



Bavarian Graduate School of Computational Engineering

## BGCE Research Day

### Programme for the Research Day on May 11, 2023, 14:15 - 19:15

**Location:** Seminar room: 5530.EG.003, TUM Graduate School (IGSSE) building, Boltzmannstr. 17, Garching (cf. map on 2nd page).

#### Arrival

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

#### Presentations

14:15 Hans Bungartz: *Address of welcome and announcements*

14:30 Andrea de Girolamo:  
*Hybrid tensor network contraction methods for quantum supremacy circuits*

15:00 Manish Kumar Mishra:  
*A computational approach to aerospace design*

15:30 CSE: *Work in Progress*

- Piyush Karki: *Different CNN Architectures(backbones) for Lane Detection Neural Networks*
- Aditya Phopale: *Domain Decomposition to accelerate learning of PINNs*

15:50 Coffee Break

16:30 Invited Speaker: Christoph Kowitz @ Infineon

17:30 COME: *Pro & Con: ChatGPT and Academia* by Juan Angelo Vargas Fajardo, Ho Kiu Holdee Pang & Bojidar Todorov.

#### Get-together

~18:15 Pizza

## Announcements

o Next Research Day: 12.01.23 (München)

Seminar room: 5530.EG.003, TUM Graduate School building, Boltzmannstr. 17, Garching (ground floor left)

How to get there:

