



International Research Training Group HyPotential

The IRTG between RWTH Aachen University & Tokyo Institute of Technology is inviting applications from excellent candidates with a Masters degree (or equivalent) for advancing the state of research on the fundamentals of H₂ production, storage & transport, applications, & economy and to participate in a holistic training program in all these areas. We highly encourage females, persons with care responsibilities, and international candidates to apply!

Funded by
DFG Deutsche
Forschungsgemeinschaft
German Research Foundation

10 open positions!

Expected start: Oct 2024

Be a leading innovator in the transition to a green economy. Realize your HyPotential!



Position: DC6 in Life-Cycle Assessment & Systems Analysis

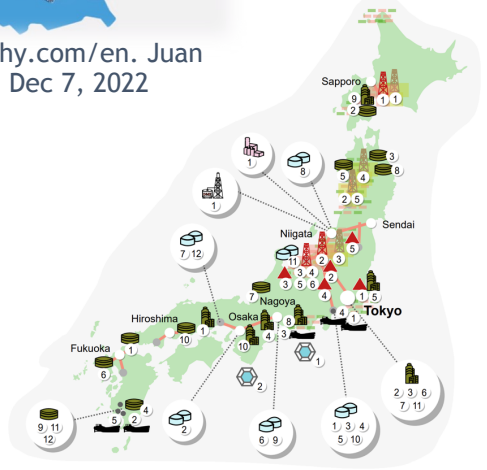
Topic: Design of sustainable socio-economic hydrogen energy systems - The objective is to develop a comprehensive analysis of the interplay between national hydrogen strategies, legal policies, intersectoral hydrogen supply chains, and specific industrial roadmaps. The analyses will elucidate the connection between national and international hydrogen economies and specific industrial supply chains. Building upon these analyses, the objective will be to derive recommendations and policy measures for the transformation towards a robust hydrogen production, transport, storage, and utilization system in line with national strategies and industrial roadmaps.

Background: Master's degree in Industrial Engineering, Operations & Supply Chain Management, Industrial Ecology, or a related field

Required skills: Strong knowledge of sustainable analytics, techno-economic assessment, sustainability assessment, material flow and process modelling. Skills in programming and data analysis tools, such as Python, R, MATLAB, and OpenLCA /ecoinvent. High proficiency in written & spoken English



<https://synerhy.com/en>. Juan Palencia, Dec 7, 2022



<https://aenert.com/de/laender/asien/energiwirtschaft-in-japan/>

Interested in this research position? Please send a 1-page cover letter, a European CV, transcripts, list of 3 references, and any other supporting documents in a single PDF with the subject "HyPotential DC6" to Prof. Grit Walther via email at walther@om.rwth-aachen.de



For more information on PhD openings in other research areas and any other queries please contact hypotential@itv.rwth-aachen.de

What's in it 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 TokyoTech 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
- Financial support after PhD for continuing original & excellent research if selected