

PFAU 7.0 University of Leoben 18/11/2013

PFAU 7.0:

Palaver on Foam - Austrian Users “Stammtisch”

November the 18th , 2013

Host:

Alexander Vakhrushev (alexander.vakhrushev@unileoben.ac.at),

on behalf of Christian Doppler Laboratory for

Advanced Process Simulation of Solidification and Melting

<http://smmp.unileoben.ac.at>

University of Leoben



Simulation & Modellierung metallurgischer Prozesse,
Department Metallurgie, Montanuniversität Leoben



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OUTLINE

- **Registration / participants' arrival**
- **Welcome**
- **Presentations session I**
(20 + 5 min per talk/questions)
- **Lunch at the Mensa**
- **Presentations session II**
(20 + 5 min per talk/questions)
- **BoF sessions**
- **Conclusions and next meeting plan**



Meeting schedule 9:30 – 16:30

9:30 – 10:00

Participants' arrival / Registration / Come together

10:00 – 10:10

Welcome (Alexander Vakhrushev, Uni Leoben)

10:10 – 10:30

Bernhard Gschaider (ICE-SF): “New features of swak4Foam”

10:35 – 10:55

Stefan Radl (TU Graz): “New Particle Probe Features in CFDDEM“

11:00 – 11:20

Alice Hager (JKU Linz): “Raceway development in a cold pseudo 2D model using OpenFOAM based solvers and LIGGGHTS“

11:30 – 12:30 Lunch break in Mensa



Meeting schedule 9:30 – 16:30

12:35 – 12:55

Mirza Popovac (AIT):

“Numerical analysis of the air-side heat pump performance”

13:00 – 13:20

József Nagy (JKU Linz): “Polymerization and crystallization”

13:25 – 13:45

Gerhard Holzinger (JKU Linz): “Enabling the use of generic turbulence models and further extensions in twoPhaseEulerFoam. Writing a solver to simulate the flotation process.”

13:50 – 14:10

Coffee break

14:10 – 14:30

Gijsbert Wierink (JKU Linz): “Bridging scientific disciplines by CFDEMcoupling - from process industry to river bed erosion”



Meeting schedule 9:30 – 16:30

14:35 – 14:55

Mahdi Saeedipour (JKU Linz): “A numerical study of High pressure die casting”

15:00 – 15:20

Alexander Vakhrushev (Uni Leoben):

“Online modeling of the continuous casting with OpenFOAM”

15:20 – 16:20

Networking (BoF sessions),

poll on BoF sessions: <http://doodle.com/kyf3u326nyvi958u>

16:20 – 16:30

Conclusions and the future plans for PFAU

