

Program

10:00–11:30: Rundvandring på Chalmers tekniska högskola parallellt med posterpresentationer

11:30–12:30: Lunch på Kårhusrestaurangen

12:30–12:35: Välkomma

Leif Pettersson, Svenska kraftnät [ordförande i svenska nationalkommittén]

12:35–12:55: Information Cigre:s tekniska råd

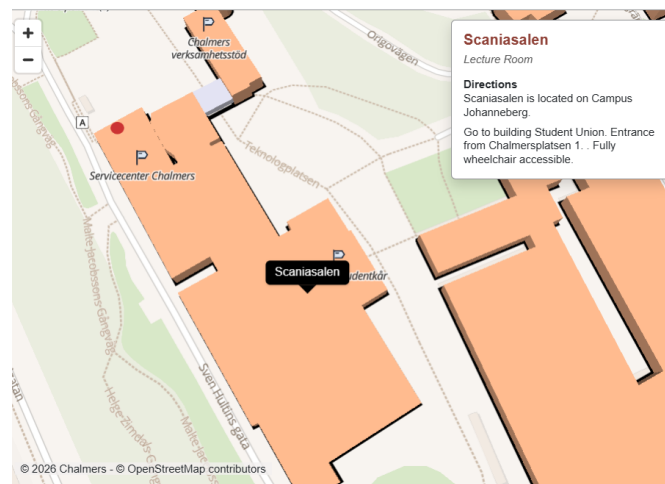
Rannveig S. J. Løken, Statnett [ordförande Cigre:s tekniska råd]

12:55–13:15: DSO:ns syn på internationellt kunskapsutbyte och nya roller i kraftsystemet

Lars Edström, vd Göteborg energi elnät

13:15–13:20: Information om konferensen

Thomas Hammarström, Chalmers tekniska högskola



13:30–15:00 Session 1 A (80p) – Sal Scania

Moderator: Danijela Palmgren, NKT

A1 - ROTATING ELECTRICAL MACHINES

Lessons learnt from actively balancing two units magnetically with rotor segmentation and dedicated power supplies which results in resolving vibration issues

Urban Lundin, Ångström laboratoriet

Parameter-driven strategies to analyze fault ride through capability of synchronous generator

Pollen Barau, Chalmers tekniska högskola

A3 - TRANSMISSION & DISTRIBUTION EQUIPMENT

Application of controlled switching to (re-)energization of transmission lines in dynamically changing grid conditions

Urmil Parikh, Hitachi energy

Breakthrough for Rogowski coils (LPCT's) in medium voltage switchgear: benefits, standardization, and challenges in protection and testing applications

Andrea Bonetti och Frej Suomi, Megger

B1 - INSULATED CABLES

First results from curvature sensor installed in dynamic cable on floating platform

Vilhelm Rydén, NKT

Cables in air-filled ducts – comparison between IEC 60287 and FEM

Ola Thyrvin, NKT

B2 - OVERHEAD LINES

Corrective maintenance of OHL equipped by composite insulators

Peter Sidenvall, I2G

13:30–15:00 Session 1 B (200p) – Sal Runan

Moderator: Emil Hillberg, Rise

B4 - DC SYSTEMS & POWER ELECTRONICS

Grid forming STATCOM dynamic performance: A technical study

Yousef Khayat, Hitachi energy

Virtual control and protection system in real time software in the Loop

Joan Hernandez, Hitachi energy

B5 - PROTECTION & AUTOMATION

Expertise development in innovative technologies for next-generation substations

Erik Wejander, Svenska kraftnät

C1 - POWER SYSTEM DEVELOPMENT & ECONOMICS

Hydrogen sector impact on the power sector: power system development, grid planning and operation

Yelena Vardanyan, Rise

C2 - POWER SYSTEM OPERATION & CONTROL

Unknown superhero of the power system SIPS – the unknown superheroes of the power system

Susanne Aceby, Rise

Design considerations for fast frequency control in the nordic synchronous area

Henrik Ekestam, Svenska kraftnät

C3 - POWER SYSTEM ENVIRONMENTAL PERFORMANCE

Sustainability in HVDC tenders and projects - A pathway to long-term value creation

Madeleine Stolpe, Hitachi energy

15:00–15:30 Fikapaus

15:30–17:00 Session 2 A (80p) – Sal Scania Moderator: Tommie Lindquist, Rise

B2 - OVERHEAD LINES

Service experience with composite insulators in Danish OHL
Peter Sidenvall, I2G

B3 - SUBSTATIONS & ELECTRICAL INSTALLATIONS

Assessing risk factors for pd-activity in 24 kV secondary substations using machine learning
Tommie Lindquist, Rise

Prefabricated modular substations: Findings from ongoing pilot project
Tor Johansson, Vattenfall

D1 - MATERIALS AND EMERGING TEST TECHNIQUES

The effect of hotspot conditions on DGA key gas generation on novel insulating liquids
Pär Wedin, Nynas

Biodegradability testing of transformer insulating liquids: decoding the oecd 301 for the electrical industry
Thomas Norrby, Nynas

D2 - INFORMATION SYSTEMS, TELECOMMUNICATIONS & CYBERSECURITY

Pilot project: Line differential protection over Ethernet
Per Kriewitz, Vattenfall

5G-enabled smart grid IoT: Architecture, use cases, challenges & solutions
Rahul Gore, Hitachi Energy

15:00–15:30 Fikapaus

15:30–17:00 Session 2 B (200p) – Sal Runan Moderator: David Lundback, Vattenfall

C4 - POWER SYSTEM TECHNICAL PERFORMANCE

Application of grid-enhancing technologies for stability improvement in low-inertia power systems: a case study from egypt
Mustafa Ibrahim, Afry

State-space models of virtual control and protection systems for stability analysis
Joan Hernandez Hitachi Energy

Co-simulation for nuclear power plant and power electronic interfaced devices interaction studies
Julia Jonasson, Vattenfall

C5 - ELECTRICITY MARKETS & REGULATIONS

Proposed tariff component for compensating voltage - regulating reactive power in the swedish transmission system
Hannes Hagmar, Svenska kraftnät

Impact of Economic Incentives in the Power System on Small Companies
Haya Rajeh, Högskolan väst

C6 - ACTIVE DISTRIBUTION SYSTEMS AND DISTRIBUTED ENERGY RESOURCES

Black-start Capabilities of the Arholma Microgrid
Alexandra Garðarsdóttir, Vattenfall

From consumers to prosumers: A techno-economic analysis of residential pv-bess deployment in sweden
Patrik Ollas, Rise

17:05–17:20 Avslutning – Sal Runan

Avslutning inklusive info om kommande konferenser och aktiviteter

Leif Pettersson, Svenska kraftnät