

Heating and Cooling with Natural Refrigerants – a Way to Decarbonization



eurammon Symposium/web-seminar

June 25 – July 8, 2020

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June 25, 2020		Key-note Speech	
08:30	08:40	Introduction	Frank Rinne, Emerson Climate Technologies GmbH
08:40	09:40	Heat Pumps – Chances and Challenges to Decarbonization	Peter Radgen, University Stuttgart
09:40	10:10	Concluding Remarks	Frank Rinne, Emerson Climate Technologies GmbH
June 26, 2020		Regulatory / International Reporting, Regulations & Standards	
08:30	08:40	Introduction	Frank Rinne, Emerson Climate Technologies GmbH
08:40	09:10	Current Trends in Refrigeration Technology / Study Energy Consumption in Refrigeration Technology	Guntram Preuß, VDMA Air-handling Technology
09:10	09:40	Main Issues from International Reporting for (Natural Refrigerant Based) Heat Pumps	Lambert Kuijpers, A/Gent b.v. Consultancy
09:40	10:10	Standardization and Ecodesign	Carsten Hoch, TÜV Süd Industrie Service GmbH
10:10	10:30	Concluding Remarks	Frank Rinne, Emerson Climate Technologies GmbH
June 29, 2020		Mobile Applications with Natural Refrigerants	
08:30	08:40	Introduction	Frank Rinne, Emerson Climate Technologies GmbH
08:40	09:10	CO ₂ Heat Pumps Applied to Modern Electric Busses	Michael Sonnekalb, Konvekta KKI Kälte Klima GmbH & Co. KG
09:10	09:40	Borealis Bus A/C Heat Pump with the Green Refrigerant R290	Frank Rinne, Emerson Climate Technologies GmbH Christian Ebert and Michael Geiger, Aurora Konrad G. Schulz GmbH & Co. KG
09:40	10:10	Evaluation of Natural Refrigerants for HVAC Systems in Railway Vehicles	Lutz Boeck, Faiveley Transport Leipzig GmbH & Co. KG
10:10	10:30	Concluding Remarks	Frank Rinne, Emerson Climate Technologies GmbH

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Heat Pumps with Natural Refrigerants

July 2, 2020

Ammonia Heat Pumps

08:30	08:40	Introduction	Frank Rinne, Emerson Climate Technologies GmbH
08:40	09:10	A Heat Pump Integrated in a Production Process – Sustainable Cost and CO ₂ Saving	Thomas Lergenmüller, GEA Refrigeration Germany GmbH
09:10	09:40	Heat Pump Technologies with Natural Refrigerants	Alexander Cohr Pachai, Johnson Controls Denmark ApS
09:40	10:10	Design aspects of River Water, Ammonia Heat Pumps for District Heating	Nicky Cowan, Star Refrigeration
10:10	10:30	Concluding Remarks	Frank Rinne, Emerson Climate Technologies GmbH

July 6, 2020

CO₂ Heat Pumps

08:30	08:40	Introduction	Frank Rinne, Emerson Climate Technologies GmbH
08:40	09:10	Heat Recovery Modules Make it Easy to Turn the Supermarkets CO ₂ Refrigeration Into Heat Pumps	Jörg Saar, Danfoss GmbH
09:10	09:40	Calculation, Simulation and Application of Commercial and Light Industrial CO ₂ Heat Pumps	Oliver Javerschek, Bitzer Kühlmaschinenbau GmbH
09:40	10:10	CO ₂ Heat Pump Water Chillers	Armin Hafner, NTNU Trondheim
10:10	10:30	Concluding Remarks	Frank Rinne, Emerson Climate Technologies GmbH

July 8, 2020

Propane Heat Pumps

08:30	08:40	Introduction	Frank Rinne, Emerson Climate Technologies GmbH
08:40	09:10	Design and Safety Aspects of Propane Heat Pumps for Residential and Commercial Application	Andreas Gernemann, Glen Dimplex Deutschland GmbH
09:10	09:40	Hydrocarbon Heat Pumps for Light Industrial Applications – One Key Technology for Sustainable Heating Solutions	Hermann Renz, Bitzer Kühlmaschinenbau GmbH
09:40	10:10	Concluding Remarks	Frank Rinne, Emerson Climate Technologies GmbH

Important Information

All lectures will be broadcast live on our new website www.eurammon.com.
If you are unable to attend the web-seminar, the lectures will then be available as a recording and pdf file for download on the website.

Registration

You will receive further information on registration at the beginning of June.

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