

# Energy and Sustainability

Inaugural Session on

# Research Needs for a Sustainable Energy Transition

13 September 2024, 09:00 - 12:30

ETH Zürich, Gloriastr. 35, Room ETA F 5

The session is part of the Annual Meeting of the  
**Swiss Physical Society**

## Program

09:00	<b>Gabriela Hug,</b> Head of Power Systems Laboratory, ETHZ	<i>The Future of the Electric Energy System: from Rotating Masses to Power Electronics</i>
09:30	<b>Thomas Justus Schmidt,</b> Division Head Energy and Environment, PSI	<i>The Swiss Energy Transition to NetZero</i>
10:00	<b>Lorenz Herrmann,</b> Head of Department Advanced Materials and Surfaces, Empa	<i>From Materials to Devices: The importance of physics in material science &amp; technology for sustainable energy applications</i>
10:30	<i>Coffee Break</i>	
11:00	<b>Sonja Kleiner,</b> Head of the CERN HSE Environment Group	<i>CERN's strategy for an environmentally responsible research</i>
11:30	<b>Patrick Koppenburg,</b> Nikhef, Amsterdam / CERN / HECAP+ (High Energy Physics, Cosmology, Astroparticle Physics, and Hadron and Nuclear Physics)	<i>A sustainable future in High-Energy physics</i>
12:00	Moderator: <b>Hugo Zbinden,</b> Applied Physics, University of Geneva	Q & A and Panel Discussion: <i>How can physics research in Switzerland contribute to a sustainable energy future ?</i>
12:30	<i>Session End / Lunch</i>	

Abstracts and more information: [www.sps.ch](http://www.sps.ch)