

VENUE AND SOCIAL PROGRAM OUTLINE

The Conference will be held from June 18 to 20, 2018 at the Universitat Politècnica de València, Spain.

Valencia³ is located at the Mediterranean coast and enjoys excellent beaches and a very nice climate. It has a population of around 1.000.000 people. It has good and frequent connections by train and aeroplane from Madrid and Barcelona. High-speed train (AVE) Madrid-Valencia takes only 100 minutes.

The welcome reception will be in a restaurant at the City of Arts on the evening of June 17. There will also be a city sightseeing tour on the evening of June 18. The conference diner will be on June 19.



The social program consists of the welcome reception, the city sightseeing tour and the conference diner.

CORRESPONDENCE AND INFORMATION

Correspondence should be addressed to:

Marian Daries
Institute for Energy Engineering,
Universitat Politècnica de València
CPI, Edif 8E, Bloque F, Planta 5
Camino de Vera, s/n
46022 Valencia, Spain
Tel. 34 963877270

Updated information concerning the Conference, recommended hotels, transport... can be found at the Conference web site:

Web site: www.gl2018.upv.es
Contact email: gl2018@iie.upv.es

³ <http://www.visitvalencia.com/en/>

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JOINT CONFERENCE OF THE IIR COMMISSIONS

- B1 – Thermodynamics and transfer processes
- B2 – Refrigeration equipment
- D1 – Refrigerated storage
- E1 – Air Conditioning
- E2 – Heat pumps and Energy recovering



International Institute of Refrigeration (IIR) / Institut International du Froid (IIF)

The IIR/IIF is an independent intergovernmental science and technology based organization which promotes knowledge of refrigeration and associated technologies that improve quality of life in a cost-effective and environmentally sustainable manner including:

- Food quality and safety from farm to consumer
- Comfort in homes and commercial buildings
- Health products and services
- Low temperature technology and liquefied gas technology
- Energy efficiency
- Use of non-ozone-depleting and low global warming refrigerants in a safe manner.

Web site: www.iifir.org

INTERNATIONAL INSTITUTE OF REFRIGERATION INSTITUT INTERNATIONAL DU FROID



13th IIR-GUSTAV LORENTZEN CONFERENCE ON NATURAL REFRIGERANTS

Natural refrigerant solutions for warm
climate countries



GL2018

18 - 20 June 2018

Valencia, Spain

www.gl2018.upv.es

13th IIR-GUSTAV LORENTZEN CONFERENCE ON NATURAL REFRIGERANTS

Natural refrigerant solutions for warm climate countries

With the increasing need for Global Warming countermeasures, natural working fluids become a clear vector to reducing the CO2 footprint of Refrigeration and Heating & Cooling Sectors and migrating towards long-term sustainable solutions.

GL2018 invites all experts to present and discuss their research on the search for new and more sustainable solutions with natural fluids, and in particular how solutions, which have been developed and successfully demonstrated in Northern countries, can be applied to warm countries with much higher ambient temperatures and strong need for air/conditioning.

TOPICS

Contributions are invited in any fundamental or applied topic related with the subject of the Conference:

PROPERTIES, PROCESSES AND COMPONENTS	EQUIPMENT AND SYSTEMS	TECHNOLOGY IMPLEMENTATION
Properties of fluids and materials Mixtures, oils, ice slurries, desiccants, PCMs...	Design, performance, Energy efficiency, CO2 global emissions, Integration...)	Safety and risk analysis
	Industrial refrigeration	
Processes Evaporation, condensation, sorption...	Supermarkets	Policies, Regulation and Standards
	Commercial refrigeration	
Components Compressors, condensers, evaporators, expansion devices, ejectors...	Domestic refrigeration	Market analysis Market barriers, market uptake, market trends...
	Heating and cooling of buildings and hot water production A/C, Chillers, Heat pumps, Evaporative cooling, Sanitary hot water production...	
Cycle analysis Other cycles, optimization...	Refrigerated transport and MAC	
	Others Sorption, Thermal Storage, District heating, Waste heat recovery, CHP, Hybrid systems...	

ORGANIZATION

GL2018 is an IIR/IIF event organized by the Institute for Energy Engineering¹ of the Universitat Politècnica de València², Spain.



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA

CHAIRPERSONS:

Chair: José M. Corberán, UPV, Spain

Co-chair: Alberto Coronas, URV, Spain

Co-chair: José González, UPV, Spain

SCIENTIFIC COMMITTEE:

Pradeep Bansal	NZL	Yong-Tae Kang	KOR
Alexander Baranenko	RUS	Kuniaki Kawamura	JPN
Gerald Cavalier	FRA	Michael Kauffeld	DEU
Guangming Chen	CHN	Lambert Kuijpers	NLD
Jae Dong Chung	KOR	Milos Lain	CZE
Risto Ciconkov	MKD	Renato Lazzarin	ITA
Don Cleland	NZL	Denis Leducq	FRA
Daniel Colbourne	GBR	Xianting Li	CHN
Alexander Cohr-Pachai	DNK	Per Lundqvist	SWE
José Miguel Corberán	ESP	Christophe Marvillet	FRA
Alberto Coronas	ESP	Rita Mastrullo	ITA
Giovanni Cortella	ITA	Claudio Melo	BRA
Robert Critoph	GBR	William Murphy	USA
Davide del Col	ITA	Petter Nekså	NOR
Piotr Domanski	USA	Andrzej J. Nowak	POL
Brian Elmegard	DNK	Björn Palm	SWE
José González	ESP	Andy Pearson	GBR
Eckhard Groll	USA	Reinhard Radermacher	USA
Armin Hafner	NOR	Rajagopal Saravanan	IND
Ullrich Hesse	DEU	Peter Schossig	DEU
Neil Hewitt	GBR	Ruhzu Wang	CHN
Carlos Infante Ferreira	NLD	Koichi Watanabe	JAP
Ji Hwan Jeong	KOR	Eric Winandy	BEL

¹ <http://www.iie.upv.es>

² <http://www.upv.es>

CONFERENCE PROGRAM

	Sunday 17th	Monday 18th	Tuesday 19th	Wednesday 20th
8:30		Registration opens	Keynote lecture	Keynote lecture
9:10		Welcome - opening	Sessions	Sessions
9:30		Keynote lecture		
10:30		Coffee break	Coffee break	Coffee break
11:00		Sessions	Sessions	Sessions
13:00		Lunch break	Lunch break	Closing ceremony Lunch
14:30		Keynote lecture	Keynote lecture	
15:10		Sessions	Poster session	
16:10		Coffee break	Coffee break	
16:40		Sessions	Sessions	
18:00		IIR Commissions Meeting / Visit to the IIE refrig. Lab.	WP on Refrigerant Safety / Visit to CYTEF poster session + beer	
19:30	Preregistration	Valencia guided tour		
20:00	Welcome reception			
20:30				Congress Dinner

REGISTRATION FEES

	Early before 23/04/18	Standard	On site
Regular Participants	550 €	600 €	630 €
Speakers and private and corporate members of the IIR	420 €	450 €	480 €
Members of the Organization or Scientific Committees of the Conference	420 €	450 €	450 €
Students	280 €	300 €	320 €
Accompanying persons	135 €	145 €	150 €

The registration fee for participants and students includes the conference programme, a memory stick with the conference proceedings, coffee, lunches, the welcome reception on the evening of June 17, and the conference diner on June 19.

The fee for accompanying persons includes the welcome reception, the city sightseeing tour and the conference diner.