

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)**

21st April 2026 – 13:00 - 16:00 CEST (online)

AGENDA

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

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