VENUE AND SOCIAL PROGRAM OUTLINE

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

Valencia 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 dinner will be on June 19.

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

CORRESPONDENCE AND INFORMATION

Correspondence should be addressed to:

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Universitat Politècnica de València
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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

GL2018
18 - 20 June 2018
Valencia, Spain

INTERNATIONAL INSTITUTE OF REFRIGERATION
INSTITUT INTERNATIONAL DU FROID

13th IIR-GUSTAV LORENTZEN
CONFERENCE ON NATURAL REFRIGERANTS

Natural refrigerant solutions for warm climate countries

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.iifiir.org

1 http://www.visitvalencia.com/en/
GL2018 is an IIR/IIF event organized by the Institute for Energy Engineering\(^1\) of the Universitat Politècnica de València\(^2\), Spain.

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

**EQUIPMENT AND SYSTEMS**
- Properties of fluids and materials
  - Mixtures, oils, ice slurries, desiccants, PCMs...
- Processes
  - Evaporation, condensation, sorption...
- Components
  - Compressors, condensers, evaporators, expansion devices, ejectors...
- Cycle analysis
  - Other cycles, optimization...

**TECHNOLOGY IMPLEMENTATION**
- Properties, processes and components
  - Design, performance, Energy efficiency, CO2 global emissions, (integration...)
  - Industrial refrigeration
  - Supermarkets
  - Commercial refrigeration
  - Domestic refrigeration
  - Heating and cooling of buildings and hot water production
  - A/C, chillers, heat pumps, evaporative cooling, sanitary hot water production...
  - Market analysis
    - Market barriers, market uptake, market trends...
  - Refrigerated transport and MAC
  - Others
    - Sorption, Thermal Storage, District heating, Waste heat recovery, CHP, Hybrid systems...

**REGISTRATION FEES**
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 dinner on June 19.

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

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\(^1\) [http://www.iie.upv.es](http://www.iie.upv.es)

\(^2\) [http://www.upv.es](http://www.upv.es)