15th IIR Conference on Phase-Change Materials and Slurries for Refrigeration and Air Conditioning

PCM 2026

XI'AN - CHINA

SEPTEMBER 16-18

15th IIR Conference on Phase-Change Materials and Slurries for Refrigeration and Air Conditioning

Second Announcement and Call for Papers

Xi'an, China September 16-18, 2026



Hosted by

International Institute of Refrigeration (IIR)

Organized by

Chinese Association of Refrigeration

Xi'an Jiaotong University

Tsinghua University

National Innovation Platform (Center) for Industry-Education Integration of Energy Storage Technology

China-Kyrgyzstan Belt and Road Joint Laboratory on Clean Energy and Energy Storage

Shaanxi Association of Refrigeration

Website

http://pcm2026.car.org.cn

Papers

The conference proceeding will be indexed on Web of Science and Scopus.

Conference Scope

Contributions can be submitted on a wide range of topics including, but not limited to:

- Thermophysical properties of PCMs and slurries
- Transport phenomena of PCMs and slurries: mass, momentum and heat transfer
- Processing of PCMs and slurries
- Numerical and experimental methods dedicated to PCMs and slurries
- Materials Science and innovation of PCMs and slurries
- Industrial (food, transport...) and building applications of PCMs and slurries
- Energy storage and savings
- Economic and environmental assessments

Key Dates

Full paper submission due: **May 1, 2026**

Full paper acceptance: **May 15, 2026**

Submission

All papers must be submitted through the conference website:

http://pcm2026.car.org.cn

Language

The official language for the conference is English. All papers and presentations should be prepared in English.

Elsevier-IIR Award

The aim of these two awards is to recognize efforts made by our community to contribute to high quality scientific research. The awards will compensate the Best Communication Paper and Best Poster.

Best Communication Paper - € 500

Best Poster - € 250

Winners will be selected by the Scientific Committee of PCM 2026, and must commit to submitting a full version paper to PCM 2026 and International Journal of Refrigeration (IJR).

Plenary Topics



Thermal Energy Storage for Clean Cooling - Challenges & Recent Progress

Prof. Yulong Ding, University of Birmingham



The Role of Latent Thermal Energy Storage in the Decarbonization: from Lab to Market

Assoc. Prof. Simone Mancin, University of Padova



Prospects for the development of thermal energy storage with ice slurry adapting to new electricity system

Prof. Xianting Li, Tsinghua University



Efficient heating by solar coupled heat pump with phase change heat storage

Prof. Xuejun Zhang, Zhejiang University



Thermal Energy Storage: Highly-efficient Mechanisms and Dynamic Regulation Methods

Prof. Ming-Jia Li, Beijing Institute of Technology

Preliminary Program

September 16	10:00-21:00	Registration
	19:00-21:00	Welcome Reception
September 17	09:00-12:30	Opening Ceremony
		Plenary Session 1
	13:30-18:30	Parallel Sessions
	19:30-21:00	Conference Dinner
September 18	08:30-10:30	Parallel Sessions
	11:00-12:00	Plenary Session 2
	12:00-12:30	Closing Ceremony
	13:30-17:00	Technical Tour

Registration

Registration Type	On-line Registration		On-site Registration
	Early (by August 1, 2026)	Standard (by September 1, 2026)	
Regular Participants	720 €	760 €	800 €
Private and corporate members of the IIR, members of the International Scientific Committee of the Conference, members of CAR	500 €	540 €	580 €
Students	360 €	380 €	400 €
Accompanying persons	180 €	190 €	200 €

* The registration fees include coffee breaks, lunches, conference dinner, conference badge & bag.

* Accompanying fees include lunches, conference dinner.

Venue & Accommodation

Shangri-La Hotel, Xian

Address: 38B Keji Road, Yanta District, Xian, Shaanxi, China

Phone: (86 29) 8875 8888

Please book your accommodation on the conference website: http://pcm2026.car.org.cn

Sponsorship

A wide range of sponsorship packages are available which will enable participation of companies and organizations irrespective of size.

A guideline as to available standard packages can be found on the conference website.

Contact Information

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