

REFRIGERA 2021

REFRIGERA 2021 CONFERENCE AND WORKSHOPS PROGRAM

WEDNESDAY, 3 NOVEMBER, 2021

CARNOT ROOM (Hall 30)

11.00 - 12.30

NEW TECHNOLOGIES FOR ENERGY EFFICIENCY AND SUSTAINABILITY

The industrial and commercial refrigeration sector, as is the case in other high energy-absorbing economic areas, is caught up in growing costs and reducing environmental impact. With the requirement for functionality to be the same, innovation is the only way to go, both technological and in plant management. The session, with the participation of large end users and recognized technology leaders, offers an overview of the different approaches and solutions.

Moderator: Marco Comelli, Principal Consultant, **Studio Comelli**

Speakers:

GDO and refrigeration

Marco Oliva, Plant Office Manager, **Bennet Spa**

Energy efficiency, sustainability and innovation in food logistics with "subzero trigeneration": The Brivio & Viganò case study

Nicola Morgese, Business Development, **Centrica**

The logic of choosing refrigerants for energy efficiency

Alessandro Pianetti, Business Development Manager, **Chemours**

Vincenzo Isgrò, Sales Manager, **Officine Mario Dorin**

How to choose the right lubricant for a refrigeration compressor

Michael Sandler, **NEXT lubricants**

REFRIGERA 2021

14.00 - 16.00

ENERGY BILL: ITALIAN REFRIGERATION AT THE CROSSROADS OF ECOLOGICAL TRANSITION

Round Table

The abnormal increase (due to the rapidity with which it occurred) in energy costs is putting pressure on all businesses that make extensive use of electricity and gas. The entire refrigeration sector chain, from industry to fixed logistics to distribution and trade, is among the major consumers of the former.

Unlike other industrial energy consumers however, logistics, distribution and commerce do not have partial coverage of the deduction of expenses. Refrigerator aisles and cold rooms cannot be switched off, and margins are already under pressure ... how long will it be before the higher costs are carried over to consumer prices?

Moderator: Giuseppe Guzzardi, Automotive Editorial Director, **La Fiaccola Editore**

Speakers:

Gianluca Metti, Engineering and Development Director, **Bennet Spa**

Andrea Romboli, Partner in charge of energy & utilities practice, **Arthur D. Little Italia**

Speech by **TN Torello**

Nicola Morgese, Business Development, **Centrica Business Solutions**

TORRICELLI ROOM (Hall 30)

11.00 - 12.30

DIGITIZATION FOR THE FUTURE OF THE COLD CHAIN

Round Table

The application of digital technologies, from IoT to Big Data analysis, from remote control to predictive maintenance, up to the optimization of energy consumption, represents one of the most interesting areas of innovation in the cold chain distribution sector. A round table involving some of the major players in the supply chain, from end users of integrators to technology suppliers.

Moderator: Massimo Marciani, President, **Freight Leaders Council**

Speakers:

Michele Vitali, Aftersales director, **EPTA**

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Mattia Nanetti, Co-Founder, **Wenda**

Sergio Scornavacca, Director Industrial Market and Northern Italy Lead, MINSAIT

14.00 - 16.00

THE LAST 30 YEARS OF CO₂: OUR PAST, OUR PRESENT ... OUR FUTURE?

Round Table

Organized by **Officine Mario Dorin**

Thirty years ago pioneers in Italy began to experiment with using carbon dioxide as a refrigerant gas. Today its use has taken hold and the increasingly stringent regulations in the field of refrigeration gases can only facilitate its diffusion to an ever-increasing number of applications. A round table with both past and present key players.

Moderator: Marco Comelli, Principal Consultant, **Studio Comelli**

Speakers:

Giacomo Pisano, CO₂ Compressors Business Development Manager, **Officine Mario Dorin SpA**

Silvia Minetto, Researcher, Institute for Construction Technologies, **CNR**

Luca Lunghi, Plant Design Manager, **INRES COOP**

Thomas Trevisan, European Regulations Specialist, **Atmosphere**

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ASSOCIAZIONE TECNICI DEL FREDDO - CENTRO STUDI GALILEO (Hall 30, Stand E32 / F31)

10.00 - 17.00

WORKSHOPS organized by ATF – Associazione Tecnici del Freddo and CSG – Centro Studi Galileo

Certificate of participation is issued (sent by email after the courses)

