SUPER – Stuttgart University Program for Experiencing Research Project Information

Institute’s Information

Name of Institute  Institute for Computational Design and Construction

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Duration of Project/Number of Students

June/July  
June/July/August  x

Number of Students  2

Name of Project  Integrative Technologies and Architectural Design Research Project

(ICD/ITKE Research Pavilion 2019)

Beneficial Skills & Knowledge  Rhino, Grasshopper, Python, ...

Description of Work

Adaptive Morphology: Between mechanism and material (ICD/ITKE Research Pavilion 2019)

The project offers students the opportunity to engage with the possibilities offered by novel integrative technologies for architecture, both for the processes of architectural design and building construction. The design studio starts in the winter term with initial investigations on the topic and a series of informed fabrication, material and actuation proposals for application as proto architectural systems. The most promising concept developed during the design studio in the winter term will be the starting point for the development and fabrication of the 2019 ICD/ITKE Research pavilion 2018 in the summer term. Students joining in the summer will participate in development and fabrication of the pavilion.