

# BGCE Research Day

Program for the Research Day on November 21, 2024, 14:15 – 18:30

**Location:** Room 2.049, RRZE-Building, Martensstraße 1, 91058 Erlangen

## Arrival

14:00 Arrival of our guests from Garching & Munich (CSE & CoMe)

## Presentations

14:15 Welcome Address and Announcements

14:15 [Work in Progress \(CSE and CE\)](#)

Ole Perersen: **LLMs in negotiations**

Cuong Chu Tan: **Markov Decision Process in robot swarm navigation**

14:45 Coffee Break

15:05 [Invited Talk](#)

Fedor Hrunski (Institute of Applied Quantum Technologies):

**Quantum Enhanced Electric Field Mapping within Semiconductor Devices**

15:45 Coffee Break

16:10 [Presentation \(CSE\)](#)

Nikita Mashaev: **Solving incompressible Navier-Stokes equations on the staggered and collocated grids**

16:50 [Pro & Con \(CoMe\)](#)

Finlay McRae, Roman Podieiablonkii, Cuong Chi Huynh

**VAR - An Exemplary Case of when the Use of AI is unnecessary**

## Get Together

17:20 Pizza

## Location

Room 2.049 (Konferenzraum 1)  
Regional Computing Center (RRZE)  
Martensstraße 1  
91058 Erlangen

How to find the room:

1. Find the tall blue building
2. Enter the smaller grey building attached to it (Erlangen Regional Computing Center - RRZE)
3. Walk to the second floor

