



*The 8<sup>th</sup> International Conference on  
Compressors and Refrigeration, 2017*

**Second Announcement and Call for Papers**

**SPONSORED BY**

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

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International Institute of Refrigeration  
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**XI'AN · CHINA**

**July 20-22, 2017**

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



## **Introduction**

The 8th International Conference on Compressor and Refrigeration (ICCR) is a series of conference, originating from the International Compressor Technique Conference (ICTC).

The first International Compressor Technique Conference was held in Xi'an, 1993. Since then, seven ICCRs have been held in China. This conference is an important academic conference in the field of compressors and refrigerating technology, offering attendees an opportunity to discuss the current technique, information and products. Its field includes 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 8th International Conference on Compressor and Refrigeration (ICCR) will be held in Xi'an Jiaotong University, Xi'an, P.R. China, **July 20-22, 2017**.

The conference will cover the following topics:

- **Current technique, information, problems, and solutions of pneumatic, chemical, petrochemical and refrigeration compressors**
  - **Valve, lubrication, sealing, vibration and noise**
  - **Air-conditioning, freezing and refrigerating system**
  - **Heat pump and energy recovery**
  - **HVAC and high performance building technology**
  - **Gas liquefaction and separation**
  - **Alternative working fluid**
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## **Plenary lecture**

1. The future of CO<sub>2</sub> refrigeration and thermal technology  
--- Pega Hrnjak, University of Illinois at Urbana-Champaign (UIUC)
2. PDSim: A Generalized Modeling Platform to Predict the Performance of Positive Displacement Compressors and Expander --- Eckhard Groll, Purdue University
3. Recent developments in modelling of Positive Displacement Twin Screw Machines  
---Ahmed Kovacicic, City University, London
4. Transient dissolution and separation phenomena of oil/refrigerant mixture  
---Mitsuhiro Fukuta, Shizuoka University
- 5.New Solid State Cooling Technologies --- Yunho Hwang, Maryland University
- 6.International Energy Efficiency in Buildings Standards --- Essam E Khalil, Cairo University
7. Efficient Heat Pumps and Terminals for Different Climate Zones  
---Ruzhu Wang, Shanghai Jiaotong University

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## ORGANIZATION

### CONFERENCE CHAIRPERSON

#### Honorary Chairperson

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Jiawei Jin	Chinese Association of Refrigeration	China
Min Shi	Chinese Refrigeration and Air-conditioning Association	China
Yaling He	Xi'an Jiaotong University	China
Yongzhang Yu	Xi'an Jiaotong University	China
Pengcheng Shu	Xi'an Jiaotong University	China
Yezheng Wu	Xi'an Jiaotong University	China

#### Chairperson

Ziwen Xing	Xi'an Jiaotong University	China
Pega Hrnjak	University of Illinois at Urbana-Champaign	U.S.A.
Yan Tang	Kaishan North America Development Center	U.S.A.

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Jinping Liu	South China University of Technology	China
Jie Zhu	The University of Nottingham	U.K.

Xiaosong Zhang	Southeast University	China
Guoliang Qin	Xi'an Jiaotong University	China
Xiaolin Wang	Tasmania University	Australia
Shiming Xu	Dalian University of Technology	China
Bjorn Palm	KTH Royal Institute of technology	Sweden
Huanxin Chen	Huazhong University of Science and Technology	China
Qin Wang	Zhejiang University	China
Pradeep Bansal	University of Auckland	New Zealand
Jiang Shen	Tianjin University of Commerce	China
Zhenjun Ma	University of Wollongong	Australia
Zhentaoh Zhang	Technical Institute of Physics and Chemistry CAS	China
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Zongchang Qu	Xi'an Jiaotong University	China
Jianhua Wu	Xi'an Jiaotong University	China

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Lei Zhou	Dunham-bush (China) Co.,Ltd.	China
Fabian	Beijing Embraco snowflake Co., Ltd.	Brazil

## SECRETARY TEAM

### Secretary

Huagen Wu	Zhilong He	Sheng Wang
Bei Guo	Suxin Qian	Liang Pu

## **Submission of Paper**

The participants are kindly invited to submit paper to the local organizing committee at [sec@iccr-xjtu.org](mailto:sec@iccr-xjtu.org) before **May 1, 2017**. The full paper will be peer-reviewed. Accepted papers will be presented orally or by poster in the conference. Further instructions on submissions and registration can be found on conference website: <http://www.iccr-xjtu.org>.

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## **Conference Language**

The official language for the Conference is English. All papers and presentations should be prepared in English. Conference provides simultaneous interpretation for plenary lecture.

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## **Conference Location**

Jianguo Hotel, No. 2 Huzhu Road, Xi'an, Shaanxi, China



Transportation:

1, Airport bus: You can take airport bus directly to Jianguo hotel from Xi 'an xianyang international airport. Airport bus starts at 8:00am and ends at 20:00pm. It is about 80 minutes running time and charges of 25RMB.

2, Taxi: It takes about 60 minutes to get to Jianguo hotel from Xi 'an xianyang international airport. It costs about 150RMB.



## **Registration Fees**

**Publication fee** **\$100**

The publication fee should be accompanied with an abstract booklet and an electronic copy of the proceedings.

**Attendee's registration fee** **\$600**

**Author's registration fee** **\$500**

**Student's registration fee** **\$300**

Fee covers reception, banquet, meals, gift, technical tour arranged by the conference.

**Spouse's Registration fee** **\$200**

Fee covers reception, banquet, meals, gift, activities arranged by the conference



## **Contact Information**

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## 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, Xian is one of the birthplaces of the ancient civilization in the Yellow River Basin area of the country. During Xian's 3,100-year development, 13 dynasties such as Qin (221 BC-206 BC), Western Han (206 BC-24 AD) and Tang (618-907) placed their capitals here. So far, Xian 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 Xian 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', 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. In the city, there is the 3,000 year old **Banpo Village Remains** from the Neolithic Age (approximately from 8000 BC to 5000 BC), and the **Forest of Stone Steles** that holds 3,000 stone steles of different periods from the Han Dynasty to the Qing Dynasty.

Around Xian, 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 Xian is also marvelous. **Mt. Huashan**, one of the five best-known mountains in China, is famous for its breath-taking cliffs and its unique characteristics.

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