**Open PhD position: Development of Efficient Magnetocaloric Materials for Hydrogen Liquefaction**

A fully funded PhD position (AUD 34K) is available in the School of Chemistry and Physics, Queensland University of Technology, Brisbane, Australia starting in January 2025. The project focuses on the development of magnetocaloric materials for hydrogen liquefaction. This cutting-edge research aims to enhance the efficiency of hydrogen liquefaction processes, a crucial step in the future of clean energy.

This opportunity is open to domestic and international students, offering a unique chance to engage in cutting-edge research in a dynamic environment.

**Qualifications:**

* A master’s or honours degree in Materials Engineering, Physics, or a related field.
* A strong IELTS score.
* Excellent academic performance and/or significant research experience.
* Strong analytical and problem-solving skills, with a solid understanding of material science and physics.

**Responsibilities:**

* Conduct experimental research on magnetocaloric materials.
* Develop and optimize materials for efficient hydrogen liquefaction.
* Analyze data and contribute to the publication of research findings.
* Collaborate with a team of researchers and engineers.

If you are interested, please send your CV, Transcript and a cover letter explaining your motivation to Dr Mahboobeh Shahbazi, [Mahboobeh.shahbazi@qut.edu.au](mailto:Mahboobeh.shahbazi@qut.edu.au).

Join us in pushing the boundaries of energy technology and make a significant impact in the field of sustainable energy. We look forward to your application!

For more information, please contact Dr Mahboobeh Shahbazi at [Mahboobeh.shahbazi@qut.edu.au](mailto:Mahboobeh.shahbazi@qut.edu.au).