

Annual Summer School: TU Graz & Yokohama National University

Prof. Viktor Hacker

Institute of Chemical Engineering and Environmental Technology

Graz University of Technology

How was the cooperation initiated?

- ❖ We have been in contact since my studies at Yokohama National University with a **scholarship from the Japanese government**.
- ❖ The goal of organising joint activities led to a cooperation agreement between the two faculties of **TU Graz and Yokohama National University** and to the establishment of the **summer school in 2008**.
- ❖ Main contacts:
Prof. Viktor Hacker (TU Graz), Prof. Shigenori Mitsushima (YNU)

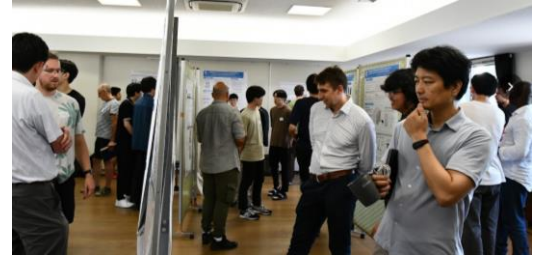


Previous Summer Schools:

PEFC Summer School, Graz, Austria, 25.-29. August 2008
 PEFC Summer School, Yokohama, Japan, 06.-12. August 2009
 PEFC Summer School, Graz, Austria, 26.-Aug. – 01. Sept. 2010
 PEFC Summer School, Yokohama, Japan, 05.-09. September 2011
 PEFC Summer School, Graz, Austria, 03.-07. September 2012
 PEFC Summer School, Yokohama, Japan, 25.-30. August 2013
 PEFC Summer School, Graz, Austria, 07.-12. September 2014
 PEFC Summer School, Yokohama, Japan, 31. Aug.-05. Sept. 2015
 PEFC Summer School, Graz, Austria, 28. Aug.-03. Sept. 2016
 PEFC Summer School, Yokohama, Japan, 20.-26. August 2017
 PEFC Summer School, Graz, Austria, 21.-25. August 2018
 PEFC Summer School, Yokohama, Japan, 26.-31. August 2019
 PEFC Summer School, Graz, Austria, 06.-14. September 2021
 PEFC Summer School, Yokohama, Japan, 29 August - 06 September 2022
 PEFC Summer School, Graz, Austria, 28 August - 02 September 2023

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Prof. Takuto Araki, YNU Japan
 Dr. Merit Bodner, TU Graz Austria
 Prof. Bernhard Gollas, TU Graz Austria
 Prof. Aurélien Habrioux, UP France
 Prof. Viktor Hacker, TU Graz Austria
 Prof. Tomaž Katrašnik, UL Slovenia
 Prof. Boniface Kokoh, UP France
 Dr. Yoshiyuki Kuroda, YNU Japan
 Prof. Shigenori Mitsushima, YNU Japan
 Dr. Teko Napporn, UP France
 Prof. Ken-ichiro Ota, YNU Japan
 Dr. Uwe Reimer, FZJ Germany
 Dott. Gaetano Squadrito, CNR Italy

What challenges were faced during implementation?

- ❖ Besides the **organisational challenges**, it was important to **convince students** that the summer school would be worthwhile both professionally and culturally.
- ❖ The summer school must be organised with **minimal financial outlay**.
- ❖ Lecturers and students usually have **to cover their own costs**.
- ❖ Participation in the summer school itself is **free of charge**.

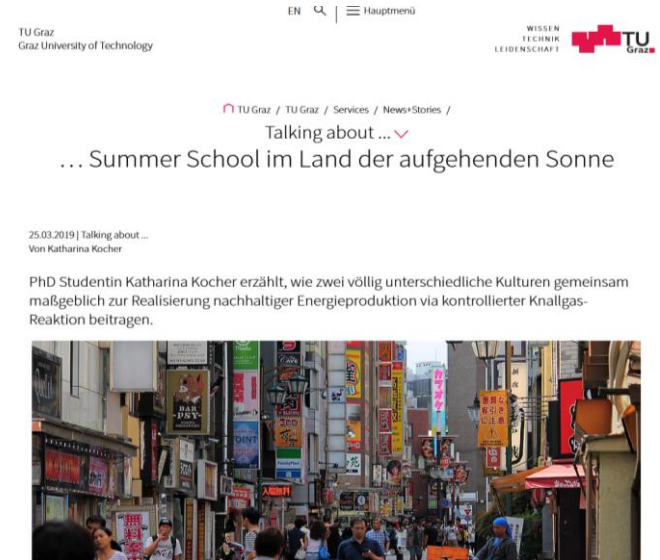


Video and report on the Summer School 2024

<https://www.ceet.tugraz.at/news/latest-news/article/summer-school-on-pefc-and-h2>

What is the added value of the cooperation for Japan and Austria?

