

## Science and Engineering Research Program 2020 Project Proposal

Hochschulbüro für  
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institute: Institute of Thermodynamics

project title: Expansion and commissioning of a  
PEM fuel cell test bench.

project description: The Institute of Thermodynamics has  
a test bench for PEM fuel cells, which  
ought to be equipped with a humidifier  
on the anode side. The humidifier  
must be first designed and calculated,  
then in our facilities build up and the  
commissioning of it should take place.

required skills: desired but not mandatory: experience  
in experimental lab work, program-  
ming in Matlab, mechanical drawing.  
Knowledge of Thermodynamics,  
Chemistry, Electrochemistry.

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