



euramm^{on} Symposium for Natural Refrigerants

June 26-30, 2023

eurammon Symposium 2023 – Programme

eurammon Symposium for Natural Refrigerants

June 26, 2023		Keynote speeches	
09:00	09:10	Welcome & greeting	Michael Freiherr, Chairman eurammon e.V.
09:10	09:55	Reducing carbon emissions in transport, industrial and commercial refrigeration	Catarina Marques, London South Bank University
09:55	10:40	Evolution of CO ₂ refrigeration technology from 2000	Bernd Heinbokel, Carrier Refrigeration Germany
10:40	10:45	Break	
10:45	11:30	Cool Up: The rise of natural refrigerants in future-proof cooling solutions	Andreas Hermelink, Guidehouse
11:30	11:35	Concluding remarks	Michael Freiherr, Chairman eurammon e.V.
June 27, 2023		Policy and regulations update	
09:00	09:10	Introduction	Lambert Kuijpers, A/genT Consultancy
09:10	09:40	F-gas regulation	Cornelius Rhein, European Commission
09:40	09:45	Break	
09:45	10:15	The Universal PFAS Restriction proposal under REACH	Thijs de Kort, National Institute for Public Health and the Environment (NL)
10:15	10:45	Further uptake of flammable refrigerants, especially those of safety class A3, for various applications	Carsten Hoch, TÜV Süd Industrieservice GmbH
10:45	10:50	Break	
10:50	11:20	Update of Eco design regulation ENTR Lot 1 Professional Refrigeration - focus on condensing units and process chillers	Davide Polverini, European Commission
11:20	11:50	Panel discussion	Cornelius Rhein, Thijs de Kort, Carsten Hoch, Davide Polverini Moderator: Lambert Kuijpers
11:20	11:25	Concluding remarks	Lambert Kuijpers, A/genT Consultancy

eurammon Symposium 2023 – Programme

eurammon Symposium for Natural Refrigerants

June 28, 2023

Applications with natural refrigerants

09:00	09:10	Introduction	Michael Rabenstein, Evapco Europe GmbH
09:10	09:40	Hydrocarbons - application within chillers and heat pumps	Marco Funes, SECON GmbH
09:40	09:45	Break	
09:45	10:15	Cooling of server rooms with CO ₂	Christoph Galli, HERMETIC-Pumpen GmbH
10:15	10:45	Ultra-low-temperature cooling with air as refrigerant	Thomas Frank, Refolution Industriekälte GmbH
10:45	10:50	Break	
10:50	11:20	Transport refrigeration with Propene and Carbon Dioxide	Jürgen Süß, ECOOLTEC Grosskopf GmbH
11:20	11:25	Concluding remarks	Michael Rabenstein, Evapco Europe GmbH

eurammon Symposium 2023 – Programme

eurammon Symposium for Natural Refrigerants

June 29, 2023		Current developments with natural refrigerants	
09:00	09:00	Introduction	Monika Witt, TH. WITT Kältemaschinenfabrik GmbH
09:10	09:10	Current developments in the refrigeration industry – New innovative refrigeration oils for natural refrigerants	Wolfgang Bock, FUCHS LUBRICANTS GERMANY GmbH
09:40	09:40	Break	
09:45	09:45	Geothermal heat pumps with ammonia highly efficient for concrete core heating and concrete core cooling (annual performance factor 7...9)	Werner Eller, Friothersm Deutschland GmbH
10:15	10:15	Efficiency and availability with NH ₃ compressor packs	Jürgen Filster, Bitzer Kühlmaschinenbau GmbH
10:45	10:45	Break	
10:50	10:50	Extreme low charge systems with Ammonia R717	Christian Kempe, Alfa Laval Technologies AB
11:20	11:20	Concluding remarks	Monika Witt, TH. WITT Kältemaschinenfabrik GmbH

eurammon Symposium 2023 – Programme

eurammon Symposium for Natural Refrigerants

June 30, 2023		Case studies with natural refrigerants	
09:00	09:10	Introduction	Thomas Spänich, GEA Refrigeration Germany GmbH
09:10	09:40	Benefit of holistic planning	Thomas Lergenmüller, GEA Refrigeration Germany GmbH
09:40	09:45	Break	
09:45	10:15	Semiflooded evaporation for supermarket refrigeration	Esra Wirth, Kaufland Stiftung & Co. KG
10:15	10:45	Industrial heat pumps with Ammonia (tbc)	NN, Kreuzträger Kältetechnik GmbH & Co. KG
10:45	10:50	Break	
10:50	11:20	Practical experience with a centralized 3 stage Ammonia DX-plant	Finn Dresen, Kältetechnik Dresen+Bremen GmbH
11:20	11:25	Concluding remarks	Thomas Spänich, GEA Refrigeration Germany GmbH

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

Contact:

Dr. Alexander Schmeink | Lyoner Straße 18 | 60528 Frankfurt | Germany

Phone: +49 (0)69 6603-1277 | E-Mail: alexander.schmeink@eurammon.com