



THE 10th INTERNATIONAL CONFERENCE ON COMPRESSOR AND REFRIGERATION, 2025

Second Announcement

ORGANIZER

Xi'an Jiaotong University
Chinese Association of Refrigeration (CAR)
China Refrigeration and Air-Conditioning Industry Association (CRAA)
State Key Laboratory of High-End Compressor and System Technology
State Key Laboratory of Compressor Technology

CO-ORGANIZER

International Institute of Refrigeration (IIR)
American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)
Association of European Refrigeration Component Manufacturers (ASERCOM)
Japan Society of Refrigerating and Air Conditioning Engineers (JSRAE)
The Society of Air-conditioning and Refrigerating Engineers of Korea (SAREK)
Fluid Engineering Institute of CMES
Shaanxi Association of Refrigeration

XI'AN · CHINA

July 10 - 11, 2025

<http://www.iccr-xjtu.org>

INTRODUCTION

The 10th International Conference on Compressor and Refrigeration (ICCR) is a series of conferences, originating from the International Compressor Technique Conference (ICTC).

The first International Compressor Technique Conference was held in Xi'an, in 1993. Since then, nine ICCRs have been held. This conference is an important academic conference in the field of compressors and refrigerating technology, offering attendees an opportunity to discuss the current techniques, information and products. The conference scope covers the technique of positive displacement compressor and centrifugal compressor (design, system analysis, modeling, control and operation), and the technique concerning refrigeration, HVAC and cryogenics.

The 10th International Conference on Compressor and Refrigeration (ICCR) will be held at Xi'an Jiaotong University, Xi'an, P.R. China, on **July 10 - 11, 2025**.

The conference will include the following topics:

- Positive Displacement & Dynamic Compressors
- Lubrication, Sealing, Vibration and Noise
- Air-Conditioning, Freezing, and Refrigerating Systems
- Heat Pump and Energy Recovery
- HVAC and High-Performance Building Technology
- Cryogenic Systems, Gas Liquefaction and Separation, Cryogenic Gas Compressors
- Hydrogen Recirculation and Air System in Fuel Cell
- Alternative and Natural Working Fluids
- Thermal Management Technology for New Energy Vehicles
- Compressed Air Energy Storage and Liquid Air Energy Storage Technologies

Plenary Lecture

- 1 Some Latest Research Advances in Centrifugal Compressors at Xi'an Jiaotong University
——Guang Xi (Xi'an Jiaotong University, China)
- 2 Emerging Technologies for Positive Displacement Compressors and Expanders
——Kovacevic (City University London, UK)
- 3 Latest Research Trends in Air Conditioning, Refrigeration, and Heat Pump Technology
——Stefan Elbel (Technische Universität Berlin, German)
- 4 Rethinking Heat Exchangers for Sustainable Cooling, Heating, and Refrigeration
——Vikrant Aute (University of Maryland, USA)



- 5 Performance Analysis of High-Pressure Hydrogen Compression Using Hydrogen-Metal Technology and Waste Heat Recovery
——Yunting Ge (London South Bank University, UK)
- 6 Solid State Refrigeration and Heat Pump Technologies: From absolute zero to industrial heating
——Andrej Kitanovski (Univerza v Ljubljani, Slovenia)
- 7 Thermal management of lithium-ion batteries for electric vehicles and energy storage system
——Hoseong Lee (Korea University, Korea)
- 8 Application, Development, and Challenges of Compressor in the Hydrogen Energy Field
——Xiaohan Jia (Xi'an Jiaotong University, China)
- 9 Energy Efficiency Measurement Standards and Performance Improvement of Heat Pump Systems
——Lingling Yuan (Atlas Copco)
- 10 Research on Key Technologies of Wide-Frequency High-Efficiency and Low-Noise Compressors
——Jiansheng Liao (Guangdong Meiji Refrigeration Equipment Co.)



CONFERENCE LANGUAGE

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



ORGANIZATION

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Lei Zhou	Dunham-Bush (China) Industrial Co., Ltd.	China
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Secretary

Dantong Li Yanpeng Li Chengyu Peng Che Wang Gangya Xiao Shuo Zong





REGISTRATION FEES

	Early Bird (By July 1, 2025)	Standard (After July 1, 2025)
Attendee's registration fee	\$500	\$600
Author's registration fee	\$450	\$500
Student's registration fee	\$250	\$300
Fee covers reception, banquet, meals, gift, technical tour arranged by the conference.		
Spouse's Registration fee	\$150	\$200
Fee covers reception, banquet, meals, gift, activities arranged by the conference		

Bank Account Information:

Please pay the registration fee to the following account and send payment voucher to E-mail sec@iccr-xjtu.org.

