



HITEC Symposium | 18.09.2025

Registration: » go.fzj.de/HITEC2025 | Lecture Theatre, Building 04.7 (ZB) | Streaming: » fz-live.de/HITEC

12:00	Registration	
12:15	Welcome	Prof. Dr. Michael Eikerling
12:25	Julian Borowec, IET-1	5000 Hours Later: Micro- and Nanoscale Insights into Water Electrolyzer Aging
12:45	Sina Dibos, ICE-1	Too hot to waste: Utilizing electrolyzer waste heat in district heating networks
13:05	Gaosheng Huang, IMD-3	Game of Photons: Rise of Perovskite-Silicon Tandem Solar Cells
13:25	Katharina Turhal, ICE-4	Tracking Air in Our Atmosphere: How Transport and Climate Shape Each Other
13:45	Break	25 Minutes
14:10	Christoph Kawan, IFN-1	LAMageddon: Controlled Destruction in the Name of Nuclear Fusion
14:30	Yizhen Wu, ICE-3	Recreating the breath of cities in the atmospheric simulation chamber SAPHIR
14:50	Pau Dietz Romero, ICA	Frozen Chips: Qubits Meet Circuits
15:10	Monica Keszler, IMD-2	From Trash to Tool: Using field assisted sintering to upcycle steel swarf into cutting disks
15:30	Break	25 Minutes
15:55	Sanjay Sajeev, INW-2	The Tandem Tango: Improving catalyst intimacy for sustainable fuels
16:15	Farideh Abdollahi, IET-3	Towards an AI-enabled prediction of long-term fuel cell performance
16:35	Kai Bittner, ITE	Hydrogen Unbound: Simulating Water Splitting in Oxygen Transport Membrane Reactors
16:55	Peter Nellesen, IMD-1	The relevance of interfaces in strength and fracture behavior of nanolayered Ni-Al-Al ₂ O ₃ materials
17:45	HITEC Communicator Awards	for the 3 best scientific talks at the HITEC Symposium
18:30	HITEC Summer Party	Barbecue at Kulturbahnhof Jülich, Bahnhofstraße 13, Jülich