



5th ‘Belt and Road Initiative’ International Symposium on Sustainable Refrigeration and Air-Conditioning

Notification of Papers (first round)

The “Silk Road Economic Belt” has aroused widespread response in the international community, and Chinese and foreign experts are very concerned about the construction of the “Belt and Road”. To meet the new opportunities and challenges brought by the construction of “Belt and Road” for the development of refrigeration and air-conditioning industry, China Refrigeration and Air Conditioning Industry Association, Chinese Association of Refrigeration, World Society of Sustainable Energy Technologies, Xi'an Polytechnic University and University of Hull of the United Kingdom co-sponsored and organized the first International Symposium on the 1st ‘Belt and Road Initiative’ International Symposium on Sustainable Refrigeration and Air-Conditioning in Xi'an, China, in 2016. The 2nd, 3rd and 4th ‘Belt and Road Initiative’ International Symposium on Sustainable Refrigeration and Air-Conditioning were successfully held at the University of Hull (UK), Shenzhen (Guangdong) and Quanzhou (Fujian) in 2018, 2021 and 2023, respectively. The 5th ‘Belt and Road Initiative’ International Symposium on Sustainable Refrigeration and Air-Conditioning is planned to be held on **6-8 August 2025**, at The Hong Kong Polytechnic University.

The theme of the 5th ‘Belt and Road Initiative’ International Symposium on Sustainable Refrigeration and Air-Conditioning is “Green Innovation on the Silk Road”. Its purpose is to combine the climate environment and economic development characteristics of countries along the "Belt and Road", take the realization of carbon peaking and carbon neutrality goals as the driving force, carry out efficient refrigeration and air-conditioning design and technological innovation, and thus promote the high-quality development of the refrigeration and air-conditioning industry in countries along the route.

1. Organisation Institutions

China Machinery Industry Federation

China Refrigeration and Air Conditioning Industry Association

Chinese Association of Refrigeration

World Society of Sustainable Energy Technologies

Xi'an Polytechnic University

University of Hull

The Hong Kong Polytechnic University

Co-organizer

China Refrigeration and Air-Conditioning Industry Association, Evaporative Cooling Air Conditioning Branch

2. Date and Venue

6-8 August 2025 at The Hong Kong Polytechnic University (Arrival on 6th Aug 2025 for 2-days meeting from 7th to 8th Aug 2025)

3. Conference Chairs

We warmly welcome you to attend the symposium and look forward to seeing you soon in The Hong Kong Polytechnic University, Hong Kong.

Conference Chair:

Professor Hongxing Yang

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Professor Xiang Huang

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4. Topics

- Green and sustainable heating, ventilation, air-conditioning and refrigeration technologies
- Applications of renewable energy for refrigeration and air-conditioning
- Energy efficiency improvement and energy saving management in refrigeration and air-conditioning
- Development and application of evaporative cooling technology
- Ground source heat pumps, development and application of heat pump technology
- New technologies of energy saving in buildings
- Energy storage technology and energy use optimization
- Efficient cooling Technologies for data centres
- Solar and wind power generation
- Indoor carbon capture
- Other relevant topics

5. Registration Fee

Conference registration fee for non-corporate delegates will be **HK\$2,500** per person, and delegates of participating enterprises will be **HK\$15,000** for corporate registration while the conference organizer will arrange exhibition booths and display boards for enterprises for corporate publicity and display, provide opportunities for speeches at the conference, and waive the conference registration fee for three persons.

6. Requirements of Paper Submissions

- All the papers should not be publicly published before. The language expression is concise and rigorous, the exposition is well-founded, and the arguments are clear. The papers should have the significance of industry guidance and practical application, and attention should be paid to conserving state secrets.
- Please send the Word version of your paper by email to: wenchao511.shi@connect.polyu.hk
- Submission Deadline: 31st May 2025
- Experts will be invited to evaluate all the papers, and accepted papers will be published in the conference proceedings. In addition, the conference will select some good papers for awarding “Best Paper Award”, and selected papers will be recommended for publications in special issues of international journals.

Academic staff members, researchers and postgraduate research students from universities and research institutes, industry experts, engineers and business representatives are cordially invited to participate in this international symposium and present your papers of related topics. Necessary visa

or Hong Kong Travel Permit may be required. Participants should make your hotel reservation at your own expense.

7. Contact

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