



## HITEC Symposium | 30.06.2022

Registration: [» go.fzj.de/HITEC2022](https://go.fzj.de/HITEC2022) | Lecture Theatre, Building 04.7 (ZB) | Streaming: [» fz-live.de/HITEC/](https://fz-live.de/HITEC/)

**12:00 Registration**

**12:15 Welcome**

**12:25 Jürgen Gross, IEK-2** Cracking: The problem in all-solid-state batteries

**12:45 Luisa Hantschke, IEK-8** What happens with emissions of organic compounds from plants in the atmosphere?  
– Answers from studies in the Jülich atmospheric simulation chambers

**13:05 Anton Dimroth, ZEA-1** Line Focus X-Ray Tube for Microbeam and Flash Radiotherapy

**13:25 Oskar Cheong, IEK-13** From bits to MOFs: deciphering surface chemistry to accelerate the clean energy transition

**13:45 Break** 25 Minutes

**14:10 Markus Geldenhuys, IEK-7** The southern Andes: A natural laboratory to study atmospheric gravity waves

**14:30 Yihui Wu, IEK-6** Systematic Experimental Investigation on the Interaction Behavior of Aerosols – Improving the predictive capability regarding the potential radioactive source term resulting from a severe accident in a nuclear power plant

**14:50 Sven Jovanovic, IEK-9** (S)He loves me, (s)he loves me not: Ionic On-and-Off Relationships in CO<sub>2</sub> Electrolysis

**15:10 Vishnu Ganesh, IEK-4** Bring them together: joining tungsten and steel to realize the first wall of future fusion reactors

**15:30 Break** 25 Minutes

**15:55 Moritz L. Weber, IEK-1** Turning instability into good – metal exsolution in smart catalyst materials

**16:15 Ugochi Chime, IEK-5** How thin is too thin? Balancing the current-voltage trade-off for thin wafer silicon solar cells

**16:35 Alexander Holtwerth, IEK-10** Model Predictive Control of Hybrid Energy Storage Systems – Decision making using mathematical optimization

**17:45 HITEC Communicator Awards** for the 3 best scientific talks at the HITEC Symposium

**18:30 Summer Party** Barbecue at Kulturbahnhof Jülich, Bahnhofstraße 13, Jülich