

April 6-9, 2013

The 5<sup>th</sup>

# INTERNATIONAL CONFERENCE ON CRYOGENICS AND REFRIGERATION

Hangzhou, China

Call for Papers

# ICCR2013



## Sponsored by:

Zhejiang University

Shanghai Jiao Tong University

Chinese Association of Refrigeration

International Institute of Refrigeration

## GENERAL

The International Conference on Cryogenics and Refrigeration (ICCR) has been successfully held in Hangzhou, China for three times in 1989, 1998 and 2003, and once in Shanghai, China in 2008 respectively. The purpose of ICCR is to bring together academic and industrial experts specializing in cryogenics, refrigeration and air conditioning in order to stimulate a fruitful exchange of up-to-date scientific and technical information.

You are cordially invited to participate in the 5<sup>th</sup> International Conference on Cryogenics and Refrigeration ([ICCR2013](#)), which will be held on April 6-9, 2013 at Zhejiang University, Hangzhou, China.

Zhejiang University is located in [Hangzhou](#), a beautiful city about 150 km southwest Shanghai, endowed with a pleasant climate, picturesque surroundings and a world-class academic environment. Hangzhou's West Lake Cultural Landscape was inscribed on UNESCO's World Heritage List in 2011.

In connection with the conference, the China Refrigeration Expo (CRH2013), one of the biggest Refrigeration Exhibitions in the world, will be held on April 8-10, 2013, in Shanghai.

## SPONSORED BY

Zhejiang University, China

Shanghai Jiao Tong University, China

Chinese Association of Refrigeration

International Institute of Refrigeration (IIR)

## TECHNICAL TOPICS

A: Cryogenic Engineering

A-1 Liquefaction and Separation of Gases

A-2 Cryogenic Refrigeration and Cryocoolers

A-3 Liquefied Nature Gas and Its Application

B: Refrigeration Engineering

B-1 Heat Pump and Energy Recovery

B-2 Sorption Refrigeration

B-3 Air Conditioning

B-4 Alternative Refrigerants

B-5 Novel Refrigeration Techniques

C: Applications of Cryogenic and Refrigeration Techniques

C-1 Energy

C-2 Aerospace

C-3 Cryobiology, Freeze-drying and Cryomedicine

D: Other related Topics

D-1 Thermodynamics

D-2 Heat Transfer

D-3 Fluid Flow

D-4 Material Properties

## INVITED TALKS

Invited speakers and papers are being organized and confirmed. Details will be announced in the second circular.

## SUBMISSION OF ABSTRACTS AND PAPERS

The participants are kindly invited to submit abstracts on-line to the local organizing committee no later than December 1, 2012. The abstract template is available from the conference website: <http://www.doe.zju.edu.cn/ICCR2013>. Authors will be notified of acceptance of the abstract by December 31, 2012. The papers are requested to be prepared according to the instruction which will be sent to the authors and available on ICCR2013 website as well. Complete full papers must be received no later than February 20, 2013.

## CONFERENCE LANGUAGE

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

## PUBLICATION

The thumb drive containing all conference manuscripts together with an abstract booklet will be distributed to delegates at the conference registration desk. All the presenters (plenary, invited, contributed oral, and poster) are kindly encouraged to submit their manuscripts.

Manuscripts will be peer-reviewed and recommended to publish on international journals (Indexed by SCI or EI) on request.

## REGISTRATION

All prospective participants are advised to register early on-line. The rate of the registration fee depends on the type of participants and the date of registration. The accommodation information and the payment details will be announced in the second circular and on ICCR2013 website.

Participants residing outside Mainland China are advised to provide VISA Information for yourself, as well as anyone who accompanies you at your earliest convenience by the Registration Form at ICCR2013 website, and then the secretariat will send you an official invitation letter, which is a required document for your visa application.

## REGISTRATION FEE

Registration Type	On-line Registration		On-site Registration
	Early (by Feb. 20, 2013)	Standard (by Mar. 20, 2013)	Late (from Mar. 21, 2013)
Full Participants	500 US\$	550 US\$	600 US\$
	Fee includes admission for all scientific programs; for the welcome reception, banquet, and campus lunch card; and for the technical tour. Participants will also receive a thumb drive with conference papers, a conference program & abstract booklet, a conference bag and a name badge.		
Student and Retiree Participants	250 US\$	275 US\$	300 US\$

(student ID is required)	Fee includes admission for all scientific programs; for the welcome reception, banquet, and campus lunch card; and for the technical tour. Participants will also receive a thumb drive with conference papers, a conference program & abstract booklet, a conference bag and a name badge.		
<b>Accompanying Persons</b>	200 US\$	200 US\$	200 US\$
	Fee includes a name badge, welcome reception, banquet and companion's program (sightseeing in Hangzhou)		

\*The net remittance should be paid to conference and the service fee is borne by the delegates.

## TECHNICAL VISIT AND EXHIBITION

Technical visit will be organized during the conference. The details of the technical visit will be notified later. People who want to display or advertise their products during the conference are kindly requested to contact local organizing committee in order to reserve space for their displays.

A free Shuttle bus to China Refrigeration Expo will be available in the morning of April 9.

## SOCIAL PROGRAM

The social program will include a reception, a banquet and a technical visit as well as a sightseeing tour to famous landmarks in Hangzhou.

