



Research Unit CoDA

# Summer School 2

19 July – 22 July 2022

# Program

## Tuesday, 19 July

- 08:30 am **Transfer from Munich (TUM, Arcissstraße 21, Inner courtyard) to Schneefernerhaus**
- 11:00 am **Welcome Reception**
- 12:00 pm **Lunch**
- 01:30 pm **Plenary 7**  
CoDA Unit
- 06:00 pm **Dinner**

## Wednesday, 20 July

- before **Breakfast**
- 08:00 am
- 08:00 am **Realignment Phase 2**  
CoDA Unit
- 09:30 am **Individual Discussion**  
CoDA Unit
- 11:00 am **Permafrost Monitoring at Mt. Zugspitze with Seismic (Coda) Waves: from Single Station to Distributed-acoustic Sensing**  
Fabian Lindner,  
Ludwig-Maximilian-Universität München
- 12:00 pm **Lunch**
- 01:30 pm **Limitations of Coda Wave Interferometry for Reinforced Concrete Structures with Advanced Damage**  
Thomas Schumacher,  
Portland State University
- 02:50 pm **Group Picture**
- 03:00 pm **Thermally Induced Acoustic Nonlinearity and its Applications to NDE**  
Jinying Zhu,  
University of Nebraska-Lincoln
- 04:30 pm **Poster Session**
- 06:00 pm **Dinner**

## Thursday, 21 July

before Breakfast  
08:00 am

08:00 am **Rissbildung im Stahlbeton mit besonderem Augenmerk auf den Verbund zwischen Beton und Bewehrung**  
Dirk Schlicke,  
Graz University of Technology

09:30 am **Development of Concrete Microstructure: Hydration, Shrinkage, Creep and Changes due to Environmental Load**  
Charlotte Thiel,  
Ostbayerische Technische Hochschule Regensburg

11:00 am **Ultrasound-based Testing and Monitoring of Infrastructure**  
Ute Rabe, Fraunhofer IZFP

12:00 pm Lunch

01:30 pm Guided Tour Schneefernerhaus

03:00 pm **Bauwerksprüfung nach DIN 1076 – Aktuelle Fortschreibung der Grundlagen**  
Gero Marzahn, Federal Ministry for Digital and Transport

03:50 pm **RTG 2075 – Aging of Materials and Structures: Experiments, Modelling and Numerical Analysis**  
Ursula Kowalsky and  
Roland Wüchner, Technische Universität Braunschweig

06:00 pm Dinner

## Friday, 22 July

before Breakfast  
08:00 am

08:00 am **Machine Learning Based Applications of Coda Waves: Current and Future Activities**  
Sadegh Karimpouli,  
University of Zanjan

09:30 am **A new AI/ML Framework for Materials Innovation**  
Surya Kalidindi, Georgia Tech

10:50 am **Transfer from Schneefernerhaus to Munich**  
Planned arrival in Munich around 2 pm

## Location

Betriebsgesellschaft  
Umweltforschungsstation  
Schneefernerhaus GmbH  
Zugspitze 5  
D-82475 Zugspitze, Germany

Access via the Tourist Station “SonnAlpin”  
and further on with the UFS Cable Car.

## Operating hours cable car/train:

08.00 am–04.00 pm

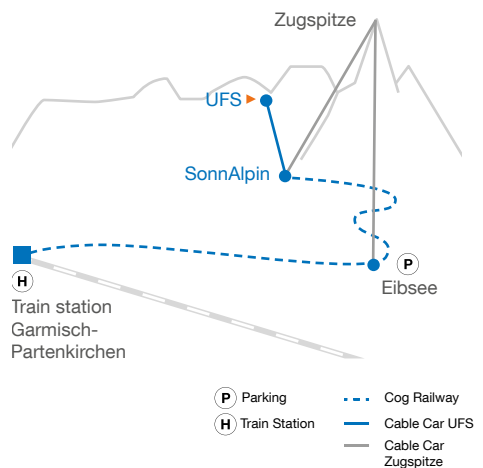
## Contact

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## Individual Arrival by car/train

Free parking at Parking “Eibsee”.  
Please leave a note with code word:  
“Schneefernerhaus: bis 22.7.”

Arrivals at train station Garmisch-  
Partenkirchen use the connecting  
“cog railway” to station “Eibsee”  
and “Zugspitzplatt”.



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## Technical University of Munich

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