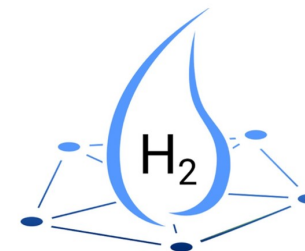
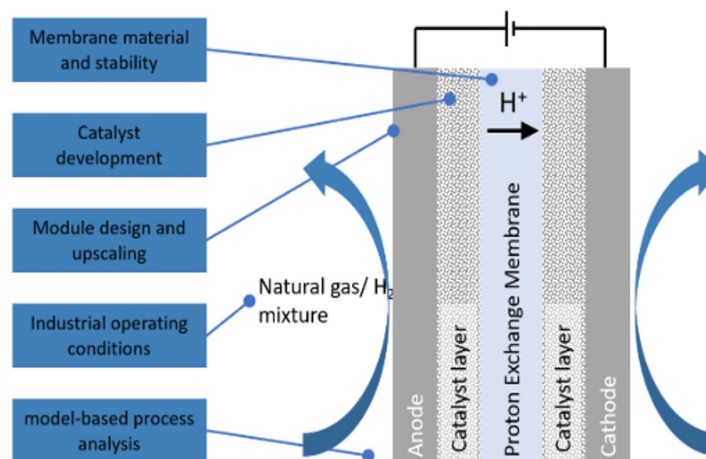


The working group Palkovits is hiring outstanding candidates with a Master's degree (or equivalent) to advance the applied research in H₂ purification, storage & transport and participate in a holistic training program. We highly encourage females, persons with care responsibilities and international candidates to apply!

Doctoral Position in the electrochemical purification and utilization of hydrogen

Catalyst development for integrated electrochemical hydrogen compression

Electrochemical H₂ compressors (EHC) purify and compress H₂ electrochemically in a single device. The fundamental principle of EHC is the electrocatalytic H₂ oxidation at the anode, proton transport through a membrane, and finally electrocatalytic H₂ evolution at the cathode. This can separate H₂ from mixed gas streams. For efficient operation and durability, active and robust electrocatalysts are of great importance.



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Your skills:

- strong knowledge of chemistry focusing on electrochemistry and catalysis, material science, chemical engineering
- high proficiency in written & spoken English



Interested in this research position?

Please send a 1-page cover letter, a european CV, transcripts, list of 2 references, and any other supporting documents in a single PDF with the subject "DC HyInnoSep2" to Prof. Regina Palkovits via email at palkovits@itmc.rwth-aachen.de

What's in for you?

- Research in an excellent, diverse & highly interdisciplinary global team
- Special mentoring & coaching program "Women of the IRTG" for female candidates
- 6-month exchange visit to Institute of Science Tokyo for collaborative research
- Participation in regular summer schools, workshops & international conferences
- Highly individualized training program to enhance your soft & transversal skills
- Professional networking with pioneers from both industry & academia