- 10.00 - 11.00 **Certification of companies and people according to the F-Gas regulation**
Eleonora Motta, CSG - Centro Studi Galileo Expert
- 11.00 - 12.00 *HFO refrigeration systems: safe and cost-effective - focus on R455A and increased energy efficiency*
Stefano Fedeli and Letterio Romeo, General Gas
- 12.00 - 13.00 *R290 and A2L: 'Never fear', with flameless connections*
Cristina Fasciolo, Vulkan Lokring
- 13.00 - 14.00 *Review of the F-Gas regulation and training on Real Alternatives alternative refrigerants*
Marco Buoni, President of AREA
- 14.00 - 15.00 *Low environmental impact and high efficiency refrigerants*
Fabrizio Codella, Chemours
- 15.00 - 16.00 *Research for the efficiency of transcritical systems*
Maurizio Ascani, Turboalgor
- 16.00 - 17.00 *New generation propane systems: practical and regulatory aspects relating to installation and maintenance of R290 products*
Matteo Bettoni, Rivacold

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ASSOFRIGORISTI STAND - LA PIAZZA DEL FRIGORISTA (Hall 30, Stand C48 / D47)

14.30 - 16.00

F-GAS REVIEW THE FUTURE OF REFRIGERATION SYSTEMS

Organized by **Assofrigoristi**

Introduction and moderator: Marco Oldrati, Operations Director of **Assofrigoristi**.

Speakers:

Francesco Mastrapasqua, President, **Assocold**

Matteo Mangiarotti, Member of the Fluorinated Gas WG of **Assogastecnici**

Fabio Brondolin, President, **Assofrigoristi**

Davide Sabbadin, Senior Policy Officer Climate **European Environmental Bureau**

WORKSHOP AREA - (Hall 30 - 1st floor)

14.00 – 18.00

EVENT ORGANIZED BY GENERAL GAS

CIRCULAR ECONOMY OF REFRIGERANT GASES BY GENERALGAS

GeneralGas illustrates its environmental services aimed to develop the Circular Economy of refrigerant gases. Question time included.

14.00 – 15.00 / 16.00-17.00 **Vincenzo Scarano**, Environmental Services Director, **GeneralGas**

NEW HFO-BASED REFRIGERANT GASES & ENERGY SAVING IN REFRIGERATION

GeneralGas illustrates in detail all the new low and very low GWP gases for Refrigeration and Air Conditioning. Low-cost ideas for significantly reducing energy consumption with the use of new gases. Time for questions and requests for further in-depth analysis.

15.00 – 16.00 / 17.00 – 18.00 **Stefano Fedeli**, Executive Marketing Manager – Low GWP Solutions, **GeneralGas**

REFRIGERATA 2021

THURSDAY, 4 NOVEMBER, 2021

CARNOT ROOM (Hall 30)

10.00 - 12.00

THE NEW FRONTIERS OF REFRIGERATED TRANSPORT: WINE AND EVO OIL

The consensus of research and experience in the field, that shows that the right method for storing and transporting wine and extra virgin olive oil involves controlled temperature, is now definitive. But how can we translate that evidence into guidelines and practical recommendations? The Food and Drug Transport Interdisciplinary Observatory, with the help of key players of the two sectors, has developed a guide, available to all members of the supply chain, to guarantee the quality of the product all the way to the consumer's table.

Moderator: Giuseppe Guzzardi, Director, **OITAF**

Speakers:

Wine and extra virgin olive oil, factors for quality logistics

Marco Comelli, General Secretary & Technical-Scientific Director, **OITAF**

Influence of packaging and storage temperature on the shelf-life of extra virgin olive oil

Francesca Venturi, research scientist, **University of Pisa**

Stefano Sequino, wine industry, **Confcooperative Fedagri Pesca**

Anna Cane, President of the "Olive Oil" Group, **Assitol**

Wine transport: risk factors

Riccardo Accorsi, Researcher, **Alma Mater Studiorum**

The role of track and trace technologies in the quality transport of food

Stefano Brivio, Founder, **MGH SYSTEMS**

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14.00 - 18.00

CONCLUSIONS OF THE 19th EUROPEAN CONFERENCE "FROM F-GAS TO ALTERNATIVE REFRIGERANTS: IMPACT ON NEW AND EXISTING SYSTEMS": LATEST TECHNOLOGIES IN AIR CONDITIONING AND REFRIGERATION | SYSTEMS, EQUIPMENT, COMPONENTS: TRAINING AND CERTIFICATION | PHASE DOWN

Conference organized by **CSG – Centro Studi Galileo** and **ATF - Associazione Tecnici del Freddo**
Sponsored by the **Ministry of Ecological Transition**

Coordinators:

Prof. Marco Carlo Masoero, Professor at the Polytechnic of Turin, Vice President of **Associazione Tecnici del Freddo**

