





3rd workshop on Chinese-German cooperation project:

Multiscale tests, simulation, optimization and 3D printing of UHPFRC materials and structures

18. September 2024, 09:00 AM - 11:30 AM, IC 6/90 Ruhr-Universität Bochum

Intelligent identification of micro components and defects in composites based on deep learning and active contour modeling of X-ray CT Images

Qiwei Qian - Wuhan University

Early Damage Assessment in Concrete Structures: A multi-scale simulation and machine learning approac

Dr.-Ing. Ba Trung Cao - Ruhr University Bochum

A Multi-field Coupled Cohesive Damage Phase-Field Method for Complicated Hydraulic Fracturing in Quasi-Brittle Materials

Xiaoyan Li - Wuhan University

Coffee Break

10:20 Steel fiber reinforced concrete for tunnel lining

Dr. Zhen Liu - Tongji University/Ruhr University Bochum

Simulations of shear failure in concrete beams reinforced with WFRP stirrups considering interface and material anisotropy

Dr. Xin Zhang - Zhejiang University

Computational modeling for shotcrete in NATM tunneling

Rodolfo Williams - Ruhr University Bochum

Guests are welcome