

PFAU 11 University of Leoben 26/11/2015

**PFAU 11:
Palaver on Foam - Austrian Users “Stammtisch”**

November the 26th , 2015

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



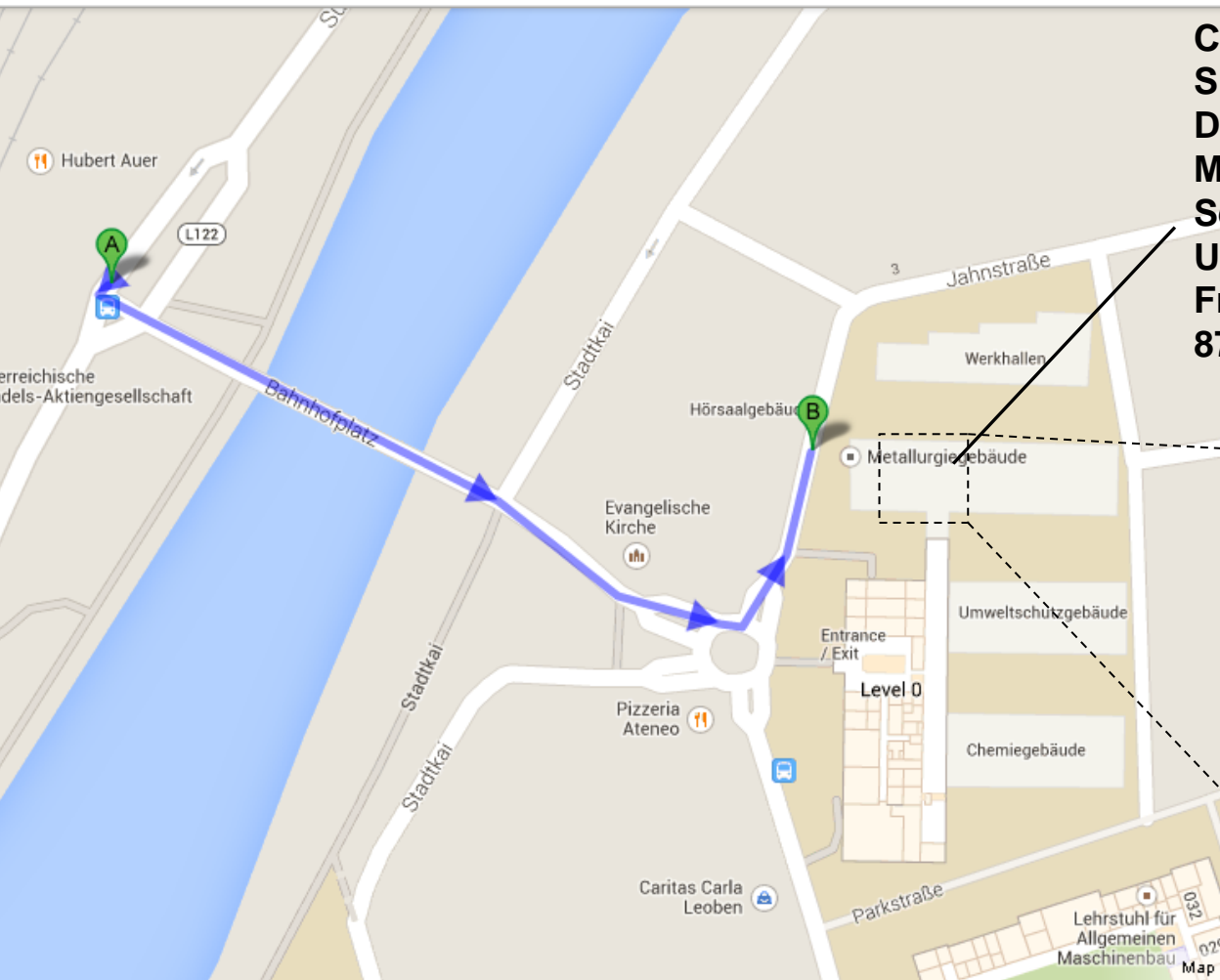
Simulation & Modellierung metallurgischer Prozesse,
Department Metallurgie, Montanuniversität Leoben



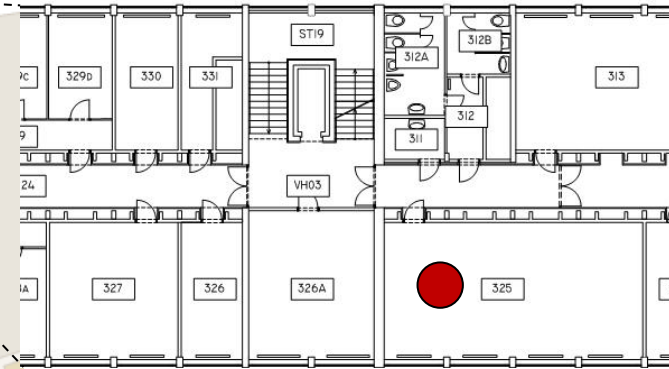
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How to get to PFAU 11



**Chair for Modelling and Simulation of Metallurgical Processes
Department of Metallurgy
Metallurgiegebäude 3.OG,
Seminar room 325
University of Leoben
Franz-Josef Strasse 18
8700 Leoben Austria**



OUTLINE

- 9:30–10:00** **Come together**
- 10:00** **Welcome (A. Vakhrushev, CD-Lab)**
- 10:10** **Presentations session I**
(20 + 5 min per talk/questions)
- 11:30** **Lunch at the Mensa**
- 12:35** **Presentations session II**
(20 + 5 min per talk/questions)
- 15:00** **BoF sessions**
- 16:00** **Official End of PFAU 11**

Meeting schedule 9:30 – 16:30

9:30 – 10:00

Participants' arrival / Registration / Come together

10:00 – 10:10

Welcome (Alexander Vakhrushev, CD-Lab MU Leoben)

10:10 – 10:30

Bernhard Gschaider (ICE-SF): “Obscure swak4Foam - Using fvOptions and plugin-functions to drive OpenFOAM to its limits”

10:35 – 10:55

József Nagy (JKU Linz): “Modeling of melting of polymer pellets for the plastification process”

11:00 – 11:20

Eva Kobler (JKU Linz): “Numerical modeling of the heat transfer during the injection molding process”

11:30 – 12:30

Lunch break in Mensa



Meeting schedule 9:30 – 16:30

12:35 – 12:55

Stefan Radl (TU Graz): “Regimes of Heat Transport in Dense Particle Beds “

13:00 – 13:20

Christian Jordan (TU Wien): “Designing Better Membrane Modules Using CFD”

13:25 – 13:45

Georg Reiss (MCL): ” Numerical Investigation of Micro-structural Transport Parameters and Corrosion Modelling of Metallic Supported Solid Oxide Fuel Cells”

13:50 – 14:10

Coffee break

Meeting schedule 9:30 – 16:30

14:10 – 14:30

Samiullah Baig (MU Leoben): "Lagrangian particles modelling using CUDA"

14:35 – 14:55

Alexander Vakhrushev (CD-Lab): "Current achievements in CC modelling"

15:00 – 16:00

Networking (BoF sessions)

16:00 – 16:30

Conclusions and the future plans for PFAU