- ❖ In a globalised world, **cooperation in technology development** is essential for successful R&D.
- ❖ Regular meetings and close dialogue help to **overcome cultural barriers** between researchers and students.
- ❖ Due to the annual repetition, **reservations between students are largely reduced** and the mutual exchange of experiences and learning begins very quickly.
- ❖ These activities are complemented by activities such as **joint research projects** (despite few calls for proposals).



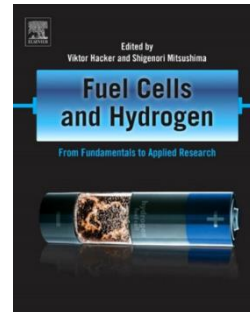
The screenshot shows a news article on the TU Graz website. At the top right, there are navigation links for 'EN', a search icon, and 'Hauptmenü'. The TU Graz logo is visible in the top right corner. The article title is 'Talking about ... Summer School im Land der aufgehenden Sonne'. Below the title, the date '25.03.2019' and the author 'Von Katharina Kocher' are listed. The main text of the article reads: 'PhD Studentin Katharina Kocher erzählt, wie zwei völlig unterschiedliche Kulturen gemeinsam maßgeblich zur Realisierung nachhaltiger Energieproduktion via kontrollierter Knallgas-Reaktion beitragen.' Below the text is a photograph of a busy Japanese street scene with many colorful signs and people.

Talking about ... Summer school in the Land of the Rising Sun

<https://www.tugraz.at/tu-graz/services/news-stories/talking-about/einzelansicht/article/talking-about-sommer-school>

16th International Summer School on Advanced Studies of Polymer Electrolyte Fuel Cells and Hydrogen

- **2-7 September 2024**, Yokohama National University, Japan.
- Organized in co-operation between **Yokohama National University** and **TU Graz**.
- Internationally recognized experts as lecturers in the field of fuel cell research. Lectures include fundamental studies and advanced aspects of PEFCs and Hydrogen.



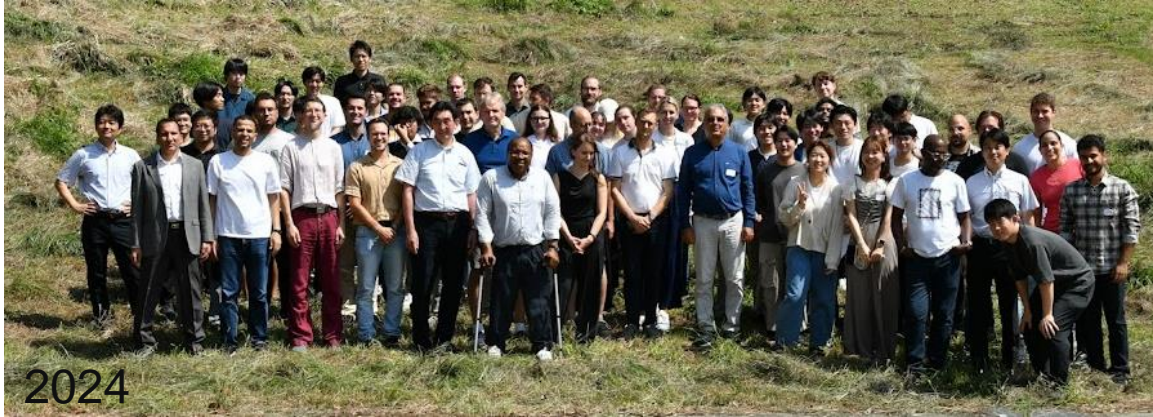
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Student Poster Presentation on Hydrogen and Fuel Cells

within the 16th International Summer School on Advanced Studies of Polymer Electrolyte Fuel Cells



Thank you very much!

