



Thesis:

## **Thesis/research stay in Tokyo on the topic: High-efficiency CO<sub>2</sub> separation, carbon-free hydrogen production, low-cost CO<sub>2</sub> conversion processes**

### **Description:**

We offer the opportunity to do a final thesis/research stay at a partner research group in Japan at the Institute of Science Tokyo. The topic of the work can be either experimental (catalyst production, electrochemical experiments, CO<sub>2</sub> separation with liquid salts, application and interpretation of common analysis methods) or simulative (e.g. in Aspen Plus). The exact topic of the work will be discussed with the supervisor at RES and the Japanese partner. Applicants should apply for this stay at least 6 months in advance.

### **Requirements:**

- Grade average of at least 2.5 or better
- Motivation, independence and commitment
- Good English proficiency
- Proficiency in Japanese is an advantage (e.g. TUM language course), but not mandatory

### **Contact:**

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