

# Agenda – 3rd OpenFOAM Stammtisch in Southern Germany

April 3rd, 2009 – Technische Universität München (Campus Garching)

## Warm-Up

10:00 – 10:20 Presentation of a OpenFOAM Live-Distro (Henrik Rusche; Wikki GmbH)

## Technical Session (talks & discussion)

### 10:20 – 11:20 Fluid Structure Interaction & Code Coupling

10:20 – 10:40 Fluid Structure Interaction with OpenFOAM (Henrik Rusche; Wikki GmbH)

10:40 – 11:00 Wind Flow around Structures – Physics and Computational Modeling Aspects in Atmospheric Boundary Layer Simulations (Majid Hojjat; Technische Universität München)

11:00 – 11:20 Large Scale Fluid-Structure Interaction by coupling OpenFOAM with external codes (Thomas Gallinger; Technische Universität München)

short coffee break

### 11:45 – 12:15 Multiphase Flow

11:45 – 12:15 Tandem Presentation:  
Simulation of Free-Surface and Dispersed Gas-Liquid Flows in OpenFOAM  
(Joao Carneiro, Holger Marschall; Technische Universität München)

lunch break

### 13:20 – 13:40 Optimization

13:20 – 13:40 Automatic Geometry Optimization of Automotive Exhaust Systems with Adjoint CFD-Methods in OpenFOAM (Christof Hinterberger; EMCON Technologies Germany (Augsburg) GmbH)

## BoF Session (interactive workshop & discussion)

### 13:45 – 16:30 BoF Workshop

The BoF session will be organised along with the formation of different interest groups attending, e.g.

- Turbulence modelling
- Turbomachinery and Flow in rotating systems
- Fluid-Structure interaction
- Mesh handling (moving mesh, mesh generation)
- Multiphase flows and rheology
- Optimization
- ...

### 16:30 – 18:00 Discussion

## Get-together – Restaurant Roma in Garching

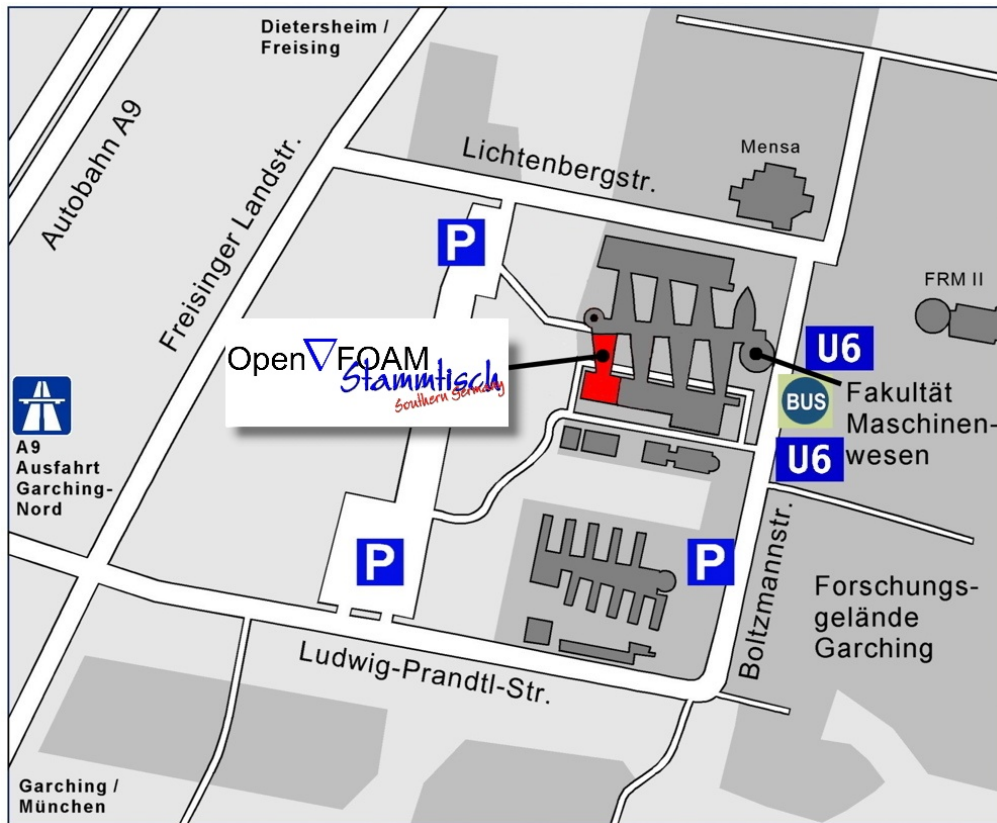
(Pizzeria in Garching, 18:30, direct payer)

---

Please note that all sessions at the OpenFOAM Stammtisch are INTERACTIVE:

**ASK QUESTIONS & START DISCUSSIONS!**  
**FOR CODING PLEASE DON'T FORGET YOUR LAPTOPS!**

## Travel Instructions



### Via Railway

You can reach our location in Garching simply by using S- and/or U-Bahn transportation. From the main train station take any S-Bahn line in the direction to Ostbahnhof and exit at Marienplatz. From there, change to U6 exit Garching-Forschungszentrum. Garching-Forschungszentrum is the terminal stop of the line U6. Please keep in mind, that the U-Bahn to station Garching-Forschungszentrum commutes between 7 and 9 a.m. and between 4 and 6 p.m. every 10, after and before that only every 20 min.

### Via Airplane

After arriving in Munich by plane, you are located at the airport Munich-Erding. From there, the best way to commute to our location is to take the S-Bahn (Line 1) to Neufahrn and then to switch to the bus (line 690) until Garching - Forschungszentrum.

### Via Car

Arriving by car, the best way to reach us is using the Autobahn A9. Exit at Garching-Nord and drive on the Ludwig-Prandtl-Strasse until the TU-Area. You can find further information (exact location of the department and places to park) in the map above.

---

For more informations and additional maps visit  
[http://openfoamwiki.net/index.php/Local\\_User\\_Groups/\\_Local\\_User\\_Group\\_Germany](http://openfoamwiki.net/index.php/Local_User_Groups/_Local_User_Group_Germany)