



Symposium: Heat and Power Technologies for Industrial Decarbonization

Wednesday April 2nd, 2025

KTH Main Campus, Stockholm, Sweden

Nymble - Student Union (THS), Drottning Kristinas väg 15, 114 28 Stockholm

9:00 Welcome Keynotes

Format: Welcome notes + 10 min individual keynote presentations

Moderator: Dr. Rafael Guédez, Head of Division 'Heat and Power Technologies' (HPT), KTH Energy Department

Keynote speakers:

- Prof. Stefan Östlund, Vice President – International Relations at KTH
- Dr. Klara Helstad, Deputy Head of R&I and Business Development at Swedish Energy Agency

9:45 Panel. Industrial sector challenges towards Net-Zero

Format: 30 minute guided panel discussion, introduced (10 min) and moderated by KTH.

Moderator: Dr. Silvia Trevisan, Assist. Professor and Research Group Leader, KTH Energy Department – HPT

Panelists from industrial associations:

- Miriam Munnich Vass, Business Policy Expert in Climate and Energy, Technology Industries of Sweden
- Dr. Malin Löfsjögård, Managing Director of the Swedish Concrete Federation and Adjunct Professor KTH
- Joris Goossens, R&D Project Manager, Ardagh Glass Packaging Europe (AGP-E)
- Helen Axelsson, Energy and environment Director, Jernkontoret (Swedish Iron and Steel Association)
- Marie Gidlund, Business Manager at Sweden Food Arena
- Kamil Maszczyk, Project Manager at K-FLEX
- Mikael Hannus, Senior Vice President of Group Innovation and R&D, Stora Enso

10:30 Coffee Break in Networking Area (incl. Research Exhibition)

11:00 Panel. Perspectives from Utilities, Developers and Energy Providers

Format: 30 minute panel discussion + Q&A, introduced and moderated by KTH.

Moderators:

Dr. Rafael Guédez, Head of Division 'Heat and Power Technologies' (HPT), KTH Energy Department

Prof. Lina Bertling Tjenberg, Deputy Head – School of Electrical Engineering and Computer Science, KTH

Panelists:

- Dr. Fabian Levihn, Head of R&D Stockholm Exergi and Docent at KTH
- Dr. Monika Topel, Power System Analyst, Svenska Kraftnät (Swedish TSO)
- Dr. Fredrik Starfelt, R&D Manager Industry Decarbonization at Vattenfall
- Camila Gurmendi, Head of Site Development, Alight
- Claes Fredriksson, Chief Executive Officer, Liquid Wind
- Kristofer Fröjd, SVP Strategy and Business Development at Ellevio (Swedish DSO)

11:40 Lunch in Networking Area (incl. Research Exhibition)

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13:00 Technology Suppliers - Presentations

Format: Pitch presentations focused on technology solutions (OEMs' perspectives)

Moderator: Dr. Jens Fridh, Head of HPT Lab and Research Group Leader, KTH Energy Department - HPT

Presentations from:

- Henrik Örn, Head of Heat Pump LT, Siemens Energy
- Dr. Romain Lanier, Head of R&D, Business Unit Welded Heat Exchangers, Alfa Laval
- Dr. Moksadur Rahman, Senior Scientist – Industrial Decarbonization, ABB
- Nikolai Østråt Owe, ESG & Funding Director, Kyoto Group
- Joakim Byström, Chief Executive Officer, Absolicon
- Trond-Atle Asphjell, Chief Operating Officer, Enerin
- Alexis Dole, Chief Technology Officer, Synchrostor
- Mark Meldrum, SVP Global Head of Business Development, Rondo Energy
- Charlotte Piquet, Process and thermodynamic engineer, Enogia
- Corey Blackman, Senior Technical Advisor, SaltX Technology

14:45 Coffee Break in Networking Area (incl. Research Exhibition)

15:15 Panel. Perspectives from Financial Institutions

Format: 20 minute panel discussion, moderated by KTH.

Moderator: Dr. Rafael Guédez, Head of Division 'Heat and Power Technologies' (HPT), KTH Energy Department

Panelists:

- Elin Lofblad, Portfolio Manager - SEB Nordic Energy Fund, SEB
- Sara Hjortmar, Investment Manager, InnoEnergy
- Johan Tiselius, Investment Director & Head of Sustainability, Infranode
- Daniel Carlsson - Investment manager KTH Holding
- Tomas Thyblad, VP Carbon & ESG Solutions, European Markets, Nasdaq

15:40 Panel. International Technology and R&D Collaborative Programs

Format: Presentations + approx. 15 panel/Q&A discussion.

Moderator: Dr. Farzin Golzar, Assist. Professor and Research Group Leader, KTH Energy Department - HPT

Speakers:

- Prof. Annelies Vandersickel, Head of Department "Thermal Process Technology", DLR
Chair of IEA Energy Storage TCP Task 44 "Power-to-Heat and Heat integrated Carnot Batteries for Zero-Carbon (industrial) Heat & Power supply"
- Dr. Aránzazu Fernández García, Senior Researcher, CIEMAT
Spanish Delegate to IEA SolarPaces ExCo and SolarPaces Conference 2025 Chair
- Prof. David Sánchez, University of Seville & ASME Fellow
ETN Project Board Member - ETN Global
ASME International Gas Turbine Institute (IGTI) – Committee Chair
- Dr. Johanna Mossberg, Head of Bioeconomy Arena, RISE
Chair of IEA Industrial Related Technologies and Systems TCP
- Prof. Christophe Duwig, Department of Chemical Engineering, KTH
Coordinator, KTH Nuclear Energy Initiative for Decarbonization & Industrial Transformation
- Dr. Francesco Fuso-Nerini, Assoc. Prof. in the Department of Energy Technology, KTH
Chair, KTH Climate Action Center
- Dr. Stefano Barberis, Senior Researcher, UNIGE
Cyl H2 Valley

16:40 Concluding Remarks

Universities' role connecting society, industry and policy makers via education and research

Open invitation to follow-up projects and collaborations.

Dr. Rafael Guédez, Head of Division 'Heat and Power Technologies' (HPT), KTH Energy Department

17:00 Afterwork in Networking Area (incl. Research Exhibition)

18:00 End of Symposium

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