Marco Buoni, General Director of **Centro Studi Galileo**, General Secretary of **Associazione Tecnici del Freddo**, President of the European Refrigeration Associations **AREA** (Associazioni Europee del Freddo AREA)

Speakers:

- 14.00 - 14.15 *The heating system of the future*
Dario Dalla Costa, Confartigianato Impianti
- 14.15 - 14.30 *Review of the F-Gas regulation and decarbonisation*
Federica Rizzo, EPEE
- 14.30 - 14.45 *Refrigeration and air conditioning: time series and scenarios of greenhouse gas emissions*
Federica Moricci, ISPRA
- 14.45 - 15.00 *CO2 heat pump with solar integration: first results of the SolairHP project*
Maurizio Pieve, ENEA
- 15.00 - 15.15 *Let's cool off without heating the planet - Legambiente's view on the world of Fgas*
Marco Mancini, Legambiente
- 15.15 - 15.30 *The new refrigerants in the future of commercial refrigeration*
Alessandro Pianetti, Chemours
- 15.30 - 15.45 *F-Gas Regulation - quota cut: the positive contribution of the circular economy of refrigerant gas through separate collection and regeneration*
Vincenzo Scarano, General Gas
- 15.45 - 16.00 *Compression technology applied to natural refrigerant fluids*
Marco Caldognetto, Bitzer
- 16.00 - 16.15 *The innovative compressor technology that comes from the automotive sector*
Francesco Faralli, Officine Mario Dorin
- 16.15 - 16.30 *Low GWP refrigerants: current solutions and future prospects*
Kaven Nourrice, Frascold

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- 16.30 - 16.45 *Commercial refrigeration towards climate neutrality*
Francesco Mastrapasqua, Epta Refrigeration
- 16.45 - 17.00 *Flammable refrigerants and PED compliance*
Giuseppe Vitri, Rivacold
- 17.00 - 17.15 *Research for the efficiency of transcritical systems*
Maurizio Ascani, Turboalgor
- 17.15 - 17.30 *Products compatible with all refrigerants of today and tomorrow*
Stefano Matti, Castel
- 17.30 - 17.45 *Monferrato, 'Land of Cold'*
Federico Riboldi, Paolo Secco, Casale Capitale del Freddo (Casale Capital of the Cold)
- 17.45 - 18.00 *The future of European regulation: new rules from 2022-2023*
Marco Buoni, AREA

TORRICELLI ROOM (Hall 30)

11.00 - 12.30

**PROTECTION, WORK AND SAVINGS: THE NEW C.C.N.L. CONTRACT FOR REFRIGERATION
Round Table**

Round table discussion between key players of the sector and the world of work, to present and examine in depth the opportunities and advantages of the new CCNL Refrigerators. An innovative tool that relaunches the focus of businesses and workers.

Moderator: Marco Masini

Speakers:

Gianluca De Giovanni, Novafrigor

Alice Fioranzato, CISAL

Giuseppe Battista, Services Director, Datoriale

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14.00 - 16.00

ULTRA COLD, NEW FRONTIERS IN FOOD AND PHARMA

Very low temperatures, reaching as low as -110 centigrade, constitutes one of the most challenging new frontiers in industrial refrigeration. The advantages, as well as the challenges, are well known especially in terms of technical requirements in the plants (at those temperatures, everything changes compared to "frozen"), and precautions in the freezing and thawing of goods. From gases to lubricants, from compressors to ultra-cold on the move, to requests of end users, the session offers information and thoughts on the best available solutions and leading applications.

Moderator: Marco Comelli, Secretary General, **OITAF**

Speakers:

ULT (ultra low temp) chillers for the production and storage of anti-Covid vaccines

Giacomo Pisano, CO2 Compressors Business Development Manager, **Officine Mario Dorin**

Carbon dioxide as a refrigerant medium for food and pharmaceutical transport at controlled, and very low temperatures. Characteristics, critical issues and solutions for correct handling and storage.

Leonardo Galli, Business Development Manager, **Melform**

Cryogenic Technologies for the food and pharmaceutical industry

Ilaria Dal Ben, Bulk Marketing & Applications Leader, **Nippon Gases Industrial**

ASSOCIAZIONE TECNICI DEL FREDDO - CENTRO STUDI GALILEO (Hall 30, Stand E32 / F31)

10.00 - 13.00

WORKSHOPS organized by ATF – Associazione Tecnici del Freddo and CSG – Centro Studi Galileo

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10.00 - 11.00 *New technologies available for the installation and maintenance of systems*

Luca Laudi, Testo

11.00 - 12.00 *Choosing a compressor for alternative fluids: practical examples and tools*

Kaven Nourrice, Frascold

12.00 - 13.00 *Technical solutions for commercial refrigeration with almost zero impact*

Alvise Case, Epta Refrigeration

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ASSOFRIGORISTI STAND - LA PIAZZA DEL FRIGORISTA (Hall 30, Stand C48 / D47)

10.30 - 12.00

THE SKILLS OF THE REFRIGERATION ENGINEER, FROM SCHOOL TO UNI EN 13 313

Organized by **Assofrigoristi**

Introduction and moderator: Luca Tarantolo, Assofrigoristi Technical Scientific Committee.

