

4th GSM Symposium 2020

new 19 - 20 October
KKL Lucerne Switzerland

Grid Service Market - Grid Flexibility & Business

Chaired by: Prof. Christoph Imboden HSLU, Lucerne/Switzerland

GSM SCOPE

www.GridServiceMarket.com/Scope

The Electricity Market is changing, opening opportunities for more flexibility in generation, storage and consumption. The integration of a large amount of new renewable energy sources poses great challenges for the European electricity grids & markets. Network reinforcement, market harmonisation and integration are solutions and challenges for the various players in the electricity industry. New technologies such as Power to X, Batteries, Demand Side Response DSR, Water Electrolysers, Fuel Cells and others compete or complement each other in terms of technical capabilities and economic performance. The integration of such new technologies and methods, to provide grid services and optimise the use of existing infrastructure, is changing the face of the electricity industry in the long term.

GSM AIM

The 4th GSM-Symposium aims to outline recent developments in the European grid service markets, to highlight advancements and challenges in international cooperation and to reflect the technological progress. In addition, it reports on experiences and success stories, which support a rating of the performance, and future potential of new sustainable technologies.

GSM STAKEHOLDERS

The 4th GSM-Symposium addresses grid and technology experts, scouts and managers from the electricity industry, administration bodies and researchers interested in the commercial aspects of grid services and new technologies. Experts present their contributions to technological advances and propulsive business solutions. The international audience will exchange on market logic, regulations and harmonization activities, future trends, operations, technology capabilities, and long term business plans and other business related aspects of European grid service markets.

Session program

KKL Auditorium

Monday, 19 October

09:00 On-site GSM registration

09:30 G01 OPENING & WELCOME

G0102	Welcome by the symposium chair	Christoph Imboden	Lucerne Uni of Applied Sciences & Arts, Switzerland
G0103	Welcome by SFOE	Stefan Oberholzer	Swiss Federal Office of Energy, Switzerland

09:55 G02 Market developments and international collaborations I

Session-chair: **Christoph Imboden**

Key-note

G0201	EU Energy Transition: How to integrate a high degree of Renewables in Europe's energy system (consecutive flexibility & customer centric)	Guido Guida - tbc	ETIP SNET and Entso-E, Belgium; Terna, Italy
G0202	DSO TSO cooperation: field report from the GOPACS project	Klaas Hommes	Tennet, Nederland

10:45 Coffee break & exhibition & poster visit

11:10 G03 Market developments and international collaborations II

Session-chair: **NN**

G0301	Renewables and their financial risk landscape	Thomas Kammann	Energy Risk Solutions, Switzerland
G0302	Future-proofing the EU energy system towards 2030	Johannes Henkel	50Hertz Transmission, Germany
G0303	Loop-flows, redispatch and bidding-zone splits: What's the part of German Energiewende in it?	Thaddäus Kreisig	Consentec, Germany

12:10 Lunch break and coffee in the poster area

13:00 G04 POSTER SESSION - ALL TOPICS

Session-chair: **Christoph Imboden**

13:50 G05 Market developments and international collaborations III

Session-chair: **NN**

G0501	Balancing markets and DERs in the Italian regulatory framework: Insights on the UVAM Case Study	Arianna Rossi (1), F. Bovera (1), G. Rancilio (1), D. Falabretti (1), A. Galliani (2), M. Merlo (1)	(1) Dept. of Energy, Politecnico di Milano; (2) ARERA
G0502	Flexibility aggregation for ancillary services in the Czech Republic	Stanislav Chvala	Nanoenergies, Czechia
G0503	Implementing better framework conditions for new players in the flexibility market	Helle Juhler-Verdoner	Danish Intelligent Energy Alliance, Denmark

15:05 Coffee break & exhibition & poster visit

15:30 G06 Operation and enabling technologies I

Session-chair: **NN**

G0601	Accelerating the European Energy transition with Digital	Maher Chebbo	ETIP SNET, Belgium
G0602	Impacts of Peer-to-Peer Trading on Wind Energy Curtailment in Constrained Distribution Networks	Ivana Kockar, Mark Jenkins	University of Strathclyde, United Kingdom
G0603	Active Distribution Grid Management: A decentralized approach for the management of flexibility options	Michael Merz	PONTON, Germany
G0604	Simple and efficient implementation of local energy markets	Thomas Walter	Easy Smart Grid, Germany

16:35 G07 Operation and enabling technologies II

Session-chair: **NN**

G0701	Options for the Implementation of Fast Control Reserves in the Continental European Power System	Alexander Stimmer, Marin Lenz, Manuel Froschauer, M. Leonhardt (1), W. Gawlik, C. Alacs, C. Corinaldesi, G. Lettner (2), A. Anta (3), K. Oberhauser (4)	(1) Austrian Power Grid; (2) Technical University Vienna; (3) Austrian Institute of Technology; (4) Verbund Hydro Power
G0702	Improving Grid Networks Operational Decision Support & Vegetation Management Practices using Hi-Resolution Weather Models	Mark Stephens-Row	The Weather Company, an IBM business, United Kingdom
G0703	Quartierstrom: A local energy market in practice	Liliane Ableitner	Exnaton, Switzerland
P G0704	Benefits of multi-voltage-level grid control in future distribution grids	Wolfgang Biener (1), Thomas Erge (1), Thomas Kumm (2), Bernhard Wille-Haussmann (1)	(1) Fraunhofer Institute for Solar Energy Systems ISE, Germany; (2) EWE NETZ, Germany
G0605	Summary of the day & Outlook	Christoph Imboden (1), Michael Spirig (2), Olivier Bucheli (2)	(1) Lucerne Uni of Applied Sciences & Arts, (2) European Fuel Cell Forum AG, Switzerland

17:50 End of sessions

19:30 **GSM Network Dinner** (included, guest tickets for 120.- CHF pP available)

