



Call for Papers

**6<sup>th</sup> IIR Conference on  
Thermophysical  
Properties  
and Transfer Processes  
of Refrigerants**

**IIR - B1 and B2 joint  
Conference**

**TPTPR2021  
Low GWP refrigerants:  
10 years after**

**University of Padova  
Vicenza Campus - Italy  
1-3 September 2021**

**[www.gest.unipd.it/TPTPR2021](http://www.gest.unipd.it/TPTPR2021)  
@mail: [TPTPR2021@gest.unipd.it](mailto:TPTPR2021@gest.unipd.it)**

**Abstract submission deadline  
20<sup>th</sup> December 2020**

**SAVE THE DATE**

**Objectives of the Conference**

The International Institute of Refrigeration (IIR) has established a series of Commission B1 (Thermodynamics and Transfer Processes) Conferences, held every 4 years, to discuss thermophysical properties and transfer processes of refrigerants.

In 2005, in Vicenza the 2<sup>nd</sup> TPTPR conference was a successful event of commission B1 and B2 (Refrigerating Equipment) and the organizers do believe that this format will continue to attract scientists from academia and industries.

The first version of the European Regulation F-GAS fixed in January 1<sup>st</sup> 2011 the formal start of the phase out of refrigerants having GWP>150 in automotive air conditioning. This date can be considered a milestone for most of the intense research and technological activity carried out in the recent years for the development and use of low GWP refrigerants. After 10 years, the TPTPR2021 will be a standout opportunity for analyzing the state of the art about the thermophysical properties and transfer processes of low GWP refrigerants: the aim will be to outline future perspectives in order to achieve the lowest possible impact of refrigeration on global environment.

It is now time to provide again an international forum to all researchers and practitioners to exchange updated information, present new developments and discuss the future directions and priorities in this important technological challenge.

**[www.gest.unipd.it/TPTPR2021](http://www.gest.unipd.it/TPTPR2021)**



Call for Papers

**13<sup>th</sup> IIR Conference  
on Phase-Change Materials  
and Slurries for  
Refrigeration and Air  
Conditioning**

*IIR - B1, B2 and D1  
joint conference*

**PCM2021  
Storing energy  
can make the difference**

**University of Padova  
Vicenza Campus - Italy  
1-3 September 2021**

**www.gest.unipd.it/PCM2021  
@mail: PCM2021@gest.unipd.it**

**Abstract submission deadline  
20<sup>th</sup> December 2020**

**SAVE THE DATE**

**Objectives of the Conference**

This interesting IIR series begun as a little workshop on ice slurry with 16 presented papers in Yverdon (CH) in 1999 and only six editions later the PCMs have been introduced, starting what has become an outstanding conference series focused on any kind of phase change materials and slurries.

Phase change materials and slurries are becoming key components in the energy structure of the future as envisioned by European Commission. Changing from a carbon-based energy society to one relying on renewable energy from the sun, wind, geothermal and biomass will necessitate to match the energy demand with the source availability. This result can be only achieved through energy storage. Thermal energy storage is one of the most efficient ways to store energy and phase change materials can make thermal energy storage compact and competitive. Furthermore, refrigeration and air conditioning can be considered as one of the most energy consuming technologies, which impacts on our daily life. The possibility to store energy in latent cold or hot thermal energy storage is also becoming more and more investigated and applied by both the scientific and industrial communities.

It is now time to provide again an international forum to all researchers and practitioners to exchange updated information, present new developments and discuss the future directions and priorities in this important technological challenge. This is PCM2021!

**www.gest.unipd.it/PCM2021**