

Centre for Building Materials
TUM Department of Civil, Geo and Environmental Engineering
Technical University of Munich



Research Unit CoDA

Summer School

27 September – 2 October 2020

Program

Sunday, 27.09.

Arrival

5:00 pm **Welcome Reception**

7:30 pm **Dinner**
RUB1 + TUM1

5:00 pm **Coordination of the Unit**
All

7:30 pm **Dinner**
RUB2 + TUM2

Monday, 28.09.

CoDA Project Meeting

8:30 am **Summer School Opening**
Christoph Gehlen

8:45 am **Subprojects Status Update**
Doctoral Students

12:00 pm **Database Update**
Herbert Wiggenhauser

12:30 pm **Lunch**

1:30 pm **Micro Deterioration
Mechanisms**
Charlotte Thiel

2:45 pm **Macro Deterioration
Mechanisms**
Peter Mark

4:00 pm **Update on Gänstorbrücke**
BAM

Tuesday, 29.09.

Alignment CoDA Phase 2

8:30 am **Alignment Phase 2**
All

12:30 pm **Lunch**

1:30 pm **Individual Discussion**
All

5:00 pm **Materials Innovation Driven by
Data and Knowledge Systems**
Surya Kalidindi

7:30 pm **Dinner**
BAM + BU

Wednesday, 30.09.

Impulse Lectures and Social Event

8:30 am **NDE and SHM as Tools towards a Digital Twin in CE**
Christian Große

9:45 am **Multi-physics and Multi-fidelity Digital Twins enabled by the Open-Source Software Framework Kratos**
Riccardo Rossi

11:00 am **Fibre Optic Strain Measurements for Building Condition Monitoring and Assessment**
Fritz Vogdt

12:15 am **Lunch**

1:00 pm **Guided Field Trip to Lake Königsee**

7:30 pm **Dinner**

Thursday, 01.10.

Impulse Lectures and Workshop

8:30 am **Reliability Assessment of NDT in Civil Engineering**
Sylvia Kessler

9:45 am **Tutorial about Machine Learning in Mechanics**
Miguel A. Bessa

11:00 am **Betonage unter Verkehr – Einfluss von Schwingungen auf die Betonerhärtung**
Sebastian Krohn

12:00 pm **Lunch**

1:00 pm **Permanent Monitoring and Real Time Early Warning System for Infrastructures with Acoustic Emission**
Michael Häuserer

3:00 pm **Technical Seminar and Professional Development Workshop**
Roel Snieder

7:15 pm **Summer School Closing**
Christoph Gehlen

7:30 pm **Dinner**

Friday, 02.10.

Paper Writing

8:30 am **Paper Writing**
Doctoral Students

1:00 pm **Lunch**

2:30 pm **Departure**

Location

Friedrich N. Schwarz Research Station
Rossfeldstrasse 150
83471 Berchtesgaden, Germany

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