



KTH Energy Dialogue 2019

Welcome to the KTH Energy Dialogue 2019! A meeting and networking place for the future energy system. KTH performs research for developing novel methods and techniques toward the future sustainable energy system. Overall targets are to contribute to the sustainable development climate goals by the United Nations.



PROGRAM

11:00- 13:00 Poster session exhibition and networking lunch

13:00 Welcome

Welcome - Lina Bertling Tjernberg, Director of the KTH Energy Platform

Opening remark - Sigbritt Karlsson, President of KTH

Key note - Robert Andrén, General Director for the Swedish Energy Agency
"Sweden's strategy for a 100% renewable energy system"

Key note - Magnus Hall, CEO Vattenfall *"Vattenfall's strategy for sustainability"*

Handing out of the Vattenfall Award for the best master thesis within area of energy

13:40 - 14:20 Panel KTH Energy Platform ten years – success stories

Ramon Wyss - Professor emeritus

Olga Kordas - Program Director for Viable Cities

Mark Howells - Professor in Energy System Analysis and expert for the United Nations

Rajeev Thottappillil - Professor in Electric Power Engineering and Director of the Swedish Center for Smart Grids and Energy Storage (SweGRIDS)

14:20-15:00 Panel New technologies for a secure and sustainable energy system

Lina Bertling Tjernberg - Professor in Power Grid Technologies
"Power grid technologies with energy storage and electrical vehicles"

Pontus Johnson - Professor in Network and systems engineering
"Cyber-attacks on critical infrastructure"

Rakel Wreland Lindström - Associated Professor in applied electrochemistry
"The use of fuel cells and batteries"

Ilya Sytjugov - Professor in Applied Physics
"Luminescent solar concentrators as semi-transparent solar cells"

15:00-15:25 Coffee break and poster session

15:25-16:05 Panel Towards a sustainable energy system

Semida Silveira - Professor in Energy Systems Planning Energy and Climate Studies
"Towards a sustainable urban mobility"

Lennart Söder - Professor in Electric Power Systems
"The key role of wind power and new market perspectives"

Cecilia Katzeff - Associate professor in Human-Computer Interaction
"User perspective on smart grids in households"

16:05-16:45 Panel Business aspects, recycling and use of waste for the energy sector

Mats Engwall - Professor in Industrial Economics
"Technology developments and market models"

Janne Wallenius - Professor in Nuclear physics
"How to make recycle of nuclear waste economic"

Cecilia Sundberg - Associate professor in Industrial Ecology
"Life Cycle Assessment of Large scale Biochar production"

Christophe Duwig - Associate professor in mechanics
"Waste heat and cheap energy"

DATE: 14th November, 2019

TIME: 11-19 (poster mounting from 10)

LOCATION: KTH Campus, Nymble, Drottning Kristinas väg 19

ORGANIZER: KTH Energy Platform

REGISTER BY NOVEMBER 4:
www.kth.se/form/energydialogue2019

The documentation from the event will be made in English. The lectures and discussions will be either in Swedish or English and be led by the moderator Willy Silberstein.

16:45 -17.00 Closure

Summary reflections from the seminar and about coming events

Lina Bertling Tjernberg - Director of the Energy Platform

Christophe Duwig - Deputy Director of the Energy Platform

Handing out of the Best Student Poster Award

Marie Alpman, Charlie Gullström, Per Alvfors, Jury for the Best Poster Award

17.00-19.00 Networking and light buffet dinner