

PFAU 15 University of Leoben 11/12/2017

**PFAU 15:
Palaver on Foam - Austrian Users “Stammtisch”**

December the 11th , 2017

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>**

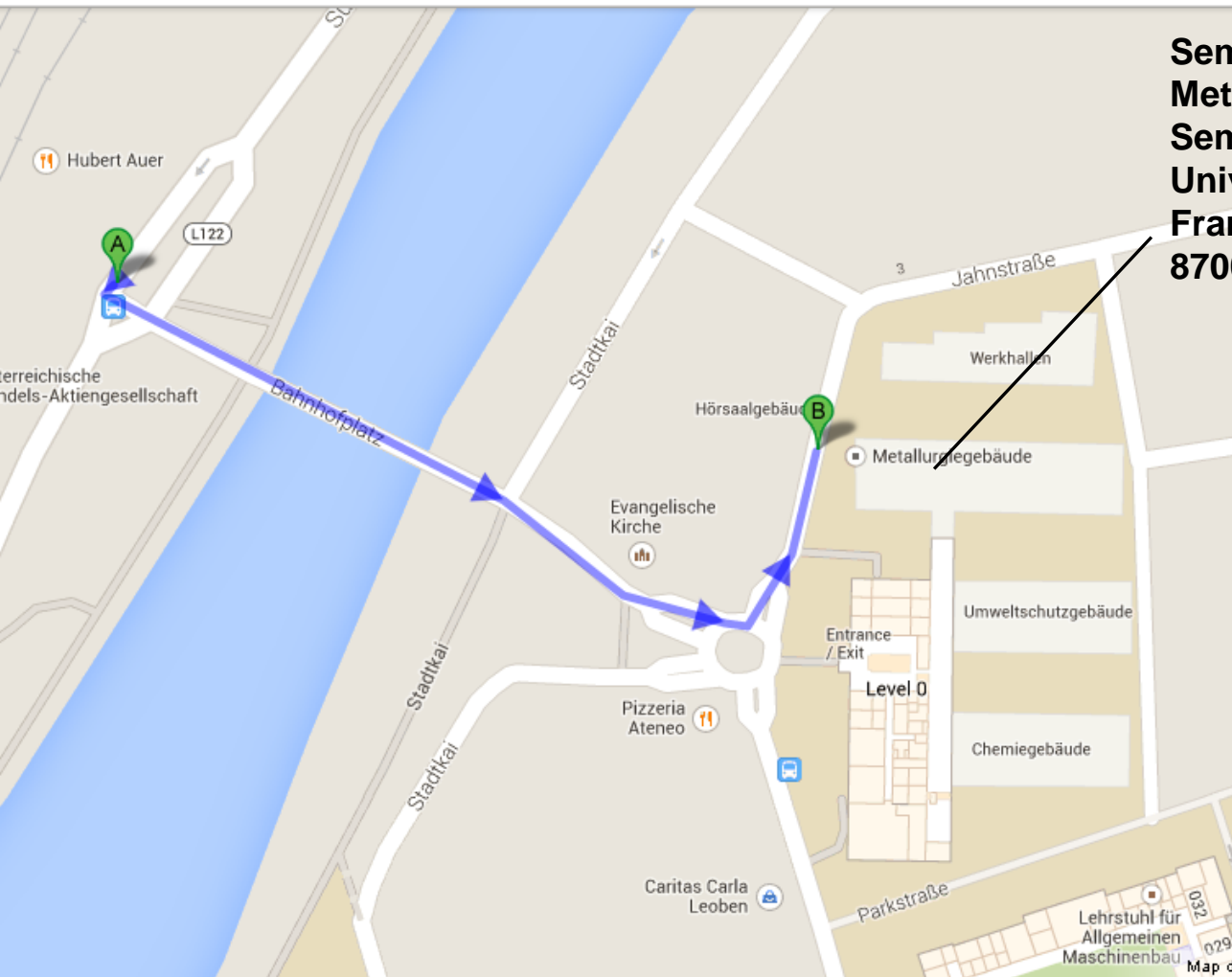
University of Leoben



Simulation & Modellierung metallurgischer Prozesse,
Department Metallurgie, Montanuniversität Leoben



