

Elitenetzwerk
Bayern



BGCE Research Day Summer Term 2015

CE @ FAU

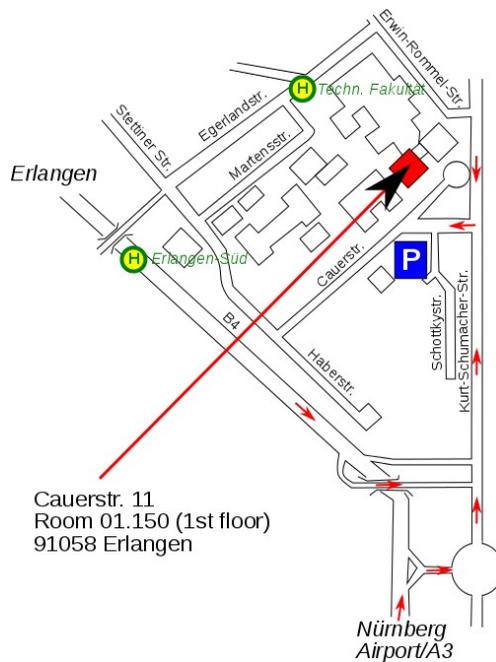
July 9th 2015



- 13:45 – 14:15** Welcome of Our Guests
- 14:15 – 14:30** Announcements
- 14:30 – 15:00** CSE students: *Pro&Contra*
After Studies: Stay abroad or stay home?
- 15:00 – 16:00** David B. Emerson (Tufts University):
*Finite-Element and Multigrid Methods for Liquid
Crystal Configurations under the Frank-Oseen Free-
Energy Model*
- 16:00 – 16:30** *Coffee Break*
- 16:30 – 17:00** Michael Rippl: *Fluid-Particle Interaction with
Lattice Boltzmann.*
- 17:00 – 17:30** COME students Work-in-Progress:
- Massimo Carraturo: *Lagrange multipliers in
Contact Mechanics using Finite Cell Method
(FCM).*
 - Daniel Scheffold: *Numerical shaker simulation -
Dynamic FE-simulation for the lifetime
assessment of the car front section.*
 - Martin Ruchti: *Shape Sensitivities in Flow
Problems.*
- 17:30 – 18:00** Boddu Vishal: *Atomistic-to-Continuum Modeling.*
- 18.00** Pizza

Location:

Room 01.150, Cauerstr. 11



Upcoming Events:

- ◆ **Compact Course (Erlangen):** 27-31. Juli 2015
“Introduction to numerical analysis of stochastic differential equations” (Mattias Sandberg, KTH Stockholm)