



Meet our speakers



Dr Katriona Edlmann, HyStorPor coordinator, is the Chancellor's Fellow in Energy within the School of Geosciences, University of Edinburgh. Katriona has 25 years' experience researching the secure and sustainable utilisation of the subsurface for low-carbon energy applications including carbon capture and storage (CCS), hydrogen energy storage and geothermal operations. She currently serves as specialist adviser to the Scottish Affairs Committee inquiry into hydrogen and carbon capture in Scotland and as the ETP Deputy Hydrogen Strategic Theme Champion.

https://www.researchgate.net/profile/Katriona_Edlmann



Dr Aliakbar Hassanpouryouzband is a post-doctoral researcher at the School of Geosciences, University of Edinburgh, working in the field of large-scale sustainable energy storage, particularly hydrogen storage. Ali completed a PhD at Heriot-Watt University in 2019 with a focus on low-carbon energy production and CO₂ capture and storage. He conducted part of his PhD research at MIT's Molecular Engineering Laboratory. He received his BSc and MSc degrees, in Petroleum Engineering, from Sharif University of Technology, Tehran. His main research interests are climate and sustainable energy.

<https://www.researchgate.net/profile/Aliakbar-Hassanpouryouzband>



Dr Niklas Heinemann is a University of Edinburgh post-doctoral research associate in subsurface modelling, with more than 12 years of academic and industry experience. He was principal instigator of the HyStorPor proposal, the first UK research project to investigate hydrogen storage in porous media for energy storage. He leads WP3, which is exploring numerical simulation of hydrogen storage, and is co-supervisor of PhD candidate Jonny Scafidi, who is investigating hydrogen storage in depleted gas fields. Niklas has a PhD from the University of Edinburgh after completing his undergraduate studies at the University of Freiburg.

<https://www.researchgate.net/profile/Niklas-Heinemann-2>



Dr Eike Marie Thaysen is an environmental chemist and post-doctoral research fellow at the University of Edinburgh. She researches flow characteristics of hydrogen in porous rock and the risks associated with microbial growth in geological hydrogen storage. Eike took her PhD in biogeochemistry at the Danish Technical University, working on passive CO₂ removal from the atmosphere. In her first post-doctoral position in Copenhagen, she studied the effect of climate change on global ecosystems. She has also researched CCS for the National Spanish Research Council in Barcelona. <https://www.researchgate.net/profile/Eike-Thaysen>