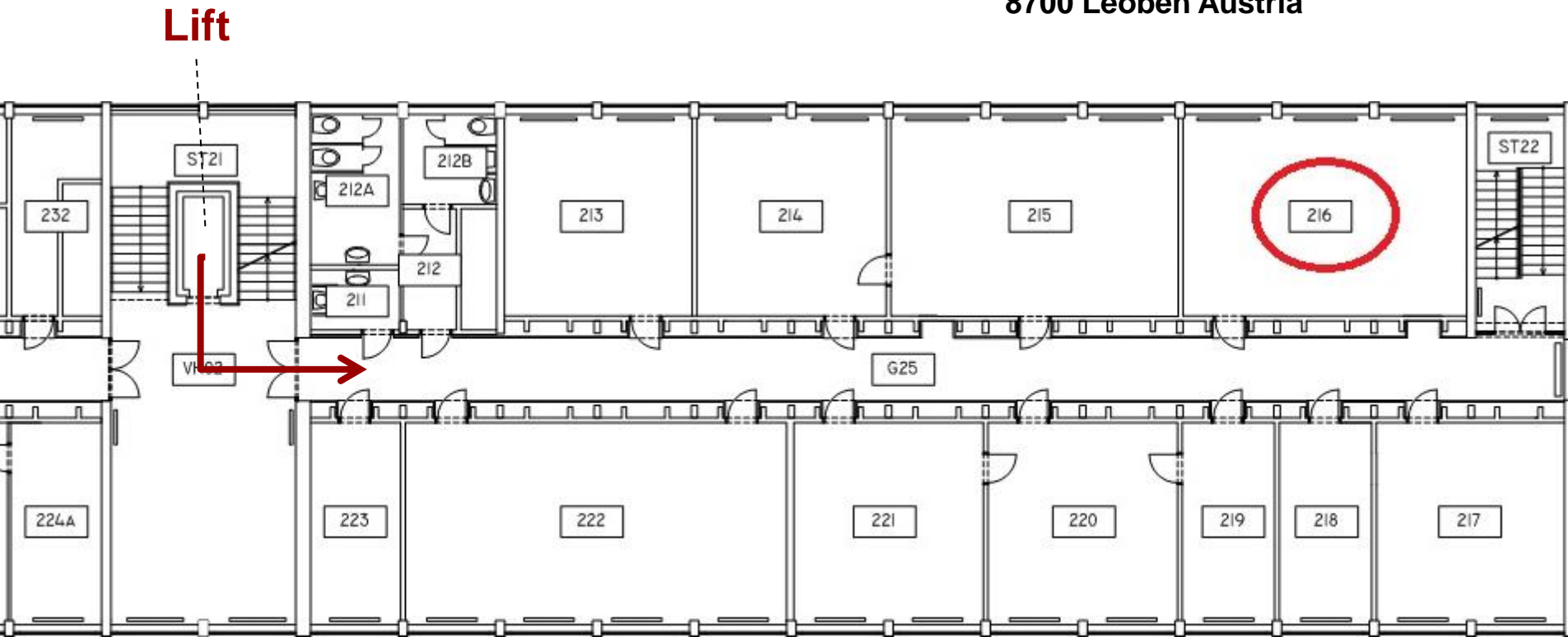
How to get to PFAU 15



**Seminarraum Eisen
Metallurgiegebäude 2.OG,
Seminar room 216
University of Leoben
Franz-Josef Strasse 18
8700 Leoben Austria**

How to get to PFAU 11

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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**
- 16:30** **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 (HFD Research GmbH): “The Moon, the Snake and the Knife”

10:35 – 10:55

József Nagy (JKU Linz): “Injection Molding”

11:00 – 11:20

Tobias Holzmann (SMMP Leoben):

”Advanced post-processing of numerical results”

”Material prediction in 3D”

11:30 – 12:30

Lunch break in Mensa



Meeting schedule 9:30 – 16:30

12:35 – 12:55

Eva-Maria Wartha (TU Wien): “Flame D modelling in OpenFOAM using EDC“

13:00 – 13:20

Paul Ecker (TU Wien): “Feasibility study of the gamma - Re turbulence model for internal mixing”

13:25 – 13:45

Christian Rodrigues (SMMP Leoben): ”Multiphase modelling of sedimentation during solidification”

13:50 – 14:10

Coffee break

Meeting schedule 9:30 – 16:30

14:10 – 14:30

Alexander Vakhrushev (CD-Lab): "Modelling electromagnetic break in continuous casting"

14:35 – 14:55

Werner Pollhammer (K1-MET GmbH); "Development of a two step simulation concept for fast and accurate prediction of NO_x using flamelet model and detailed chemistry in OpenFOAM"

15:00 – 16:00

Networking (BoF sessions)

16:00 – 16:30

Conclusions and the future plans for PFAU