



Bavarian Graduate School of  
Computational Engineering



Block Seminar

# BGCE Research Day

## Program for the Research Day, May 18, 2017

**Location:** Seminar room 001 (ground floor) at Zentrum für Energie u. Information, Lichtenbergstr. 4a, Garching

### Arrival

13:45 Arrival of our guests from CE/Erlangen and come.tum/München

### Presentations

- 14:15 Hans-Joachim Bungartz:  
*Address of welcome and announcements*
- 14:30 Alice-Agnes Gabriel:  
*Petascale computation of multi-physics seismic simulations - and beyond*
- 15:30 come.tum/München:  
Pro & Con: *BIG | small*
- 16:00 Coffee Break
- 16:30 CSE/Garching:  
Nathan Brei: *Customized static analysis of C/C++ programs using Clang*
- 17:00 CE/Erlangen: Work in Progress:
- Theresa Pollinger: *Code Sustainability - a Necessity for CSE Research*
  - Nivesh Domaraju: *Morphogenesis of Cerebral cortex*
  - Christoph Schwarzmeier: *Performance Comparison between FEM and LBM for Stokes Flow*

17:30 CSE/Garching:  
Ivana Jovanovic, Natalia Saiapova, Yehor Yudin: *BGCE Project: Data Intensive Distributed Computing Workflows in Light Microscopy*

**Get together**

18:30 Pizza

17. Mai 2017