## HOTEL RESERVATION

The hotel reservation information will be provided in the second circular. The hotel registration must be finished on ICCR2013 website no later than March 20, 2013.

## GETTING TO ICCR2013

The conference site will be at the Zijingang campus of Zhejiang University. It is convenient to get to the conference site from the Hangzhou International Airport and railway station. Delegates can also transfer through Beijing, Shanghai and other major cities

in China. Please check ICCR2013 website for more travel suggestions.

## ICCR CHAIRMEN

- L. M. Qiu                    Zhejiang University, China  
Vice President of Commission A2, IIR
- R. Z. Wang                 Shanghai Jiao Tong University, China  
Vice President of Commission B2, IIR

## INTERNATIONAL PROGRAM COMMITTEE

- A. Akisawa                 Tokyo University of Agriculture and  
Technology, Japan
- H. Auracher                 University Berlin, Germany,  
President of Section B, IIR
- A. M. Bredesen             Norwegian University of Science and  
Technology, Norway
- G. B. Chen                 Zhejiang University, China
- G. M. Chen                 Zhejiang University, China
- K. N. Cho                    Sungkyunkwan University (SKKU),  
Korea
- M. Chorowski             University of Wroclaw, Poland,  
President of Commission A2, IIR
- V. Chrz                     Chart Ferox, Czech
- R. E. Critoph                Warwick University, UK
- F. de Waele                 Technical University of Eindhoven, The  
Netherlands
- G. L. Ding                 Shanghai Jiao Tong University, China
- P. Domanski                NIST, USA, President of the Science  
and Technology Council, IIR
- J. D. Fuerst                Cryogenic Society of American, Inc.,  
USA
- E. A. Groll                 Purdue University, USA
- R. HERZOG                 ILK Institute, Germany,  
President of Commission A1, IIR
- T. Huruyama                KEK National Laboratory for high  
Energy physics, Japan
- E. Hihara                 The University of Tokyo, Japan
- S. K. Jeong                 KAIST, Korea
- Y. T. Kang                 Kyung Hee University, Korea,  
President of Commission B1, IIR
- M. Kauffeld                The Karlsruhe University of Applied  
Sciences, Germany,

D. L. Kim	President of Commission B2, IIR National Fusion R&D Center, Korea
N. H. Kim	University of Incheon, Korea
C. N. Kim	National University of Singapore, Singapore
P. Lebrun	CERN, Switzerland, President of Section A, IIR
Y. Z. Li	Xi'an Jiao Tong University, China
Y. G. Li	University of Hong Kong, China
W. D. Long	Tongji University, China, President of Section E, IIR
L. Luo	Savoy University, France
Y. T. Ma	Tianjin University, China
M. Murakami	University of Tsukuba, Japan
P. Neksa	Norwegian University of Science and Technology, Norway
B. Palm	Royal Institute of Technology, Sweden
J. Pfoth	University of Wisconsin, USA
L. M. Qiu	Zhejiang University, China, Vice President of Commission A2, IIR
R. Radebaugh	NIST, USA
R. Radermacher	University of Maryland, USA
L. Renato	University of Padova, Italy, President of Commission E1, IIR
K. Saito	Waseda University, Japan
S. M. Shu	Huazhong University of Science & Technology, China
M. Ter Brake	University of Twente, The Netherlands, ICEC Chairman
G. Thummes	University of Giessen, Germany
S. W. Wang	The Hong Kong Polytechnic University, Hongkong, China
R. Z. Wang	Shanghai Jiao Tong University, China Vice President of Commission B2, IIR
J. F. Wu	Technical Institute of Physics and Chemistry, CAS, China Vice President of Commission A1, IIR
Y. N. Wu	Institute of Technical Physics, CAS, China
Y. F. Yang	University of Southampton, UK
H. Zhang	University of Shanghai for Science and Technology, China
L. Zhang	Technical Institute of Physics and Chemistry, CAS, China

X. S. Zhang Southeast University, China  
 Y. P. Zhang Tsinghua University, China  
 Y. Zhou Technical Institute of Physics and  
 Chemistry, CAS, China  
 F. Zigler Technische Universitaet Berlin,  
 Germany

## LOCAL ORGANIZING COMMITTEE

G. M. Chen Zhejiang University, China  
**(Chairman)**  
 G. L. Ding Shanghai Jiao Tong University, China  
 Q. Wang Zhejiang University, China  
**(Secretary General)**  
 P. Zhang Shanghai Jiao Tong University, China  
 H. Q. Jing Chinese Association of Refrigeration

## IMPORTANT DATES

December 1, 2012	Abstract Submission Deadline
December 31, 2012	Notification of Abstract Acceptance
February 20, 2013	Deadline for The Full Papers
March 20, 2013	Early Registration Deadline Hotel Reservation Deadline
April 6-9, 2013	Conference

# ICCR2013 April 6-9, 2013 Hangzhou, China



**Zhejiang University**



**Shanghai Jiao Tong  
University**



**Chinese Association of  
Refrigeration**



**International Institute  
of Refrigeration**

---

## ICCR2013 OFFICE

Prof. Q. Wang  
Institute of Refrigeration and Cryogenics  
Zhejiang University  
Hangzhou 310027  
P. R. China  
Tel: +86-571-8795 3195  
Fax: +86-571-8795 2793  
E-mail: ICCR2013@zju.edu.cn  
<http://www.doe.zju.edu.cn/ICCR2013>