



## H<sub>2</sub>O<sub>2</sub> day @KIT

Jointly organized by the DFG research unit HyPerCat & the EU project Green SWaP  
KIT Campus North, March 3, 2026

### Venue:

Institute for Technical Physics (ITEP)  
KIT Campus North, Building 416, Seminar room 110  
Hermann-von-Helmholtz Platz 1, 76344 Eggenstein-Leopoldshafen

### Agenda

Time	H <sub>2</sub> O <sub>2</sub> day – 3 March 2026 KIT Campus North, Bldg. 416, R. 110
08:30 – 09:00	Arrival of participants & registration
09:00 – 09:15	Welcome words (S. Behrens, A. Navarrete)
09:15 – 10:00	<b>Henrik Grönbeck</b> , Chalmers University of Technology (Sweden) Title: <i>Direct H<sub>2</sub>O<sub>2</sub> formation over functionalized Pd and dilute PdAu nanoalloys: insights from first principles based kinetic simulations</i>
10:00 – 10:30	Coffee break
10:30 – 11:15	<b>Tapio Salmi</b> , Åbo Akademi University (Finland) Title: <i>Direct synthesis of H<sub>2</sub>O<sub>2</sub> and one-pot applications: catalysts, mechanism, kinetics and reactor technology</i>
11:15 – 11:40	Presentation of DFG research unit <b>HyPerCat</b> (S. Behrens)
11:40 – 12:05	Presentation of EU project <b>Green SWaP</b> (A. Navarrete)
12:05 – 14:15	Lunch break & Joint Poster session (HyPerCat & GreenSWaP)
14:15 – 15:00	<b>Rasmus Frydendal</b> , hpnov (Denmark) Title: <i>Development of on-site hydrogen peroxide generators from a start-up perspective</i>
15:00 – 15:45	<b>Gina Patricia Kaysan</b> , Evonik Operations GmbH (Germany) Title: <i>Industrial Pathways for the Future of Hydrogen Peroxide – Opportunities, Constraints and Scale-Up Realities</i>
15:45 – 16:15	Coffee break
16:15 – 16:50	<b>Joint panel discussion: “Bridging thermo-, plasma- and electrocatalytic routes for green H<sub>2</sub>O<sub>2</sub>”</b> (Moderation: A. Navarrete)
16:50 – 17:00	Concluding remarks

All invited talks are scheduled for 40 minutes + 5 min Q&A, project presentations for 20 minutes without Q&A.