Heating and Cooling with Natural Refrigerants – a Way to Decarbonization

eurammon Symposium/Webinar

June 25 – July 8, 2020

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Programme

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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	Wolfgang Dietrich, 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		**CO_2 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 webinar, 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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