Name of Bank	CHINA CONSTRUCTION BANK SHAANXI BRANCH XI'AN XIN CHENG SUB_BR
Bank Address	NANXIN STREET 29# XIAN CHINA
Account Number	61050177001200003433
Account Name	Xi'an Mancheng Culture Media Co., Ltd.
Swift Code	PCBCCNBJXXX



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ABOUT 144-hour Visa-free Transit Policy

There are more than 20 cities in China implementing the 144-Hour TWOV (Transit without Visa) policy, including the Yangtze River Delta (Shanghai, Jiangsu, Zhejiang, Ningbo), Jing-Jin-Ji Region (Beijing, Tianjin, Hebei), Liaoning (Shenyang, Dalian), **Xi'an**, Chengdu, Chongqing,

Xiamen, Kunming, Zhengzhou, Wuhan and Qingdao and Guangdong Province (Guangzhou, Shenzhen and Chaoshan). Different (air, railway and cruise) ports of entry are opened in the cities. **The visa-free policy provides greater convenience for international transit, as well as more flexibility of short-term travel, business trip and family visit in China.**

Website:

https://english.www.gov.cn/policies/featured/202311/24/content_WS65608167c6d0868f4e8e199f.html

ABOUT XI'AN CITY

Xi'an, the eternal city, records the great changes of the Chinese nation just like a living history book. Called Chang'an in ancient times, Xi'an is one of the birthplaces of the ancient civilization in the Yellow River Basin area of the country. Over its 3,100-year development, 13 dynasties established their capitals here. So far, Xi'an enjoys equal fame with Athens, Cairo, and Rome as one of the four major ancient civilization capitals.

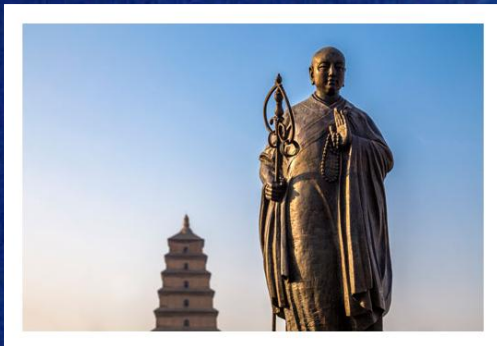


The cultural and historical significance of the area, as well as the abundant relics and sites, help Xi'an enjoy the laudatory title of 'Natural History Museum'. The **Museum of Terra Cotta Warriors and Horses** is praised as 'the eighth major miracle of the world'. The Mausoleum of Emperor Qin Shi Huang is listed on the World Heritage List, and the **City Wall** of the Ming Dynasty (1368-1644) is the largest and most intact Ming Dynasty castle in the world.

The Bell Tower, first built in 1384 during the Ming dynasty, is a stately traditional building, which stands in the center of the downtown area. The wooden tower with carved beams and painted rafters, has served as the symbol of Xi'an.

Big Wild Goose Pagoda is a well-preserved ancient building and a holy place for Buddhists. It attracts numerous visitors for its fame in the Buddhist religion, its simple but appealing style of construction, and its new square in front of the temple. Originally built in 652 AD during the Tang Dynasty, Big Wild Goose Pagoda functioned to collect Buddhist materials that were taken from India by the hierarch Xuanzang. Five kilometers away from Big Wild Goose Pagoda, there is **Xi'an Qujiang Pool Park**, covering 247 acres. It is an open urban eco-cultural park integrating historical and cultural protection, ecological gardens, landscape, leisure tourism, folklore inheritance and art exhibition.

Around Xi'an, the **Famen Temple** enjoys the reputation of being the 'forefather of pagodas and temples in Central Shaanxi, because it holds the finger bones of **Sakyamuni** -- the founder of Buddhism. The natural landscape around Xi'an is also marvelous. **Mt. Huashan**, one of the five best-known mountains in China, is famous for its breathtaking cliffs and its unique characteristics.



Additionally, there are several new spots that restore the scene of the Han Dynasty and Tang Dynasty including **Tang Paradise**, **Hancheng Lake** and **Great Tang All Day Mall**. Every place is beautiful and fascinating.

Welcome to Xi'an.

