University of Stuttgart
Germany

SUPER – Stuttgart University Program for Experiencing Research
Project Information

Institute's Information

Name of Institute	Institute for Chemical Process Engineering
Contact Person	Andrej Grabowski
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Duration of Project/Number of Students

June/July	
June/July/August	both possible
Number of Students	1

Name of Project Novel membrane device for desalination of aqueous solutions

Beneficial Skills & Knowledge Chemical Engineering; Plastics Engineering; Mechanical Engineering; Polymer Chemistry; Physical Chemistry, or similar

Description of Work

Institute for Chemical Process Engineering develops new concepts of membrane reactors for further realization in industrial products. We innovate using advanced materials and manufacturing techniques.
For energy-efficient removal of salt from water and other liquids we are developing a new membrane and device.
The tasks in this project will be:

- Preparation of membranes.
- Developing a test method for characterization of the membranes.
- Designing prototype parts and appliances.
- Assembling and experimental evaluation of the membrane device.

For those who are willing to unleash creativity, get responsibility and act hands-on!
You're welcome to join our team and actively participate in an exciting technology and product development.