



THE 10th INTERNATIONAL CONFERENCE ON COMPRESSOR AND REFRIGERATION, 2025

First Announcement and Call for Papers

ORGANIZER

Xi'an Jiaotong University
Chinese Association of Refrigeration (CAR)
China Refrigeration and Air-Conditioning Industry Association (CRAA)

CO-ORGANIZER

International Institute of Refrigeration (IIR)
Hefei General Machinery Research Institute
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

XI'AN · CHINA

July 9 - 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 9 - 11, 2025**.

The conference will include the following topics:

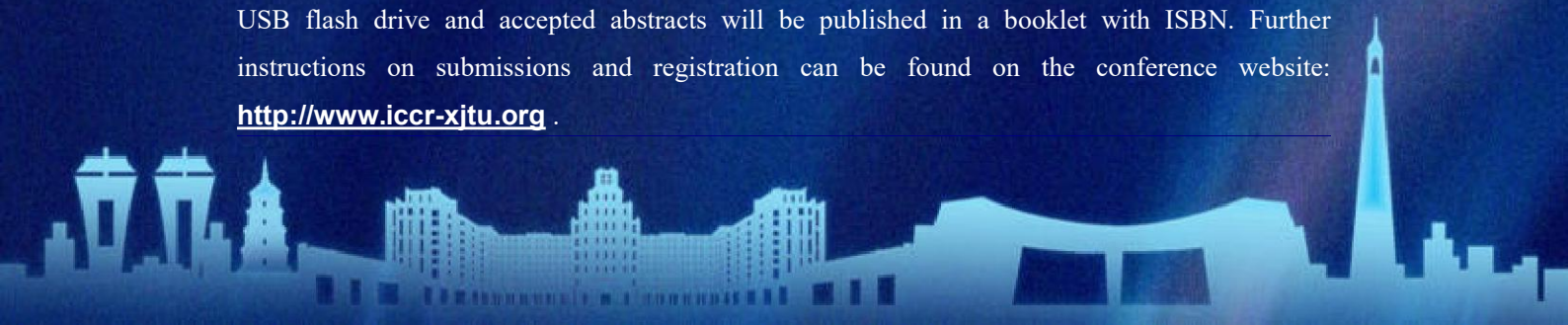
- Positive Displacement & Dynamic Compressors
- Lubrication, Sealing, Vibration and Noise
- Air-Conditioning, Freezing, and Refrigerating Systems
- Heat Pump and Energy Recovery
- HVAC and High-Performance Building Technology
- Cryogenic Systems, Gas Liquefaction and Separation, Cryogenic Gas Compressors
- 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



SUBMISSION OF ABSTRACTS AND PAPER

The participants are kindly invited to submit abstracts to the organizing committee at <http://www.iccr-xjtu.org> before **January 30, 2025**. Authors will be notified of acceptance of the abstract by **February 10, 2025**. The full papers are requested to be received by **April 15, 2025**. The full paper will be peer-reviewed. Accepted papers will be presented orally or by poster at the conference.

The electronic version of the accepted full papers will be given to participants in the form of a USB flash drive and accepted abstracts will be published in a booklet with ISBN. Further instructions on submissions and registration can be found on the conference website: <http://www.iccr-xjtu.org>.



CONFERENCE LANGUAGE

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

IMPORTANT DATES

Abstract deadline **January 30, 2025**

Manuscripts deadline **April 15, 2025**

Conference **July 9 - 11, 2025**

CONTACT INFORMATION

Yi Guo

School of Energy and Power Engineering

Xi'an Jiaotong University

Xi'an, 710049, P.R. China

Telephone: **+86 132 0184 8800**

Email: **sec@iccr-xjtu.org**

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

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:

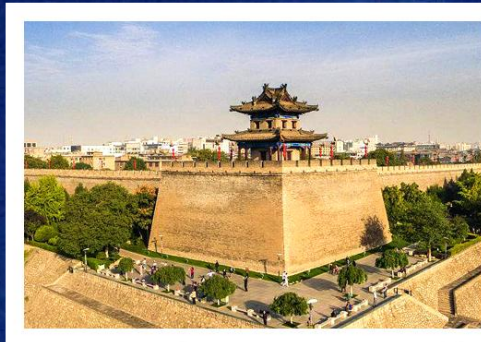
https://english.www.gov.cn/policies/featured/202311/24/content_WS65608167c6d0868f4a8e199f.html





ABOUT XI'AN CITY

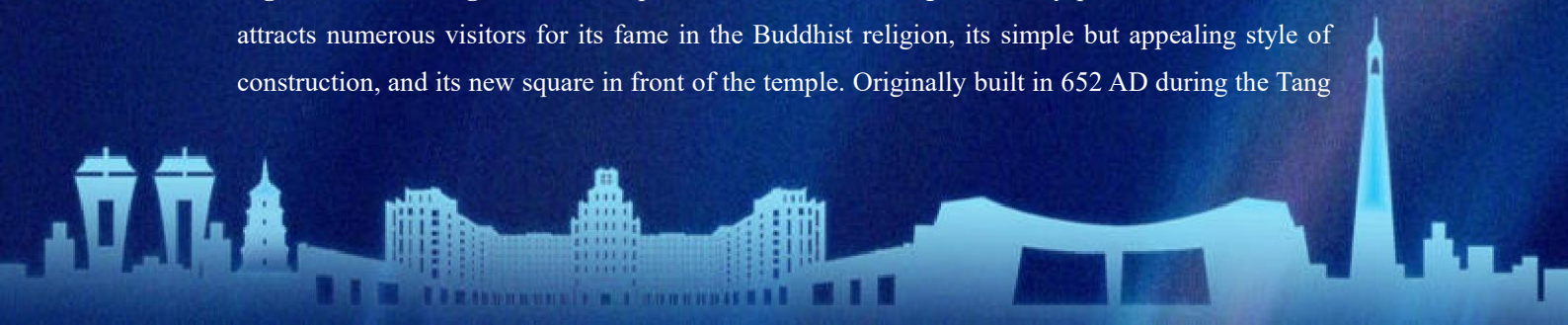
Xi'an, the eternal city, records the great changes of the Chinese nation just like a living history book. Called Chang'an in ancient times, Xi'an is one of the birthplaces of the ancient civilization in the Yellow River Basin area of the country. Over its 3,100-year development, 13 dynasties established 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.

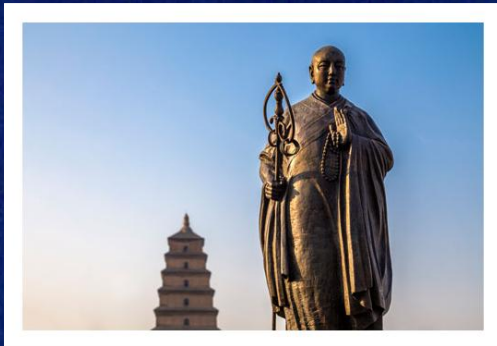
The Bell Tower, first built in 1384 during the Ming dynasty, is a stately traditional building, which stands in the center of the downtown area. The wooden tower with carved beams and painted rafters, has served as the symbol of Xi'an.

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.

