

# SUPER-SMART GRID Workshop

## Superconductivity and Smart Grids for Power System Transformation

A Joint Event by International Energy Agency (IEA) Technology Collaboration Programmes (TCPs)

**High Temperature Superconductivity (HTS) and  
International Smart Grid Action Network (ISGAN)**

21<sup>st</sup> April 2026 – 13:00 - 16:00 CEST (online)

## AGENDA

<b>13:00-14:00</b>	<b>Introductory Session</b>
13:00-13:10	Welcome and Introduction by <b>Luciano Martini</b> , ISGAN Chair & <b>Laura Serri</b> , HTS Chair
13:10-13:20	Introductory remarks, <b>Peter Coleman</b> , IEA
13:20-13:30	IEA recent initiatives and reports, <b>Ari Ugayama</b> , IEA
13:30-13:40	ISGAN TCP quick overview, <b>Wickie Lassen Agdal</b> , ISGAN Vice-Chair
13:40-13:50	HTS TCP quick overview, <b>Hyroyuki Ohsaki</b> , HTS TCP Vice-Chair
13:50-14:00	Brief introduction to applied superconductivity, <b>Takahiro Yoshizawa</b> , NEDO
<b>14:00-15:10</b>	<b>Grid Challenges &amp; Solutions Session</b>
14:00-14:10	<b>Challenge #1:</b> “Long-term planning and grid expansion in densely populated areas” <b>Gianluigi Migliavacca</b> , RSE
14:10-14:20	<b>Solution #1:</b> “HTS cables in urban environment” <b>Giuliano Angeli</b> , RSE
<b>14:20-14:30</b>	<b>Short break</b>
14:30-14:40	<b>Challenge #2:</b> “Enhancing electricity system security and resilience” <b>Irina Oleinikova</b> , NTNU
14:40-14:50	<b>Solution #2:</b> “HTS cables for onshore and offshore renewable integration” <b>Christophe Creusot</b> , SuperGrid Institute
14:50-15:00	<b>Challenge #3:</b> “Integrating large loads maximising grid utilization and hosting capacity” <b>Antonio Iliceto</b> , ENTSO-E
15:00-15:10	<b>Solution #3:</b> “HTS technology for sustainable data centers” <b>Peter Feldman</b> , QTD Systems
<b>15:10-15:45</b>	<b>Panel Discussion</b>
	<b>Moderators:</b> <b>Brendan Reidenbach</b> / IEA, <b>Luciano Martini</b> / RSE Open discussion with all speakers and Q&A session
<b>15:45-16:00</b>	<b>Conclusions and next steps</b>
	Closing remarks by <b>ISGAN Chair</b> & <b>HTS Chair</b>

To join the event register at this [LINK](#).