

All Live Webinars will be recorded and be available afterwards on-demand and during the 30-day archive period.

11:00_{CEST}

Back to the Future - refrigeration technology with natural refrigerants in times of climate change

By: Michael Kauffeld - PhD, Karlsruhe University of Applied Sciences
David Blankley, Product Manager Advanced Refrigeration, GEA Refrigeration Technologies



12:00_{CEST}

Commercial Refrigeration - trends and challenges

By: Matteo Munari, Head of Technology Development, Alfa Laval



13:00_{CEST}

360° View on CO₂. From Past to Future – retail, industrial and air conditioning applications.

By: Andreas Meier, Managing Director, TEKO



15:00_{CEST}

Embraco Variable Speed Solutions with Smart Drop-in Feature

By: Michel Moreira, Commercial Refrigeration Sales Senior Manager
Nidec Global Appliance



16:00_{CEST}

Back to the Future - refrigeration technology with natural refrigerants in times of climate change

By: Michael Kauffeld - PhD, Karlsruhe University of Applied Sciences
David Blankley, Product Manager Advanced Refrigeration, GEA Refrigeration Technologies



17:00_{CEST}

Global Natural Refrigerants Market - trends and developments to watch

By: Ilana Koegelenberg, Market Development Manager, shecco



Conex | Bänninger **MaxiPro: An innovative flame-free press fitting suitable for air conditioning and refrigeration applications up to 48 bar**

By: Andreas Hinkler, Development Manager, Conex Bänninger

NTNU **MultiPACK: Demonstrating the performance and efficiency of the next generation of standardised integrated cooling and heating packages**

By: Armin Hafner, Professor Refrigeration Technology, NTNU
Engin Söylemez, Postdoctoral Fellow, NTNU

Temprite **Technical Video: How to Change a Filter in a Temprite 138A Transcritical Oil Separator**



Solutions portfolio for Natural Refrigerants

By: Sebastiano Di Lena, Group Marketing Manager - Food Retail, Carel Industries



Future Technologies with Natural Refrigerants – Innovations for all fluids

By: Till Beyer, Business Development Manager, Güntner
Herbert Schupfer, Strategic Product and Innovation Management, Güntner



Europe's small food retailers en route to sustainable refrigeration via energy efficient technical solutions based on natural refrigerants

By: Jaime Manuel Carvalho Ferreira, Director, AGROBIO
Britta Pätzold, Project Manager, Environmental Consulting Agency HEAT
René van Gerwen, Owner, ENTROPYCS



Tecumseh

R290 Beverage Cooler Case Study - Energy savings using IntelliCOOL Cassette - Smart integrated variable speed cooling system

By: Akash Bhatia, Director System Engineering, North America, Tecumseh Products Company



BAC's Innovations for All Refrigeration Needs

By: Jerry Lozano, Business Development Engineer, BAC



New Refrigerant Leak Detection with NevadaNano MPS

By: Ben Rogers, Director of Engineering, NevadaNano

**Michael Kauffeld, PhD, Karlsruhe University of Applied Sciences, GEA**

Michael Kauffeld, PhD, has been working in research and development of refrigeration systems with natural refrigerants for more than 30 years. He has taught at the Karlsruhe University of Applied Sciences since 2002. He also advises public and private institutions on the application of natural refrigerants.

**David Blankley, Product Manager Advanced Refrigeration, GEA**

David Blankley has over 30 years experience in industrial refrigeration technologies. He joined GEA in 1996 and progressed to managing director for product sales in the United Kingdom and has worked in the Netherlands and is now based in Portugal. A graduate of Trent University in Nottingham, England he now serves in a global role at GEA focusing on new developments and enhancement of the product portfolio.

**Matteo Munari, Head of Technology Development, Alfa Laval**

Matteo Munari is today one of the most knowledgeable persons within refrigerants and heat exchangers. Starting his career with an Engineer's degree, Mechanical Engineering, in the 90's, he continued straight to chillers and air dryers. He has now, for the last 20 years worked at Alfa Laval, a global leading company, with a great focus to improve and develop applications within heating and cooling. Many years of scouting for new technologies supporting brazed and fusion bonded heat exchangers has made him a great source of knowledge when it comes to trends in the new refrigerant market.

**Andreas Meier, Managing Director, TEKO**

Andreas Meier has several years of experience in management functions within the refrigeration sector. He has been a member of TEKO's management since August 2015. He was previously President of Sales D / A / CH at GEA Refrigeration Technologies, based in Berlin - Germany, and before that he was the Head of Marketing and Product Management at GEA Küba GmbH. He also worked in Zug - Switzerland, as Sales & Marketing Manager at a Japanese manufacturer for industrial refrigeration.

**Michel Moreira, Commercial Refrigeration Sales Senior Manager, Nidec Global Appliance**

Michel has been a part of the Nidec Global Appliance team since 2005, when he was hired as a Sales Engineer. After nearly five years in this position, he was promoted to Senior Key Account Manager in the commercial refrigeration division where he managed key accounts and business development in the Latin America market. In his current role as the Sales Senior Manager for Nidec Global Appliance's North American region, his responsibilities include establishing a strategic vision for North American business, managing a sales team that provides commercial customers with technical support and improve overall customer experience.

**Ilana Koegelenberg, Market Development Manager, shecco**

With a background in journalism (B.journ) and 10 years of experience in reporting on the HVAC&R industry, Ilana joined shecco in 2019 as Deputy Editor Global in the Media team. She has since moved over to manage the Market Development team with a focus on market research, policy analysis, partner projects and specialized campaigns that aid in accelerating the adoption of climate friendly technologies across different world regions.

