

# The 3<sup>rd</sup> International Symposium on Supercritical Water- Cooled Reactors – Design and Technology

Shanghai Jiao Tong University  
Shanghai, China

March 12-15

Announcement &  
Call for paper

## Background & Objectives

Nuclear energy is well recognized as one of the most important energy sources for the future power generation. As the only water-cooled reactor among the 6 concepts recommended by GIF, the supercritical water-cooled reactor (SCWR) is achieving more and more attention of the international nuclear community. The ambitious program of nuclear power development in China requires reactor concepts with sustainable, safe, and more economic features. The past five decades experience emphasizes the importance of a tight information exchange and collaboration between the international nuclear community members, to achieve a safe and sustainable development of nuclear power. Based on the expression of interest of the Chinese Government in July 2006, the GIF Policy Group voted unanimously to extend an offer of membership to China. China's formal entry into GIF is expected to be finalized by November 2006.

Many Chinese nuclear institutions (utilities, research laboratories and universities) are carrying out or planning to launch R&D activities on SCWR. This Symposium intends to provide a discussion forum for the international community of SCWR to exchange research programs and research results, to establish and to enhance the contact and collaboration between the Chinese research institutions with international partners. In addition, this symposium will give the Chinese nuclear community and Chinese government authorities an insight into the actual research status and future research needs in SCWR development.

## Scope

This Symposium will cover (but not limited to) the following topics:

- Conceptual Design Study and R&D Program
- Reactor Core and Fuel Element Design
- Material Issues
- Thermal-Hydraulics of Supercritical Fluids
- Advanced Analysis Codes
- Experience and R&D of Supercritical Fossil Fired Power Plants
- Other Advanced and Innovative Water-Cooled Reactor Concepts

In addition, keynote lectures are arranged, to give important overview about the Chinese and international activities in various topics.

### Symposium Organizers

The symposium organizing committee is made up of international experts from nuclear industries, research institutions and universities. The symposium officials are as follows:

#### General Chairs

Prof. S. W. Xie, Shanghai Jiao Tong University, China  
Prof. Y. Oka, University of Tokyo, Japan  
Prof. T. Schulenberg, FZK, Germany  
Dr. R. Duffey, AECL, Canada

#### Technical Program Chair

Prof. Xu Cheng  
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#### International Technical Program Committee

Dr. Aksan PSI, Switzerland  
Prof. T. Allen, University of Wisconsin, USA  
Dr. Y.Y. Bae, KAERI, Korea  
Prof. S.H. Chang, KAIST, Korea  
Dr. J. Cleveland, IAEA, Austria  
Prof. M. Corradini, University of Wisconsin, USA  
Dr. L. Heikinheimo, VTT, Finland  
Prof. Y. Katsumura, University of Tokyo, Japan  
Dr. H. Khartabil, AECL, Canada  
Dr. L. Leung, AECL, Canada  
Prof. G. Was, University of Michigan, USA  
Dr. K. Yamada, Toshiba, Japan

Dr. P. Vijayan

BARC, India

#### National Advisory Committee

TBD

#### Local Organizing Committee

Prof. Y.H. Yang Shanghai Jiao Tong University  
Prof. D.Z. Wang Shanghai Jiao Tong University  
Prof. B. Kuang Shanghai Jiao Tong University  
Prof. S.H. Zhang Shanghai Jiao Tong University  
Mrs. Y.C. Yuan Shanghai Jiao Tong University

#### Important Deadlines

Submission of abstracts: November 15, 2006  
Author notification of abstract acceptance: December 15, 2006  
Submission of full paper: February 15, 2007  
Registration of attendee: March 1, 2007

#### Conference fee

Early registration (before February 1<sup>st</sup>, 2007): 300 USD

Late registration (after February 1<sup>st</sup>, 2007): 350 USD

Students: discount on request

The conference fee includes conference reception, conference banquet, luncheons, conference proceeding CD, technical tours.

Conference fee can be paid via bank transfer or on the symposium site. The Bank transfer account will be announced soon.

#### Accommodation:

The conference organizer has booked a contingent of rooms for a reduced rate at the Faculty Club of SJTU in the city center. In case you need a reservation at the Faculty Club, please make indication in the registration form.



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### Proceedings

The symposium proceedings will be published on CD-ROM after the meeting and will be provided to all attendees.

### Symposium language

The official language of the symposium is English

### Technical Tours

Two one-day technical tours are envisaged and will be finalized soon

*Tour A:* Qinshan Nuclear Power Plant

*Tour B:* Supercritical fossil-fired power plant near Shanghai

According to the interests of attendee and the available possibilities, additional tours can be organized.

### Social Programs

Social programs can be arranged according to the requirements of the attendee

### Symposium Homepage

Actual information of the symposium is available at the symposium homepage:

<http://nsse.sjtu.edu.cn/SCWR2007/>

### Workshop Secretary

Mrs Yuchun Yuan

School of Nuclear Science and Engineering

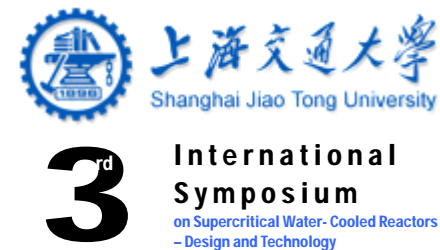
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**Shanghai Jiao Tong University, Shanghai, China**  
**March 12-15, 2007**

*All prospective authors/attendees please complete and return this form by mail (see overleaf) or fax to Symposium Secretary.*

- I plan to attend the conference.
- I plan to submit an abstract and present to the conference.
- I plan to participate technical tours : Tour A  Tour B

Title of Abstract:

Author(s) &Affiliation(s):

Name:

Title:

Company/School/Organization:

Address:

City:

Province/Sate: \_\_\_\_\_Postal/Zip Code:

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