H_2O_2 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_2O_2 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	**Henrik Grönbeck**, Chalmers University of Technology (Sweden) Title: *Direct H_2O_2 formation over functionalized Pd and dilute PdAu nanoalloys: insights from first principles based kinetic simulations*
10:00 – 10:30	Coffee break
10:30 – 11:15	**Tapio Salmi**, Åbo Akademi University (Finland) Title: *Direct synthesis of H_2O_2 and one-pot applications: catalysts, mechanism, kinetics and reactor technology*
11:15 – 11:40	Presentation of research unit **HyPerCat** (S. Behrens)
11:40 – 12:05	Presentation of EU project **Green SWaP** (A. Navarrete)
12:05 – 14:15	Lunch break & Joint Poster session (HyPerCat & GreenSWaP)
14:15 – 15:00	**Rasmus Frydendal**, hpnow (Denmark) Title: *Development of on-site hydrogen peroxide generators from a start-up perspective*
15:00 – 15:45	**Gina Patricia Kaysan**, Evonik Operations GmbH (Germany) Title: *tba*
15:45 – 16:15	Coffee break
16:15 – 16:45	**Joint panel discussion: "Bridging thermo-, plasma- and electrocatalytic routes for green H_2O_2"** (Moderation: A. Navarrete)
16:45 – 17:00	Concluding remarks

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