**Andreas Hinkler, Group Business Development Manager, Conex Bänninger**

Andreas has 30 years of experience with fittings and press technology. He is currently the Group Business Development Manager.

**Armin Hafner, Professor Refrigeration Technology, NTNU**

Professor Dr.-Ing. Armin Hafner has recently started at NTNU Department of Energy and Process Engineering in Trondheim, Norway, as a professor in refrigeration technology. During the past two decades Armin has been working at SINTEF with research topics related to CO₂ refrigeration technology applied in various applications.

**Engin Söylemez, Postdoctoral Fellow, NTNU**

Engin Söylemez got the PhD degree from Marmara University in Turkey. Dr. Söylemez has been working in HVAC sector, particularly refrigeration sector, for more than 10 years. Currently part of the team at Energy and Process Engineering Department of NTNU as postdoctoral fellow. Previously, Dr. Söylemez worked at R&D Center for Refrigeration at Bosch BSH Turkey as cooling lead.

**Sebastiano Di Lena, Group Marketing Manager - Food Retail, Carel Industries**

After graduating in Chemical Engineering at the University of Padova in 2002, Sebastiano Di Lena worked as project engineer for a small contracting company in the steel mills sector, before moving into the refrigeration and industrial cooling market in 2004, joining a Swedish multinational company. He worked there for 15 years, dealing with heat exchangers and covering different roles in technical support, sales and product management. He joined CAREL in 2019 as Group Marketing Manager in the food retail market unit.

**Till Beyer, Business Development Manager, Güntner**

Till Beyer graduated in Building Services Engineering from the University of Nuremberg. He then worked in the field of project planning and implementation of chillers and special plants for medical technology, and later in sales as an expert for products and system solutions in the field of data centre cooling. Since 2017, he has been responsible for the business unit development of the commercial refrigeration business line of Güntner GmbH & Co. KG.

**Herbert Schupfer, Strategic Product and Innovation Management, Güntner**

Following his vocational training in the field of electrical engineering, Herbert Schupfer worked in international plant and mechanical engineering for several years. In addition, he obtained his engineer degree in mechanical engineering and automation technology. Within the Güntner Group, he has been in positions of responsibility in product management and product development for years now, helping customers to find the perfectly fitting solution for their application. Today, he is in charge of strategic product and innovation management at Güntner Group, shaping our future.



Jaime Manuel Carvalho Ferreira, Director, AGROBIO

The Portuguese Association of Organic Agriculture. Among other positions, Jaime previously served as a board member of QUERCUS, the Portuguese National Nature Conservation Association, and as Technical Director of the Reinsertion Project “Património gera Inclusão”, at PSML, awarded with a National Prize for Socially Responsible Companies. His academic background is in Forestry, Tropical Agriculture and Organic Agriculture.



Britta Pätzold, Project Manager, Environmental Consulting Agency HEAT

Britta manages the Refrigerants, Naturally! for LIFE project and coordinates the collaboration of 8 partners from 5 European countries in this project. Britta has a background in natural sciences and nature conservation and has gained experience in several international projects for WWF and others.



René van Gerwen, Owner, ENTROPYCS

René gained his expertise starting with an M.Sc in Mechanical Engineering (Refrigeration and Climate Control/HVAC) at Delft University of Technology in The Netherlands, continuing in positions as designer, test engineer, consultant, trainer, researcher, team leader, project manager, and 16 years as Global Lead Engineer in one of the largest FMCG multinationals. He has worked in numerous projects in almost all countries and regions over the world, in various roles, responsibilities and companies. In 2016 he founded and since then is the managing director of his engineering company Entropycs. He has been a member of CEN/TC-182 and various Working Groups since 1989. He is currently a board member of the Dutch Refrigeration Association KNVvK which is a partner in EU LIFE project Refrigerants, Naturally! for Life.



Akash Bhatia, Director System Engineering, North America, Tecumseh Products Company

Akash Bhatia brings over 25 years of global R&D and Systems Design and Development experience to the team. Since joining Tecumseh 6 years ago, he has been an instrumental part of the Company’s innovative new system development in light commercial, commercial and mobile refrigeration applications.



Jerry Lozano, Business Development Engineer, BAC

Jerry Lozano is a Business Development Engineer in Industrial Refrigeration for Baltimore Aircoil Company. He has been involved in the refrigeration industry for more than 10 years in Sales and Business Development roles for leading manufacturing companies. Mr. Lozano has extensive knowledge in the Refrigeration arena for both industrial and commercial applications. He currently serves on IIR committees and is a frequent speaker at industry associations such as NASRC, RETA, and IIR. Mr Lozano holds a BSc in Chemical Engineering from Monterrey Institute of Technology in Mexico, and a Master in Engineering Management from Northwestern University.



Ben Rogers, Director of Engineering, NevadaNano

Ben studied engineering and journalism in college and later earned a Masters degree in mechanical engineering. Since then he has worked as an analyst at a business accelerator, a reporter at newspapers, a teacher, and a research scientist at various labs, including the University of Nevada, Reno, Oak Ridge National Laboratory and the NASA Jet Propulsion Laboratory. He is the lead author of Nanotechnology: Understanding Small Systems (CRC Press), the first-ever comprehensive college textbook on nanotechnology, now in its third edition, and also Nanotechnology: The Whole Story (CRC Press), a general audience book, as well as various works of fiction. He helped to launch NevadaNano in 2004, holds multiple patents in sensor technology, and is a co-inventor of the Molecular Property Spectrometer (MPS).