

# Journey to a naturally sustainable future

euramm<sup>o</sup>n Symposium, July 4-8. 2022



# eurammon Symposium 2022 – Programme

Journey to a naturally sustainable future

<b>July 4, 2022</b>		<b>Key-note Speeches</b>	
09:00	09:10	Welcome & greeting	Michael Freiherr, Chairman eurammon e.V.
09:10	09:55	Ammonia engine development for marine propulsion	Johan Kaltoft, MAN Energy Solutions
09:55	10:40	Transport, Industrial and Commercial Refrigeration in the UK – Opportunities for Research and Innovation in Industrial Buildings	Graeme Maidment, Department for Business, Energy & Industrial Strategy
10:40	10:45	Break	
10:45	11:30	The European Green Deal “repowered” – the sky is the limit!	Andrea Voigt, Danfoss Climate Solutions
11:30	11:35	Concluding remarks	Michael Freiherr, Chairman eurammon e.V.
<b>July 5, 2022</b>		<b>Policy and regulations update</b>	
09:00	09:10	Introduction	Michael Rabenstein, Evapco Europe GmbH
09:10	09:40	F-gas regulation	Cornelius Rhein, European Commission
09:40	09:45	Break	
09:45	10:15	IEC 60335-2-40	Asbjørn Vonsild, Vonsild Consulting
10:15	10:45	European standardization for refrigerating systems using flammable refrigerants, especially standard series EN 378	Carsten Hoch, TÜV Süd Industrieservice GmbH
10:45	10:50	Break	
10:50	11:20	Panel discussion	Cornelius Rhein, Asbjørn Vonsild, Carsten Hoch Moderator: Michael Rabenstein
11:20	11:25	Concluding remarks	Michael Rabenstein, Evapco Europe GmbH

# eurammon Symposium 2022 – Programme

Journey to a naturally sustainable future

July 6, 2022		Natural refrigerants for the cold chain	
09:00	09:10	Introduction	Lambert Kuijpers, A/genT Consultancy
09:10	09:40	Industrial refrigeration production plants: "Heat recovery, reduced CO <sub>2</sub> emissions!"	Michael Elsen, Kreuzträger Kältetechnik GmbH & Co. KG
09:40	09:45	Break	
09:45	10:15	Heat pump integration in a plant based meat solution factory and needs to achieve decarbonization from an end-user perspective	Vincent Grass, Société des Produits Nestlé S.A.
10:15	10:45	Predicting annual refrigeration energy consumption in temperature-controlled facilities	Robert Lamb, Star Refrigeration Ltd.
10:45	10:50	Break	
10:50	11:20	„Waterloop“ solutions for sustainable supermarkets – 100% propane for natural and efficient cooling and heating	Herbert Schupfer, Güntner Group Europe GmbH
11:20	11:25	Concluding remarks	Lambert Kuijpers, A/genT Consultancy

# eurammon Symposium 2022 – Programme

Journey to a naturally sustainable future

July 7, 2021		Education and developments in RACHP	
09:00	09:10	Introduction	Monika Witt, TH. WITT Kältemaschinenfabrik GmbH
09:10	09:40	New technologies applied to natural refrigerants education	Carlos Llorca / Juan Carlos Rodríguez, AEFYT
09:40	09:45	Break	
10:10	10:15	Ventilation systems for Carbon Dioxide and Ammonia	Dermot Cotter, Star Technical Solutions
10:15	10:45	A calculation comparison of two secondary fluids for optimizing savings energy and/or material savings	Roger Rosander, Temper Technology AB
10:45	10:50	Break	
10:50	11:20	Applying the natural refrigerant CO <sub>2</sub> to improve energy efficiency of AC cooling and water heating in hotels and hospitals	Klaas Visser, KAV Consulting Pty Ltd.
11:20	11:25	Concluding remarks	Monika Witt, TH. WITT Kältemaschinenfabrik GmbH

# eurammon Symposium 2022 – Programme

Journey to a naturally sustainable future

July 8, 2022

Natural refrigerant heat pumps

09:00	09:10	Introduction	Robert Lamb, Star Refrigeration Ltd.
09:10	09:40	Heat exchanger solutions for air-source heat pump application in medium and large scale	Franz Sperl, Güntner GmbH & Co. KG
09:40	09:45	Break	
09:45	10:15	Decarbonise heating - securing high energy efficiency with plate heat exchangers	Tommy Angback, Alfa Laval Technologies AB
10:15	10:45	Heat pump energizers for district heating	Tim Thøgersen, Evapco Denmark
10:45	10:50	Break	
10:50	11:20	eurammon Technical Committee Industrial Heat Pumps – standards and energy efficiency	Alexander Cohr Pachai, Johnson Controls Denmark
11:20	11:25	Concluding remarks	Robert Lamb, Star Refrigeration Ltd.

eurammon e. V. is always available as a sparring partner for questions on refrigeration with natural refrigerants.

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