Bauhaus-Universität Weimar

BAUHAUS SUMMER SCHOOL 2024

ERASMUS BIP

17.08.–31.08.2024

in Weimar

NextGen Engineers

Advanced Training Courses for a Sustainable Tomorrow

Apply by 01.06.2024

In our two-week intensive course, you will embark on a journey to master complex engineering challenges, utilizing modern tools and establishing their scientific relevance within existing interdisciplinary projects with a focus on sustainability, utilizing modern tools and aligning your projects with the Sustainable Development Goals (SDGs).

PROJECTS 2024

Target group: *Bachelor & newcomer within the offered topic*

Project 1: Experience Optimization Vividly with Self-built Robots

Prof. Tom Lahmer (Chair of Optimization and Stochastics),
Jun.-Prof. Lars Abrahamczyk, M.Sc. Melad Haweyou (Chair of Advanced Structures)

Project 2: Use of Polymer-Modified Concretes (PCC) for Innovative Refurbishment Solutions

Dr.-Ing. Alexander Flohr (Chair of Construction Chemistry and Polymer Materials),
Jun.-Prof. Luise Göbel (Chair of Mechanics of Engineering)

Target group: *M.Sc. and early PhD*

Project 3: Structural Wind Engineering

Jun.-Prof. Anastasia Athanasiou (Chair of Natural Hazards and Structural Resilience),
Prof. Guido Morgenthal (Chair of Modelling and Simulation of Structures)

Project 4: Practical Applications of Autoclaved Aerated Concrete (AAC) in Sustainable Construction

Dr.-Ing. Ehsan Harirchian, Prof. Tom Lahmer (Chair of Optimization and Stochastics)

Project 5: Nonlinear Modelling and Analysis of Unreinforced Masonry Structures

Jun.-Prof. Lars Abrahamczyk, M.Sc. Aanis Uzair (Chair of Advanced Structures)

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