Speakers:

Domenico Venditti, Head of the Certification Scheme for **APAVE** Professionals

Valentino Verzotto, **Assofrigoristi** Scientific Technical Committee

Marco Buoni, President, **AREA**

Ylenia Dell'Acqua, Head of Project, **ASLAM** Social Cooperative

14.30 - 16.00

THE RESTART: THE REFRIGERATION ENGINEER WILL BE 4.0

Organized by **Assofrigoristi**

Introduction and moderator: Marco Oldrati, Operations Director of **Assofrigoristi**.

Speakers:

Alessandro Gibbi, engineer, designer and creator of **Polo Freddo Toscana**

Paolo Finotto, IoT Business Developer **Maetrics**

Luca Radice, **Assofrigoristi** Scientific Technical Committee

Francesco Castagna, R&D Director **Eliwell by Schneider Electric**

Fabio Zago, Product marketing Refrigeration **Eliwell by Schneider Electric**

REFRIGERERA 2021

FRIDAY, 5 NOVEMBER, 2021

CARNOT ROOM (Hall 30)

10.00 - 12.00

REFRIGERATION IN THE LAST MILE OF FOOD DISTRIBUTION

There are several factors that push towards the increasingly widespread use of controlled temperature in food: fragmentation of deliveries to end consumers and local shops; attempts to extend the shelf life of fresh and very fresh products; increases in the consumption of frozen food and chilled ready-meals; generalized demand for quality in non-packaged products. An overview of the trends with the key players, from e-commerce to large-scale distribution and technologies.

Moderator: Marco Comelli, Secretary General, **OITAf**

Speakers:

Last mile distribution: the Italian vehicle fleet

Marco Comelli, Secretary General, **OITAf**

Last mile logistics: Solutions to ensure compliance with the cold chain and environmental sustainability

Leonardo Galli, Business Development Manager, **Melform**

New distribution logics for food & beverage

Stefano Arrigoni, Director, **DIF - Italian Food Distribution**

Digital transformation in last mile refrigerated distribution

Mattia Nanetti, Co-Founder, **Wenda**

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ASSOCIAZIONE TECNICI DEL FREDDO - CENTRO STUDI GALILEO (Hall 30, Stand E32 / F31)

10.00 - 15.00

WORKSHOPS organized by ATF – Associazione Tecnici del Freddo and CSG – Centro Studi Galileo
Certificate of participation is issued (sent by email after the courses)

- 10.00 - 11.00 *Compression technology applied to natural refrigerant fluids*
Marco Caldognetto, Bitzer
- 11.00 - 12.00 *Sustainability: High efficiency solutions with HCs refrigerants. Safety and training of technicians*
Marino Bassi, CSG Expert
- 12.00 - 13.00 *High glide refrigerants: impact on heat exchangers*
Rodolfo Cavicchioli, LU-VE Group
- 13.00 - 14.00 *The future of Fgas regulation. New rules from 2022-2023*
Marco Buoni, President of AREA
- 14.00 - 15.00 *A2L: innovative environmentally friendly refrigerant gases*
Andrea Ulivi, Nippon Gases

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ASSOFRIGORISTI STAND - LA PIAZZA DEL FRIGORISTA (Hall 30, Stand C48 / D47)

10.30 - 12.00

RECOVERY, RECYCLING, REGENERATION OR DISPOSAL, CTS AND MANUFACTURERS COMPARED

Organized by **Assofrigoristi**

Introduction and moderator: Luca Tarantolo, Assofrigoristi Technical Scientific Committee.

Speakers:

Emiliano Baglioni, Scientific Technical Committee, **Assofrigoristi**

Mario Scuderi, Scientific Technical Committee, **Assofrigoristi**

Vincenzo Scarano, Environmental Services Director, **GeneralGas**

Marco Dall'Ombra, Technical Consultant, **Assoclimate**

Sessions and workshops are in Italian; translation service is not available

Program printed on 01/11/2021.

Please visit www.refrigera.show > Conferences for any update.