

Project Information

Institute's Information

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|-------------------|--|
| 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 membranes and devices for water purification

Beneficial Skills & Knowledge

Chemical Engineering; Plastics 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:

- Manufacturing membranes in different compositions.
- Developing a test method for characterization of the membranes.
- Assembling the membrane device.
- Experimental evaluation of the prepared membrane device for desalination purpose.

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.

