

CONFERENCE

COPENHAGEN

Refrigeration & Heat Pump Forum

04.04.2024

2024

08.20-09.20	Registration & Breakfast	
09.20-09.30	Welcome Congress Hall	
09.30-10.15	Keynote: Climate changes – facts and call for action Sebastian Mernild, University of Southern Denmark	
10.15-10.30	Coffee break	
	9TH INTERNATIONAL SYMPOSIUM Room 101/102	2024 UPDATE Room 104/105
10.30-11.00	Symposium keynote: Heat pump in the digital world: Exploiting the potential of AI and machine learning towards optimal operations Jonas Klingebiel, RWTH Aachen University	Large scale heat pumps Raymond C. Decorvet, MAN Energy Solutions
11.00-11.30	Fault detection in Ultra-low temperature freezers Francesco D'Ettorre, Danish Technological Institute	Hydrocarbon heat pumps and chillers for industrial applications and mechanical sub cooling Klaus Jensen, Fenagy
11.30-12.00	Pitch session DKVF Best Student Project Award 2024	Ammonia-water absorption compression Practical experiences and future perspectives Per Skov, Johnson Controls
12.00-13.00	Lunch	
13.00-13.30	Keynote: Trends within new refrigerants and the new F-Gas Regulation Asbjørn Vonsild, Vonsild Consulting Congress Hall	
13.30-14.00	DKVF Student award 2024	
14.00-14.10	Coffee break	
14.10-14.40	Future Optimized Reversible CO₂ refrigeration and heat pump system – Ejector development Jóhannes Kristófersson, Danish Technological Institute and Baris Burak Kanbur, DTU Construct	Grid balancing services: Demands, opportunities and development Caroline Strøh Potter, Energinet
14.40-15.10	Controlling the Circulation Rate in Ammonia Refrigeration Systems Morten Juel Skovrup, Danfoss	Storskala energilagring i fjernvarmen (OBS! in Danish) Jens Christian Nielsen, Danish District Heating Association
15.10-15.40	Liquefaction and purification of postcapture CO₂ for CCUS Rikke Cilius Pedersen, DTU Construct	Why clean cooling is the preferred solution in Norway Armin Hafner, Norwegian University of Science and Technology
15.40-16.00	Coffee break	
16.00-16.30	Optimal operation of industrial heat pumps with thermal energy storage for emissions and cost reduction using day-ahead predictions Roger Padullés I Solé, DTU Construct	How will the EU's proposed universal PFAS restriction affect the refrigeration and heat pump sector Sidsel Dyekjær, ChemSec
16.30-17.00	High speed turbocompressors for efficient and affordable water (R-718) based heat pumps Simone Parisi, DTU	Discussion panel Trends within refrigerants in the near future in Denmark
17.00-17.10	Wrap up and final notes	Wrap up and final notes
17.10-18.00	Refreshments and Networking	
18.00-20.00	Refrigeration & Heat Pump Forum Dinner	

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IN COOPERATION WITH

The Danish Refrigeration & Heat Pump Association (DKVF), Dansk Køl & Varme, Danish Technological Institute, and DTU Construct