.35 AM	**REP. 5** Bezsíťové metody simulace proudění kapalin – Ansys Rocky z Particleworks, Jiří Vondál
12.35–12.55 AM	**REP. 6** Zpracování dat ze simulací a experimentů pomocí Ansys optiSlang, R. Burda
12.55–1.15 PM	**REP. 7** Tipy pro urychlení práce s Ansys Fluent (expression, pyFluent, zpracování monitorů, …), Jiří Vondál

1.15 PM

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2.–4. 10. 2024

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