Bachelor/Master Thesis

In this BSc. or MSc. project, the candidate will join a small and interdisciplinary team of architects, cybernetic/control and mechanical engineers working on an adaptive kinetic façade project funded by the DFG, German Research Foundation. As a Bachelor/Master student you will support A07 research project part of the CRC1244, where the task is to research, design and develop transformable joints and soft actuators.

Supervisors
Jun. Prof. Dr.-Ing. Maria Matheou, Institute for Lightweight Structures and Conceptual Design (ILEK)
Dr.-Ing. Michael Böhm, Institute for System Dynamics (ISYS)

Your tasks:
• Literature research on state-of-the-art transformable joints and soft actuators
• Design and development of a transformable joint
• Implement simple automation concept
• 3D modelling and Prototyping
• Documentation

Application
We are looking forward to your application with resume, portfolio and transcript of records under the keyword “SFB 1244 - A07_Thesis”.

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