

KEY DEADLINES

- Submission of abstracts:** Jan. 15, 2010
Notification of acceptance: Feb. 01, 2010
Start of registration: March 01, 2010
Full manuscript due for review: March 15, 2010
Notification of acceptance: May 15, 2010
Camera ready manuscript: July 15, 2010
Pre-registration: Aug. 31, 2010
Conference: Oct. 10-14, 2010

ABSTRACT SUBMISSION

Abstracts can be submitted online or sent to the conference office via email.

PROCEEDINGS

A CD containing full papers will be distributed to all participants. It is foreseen to publish some selected papers as a special issue of an international journal on nuclear engineering.

TECHNICAL TOURS

Nuclear power plants in the vicinity of Shanghai Nuclear research facilities at SJTU

ACCOMMODATION

Conference will be held in the Eton Hotel
Address: 535 Pudong Avenue, Pudong New Area, Shanghai, China
Website: www.etonhotel.com.cn

SOCIAL PROGRAMS

Social programs will be organized during the conference, also in connection with the activities of World Expo 2010.

CONFERENCE FEE

Conference fee and payment procedure have announced at the website www.nuthos-8.org



The 8th International Topical Meeting on Nuclear Thermal-Hydraulics, Operation and Safety NUTHOS-8

Second Announcement and Call for Papers

**October 10-14, 2010
Shanghai, China**

Sponsored by
Chinese Nuclear Society

Co-organized by
Shanghai Jiao Tong University
China Guangdong Nuclear Power Corporation
Nuclear Power Institute of China
State Nuclear Power Technology Corporation

Hosted by
Shanghai Jiao Tong University

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CONFERENCE CONTACT INFORMATION

NUTHOS-8 Office
School of Nuclear Science and Engineering
Shanghai Jiao Tong University
800 Dongchuan Road
200240 Shanghai
Phone: +86 21 3420 5056
Fax: +86 21 3420 5182
Email: nuthos-8@sjtu.edu.cn
Conference website: www.nuthos-8.org

**EXPO
2010**

SHANGHAI CHINA



BACKGROUND & OBJECTIVES

Thermal-hydraulics is recognized as a key crosscutting subject in the development, operation and safety assessment of advanced nuclear systems. NUTHOS has provided the international nuclear community with an information exchange forum of engineering experience, new research results and future demands in nuclear thermal-hydraulics, operation and safety. The first NUTHOS was held in Taipei in 1984 followed by Tokyo (1986), Seoul (1988), Taipei (1994), Beijing (1997), Nara (2004) and Seoul (2008). The success of the previous seven conferences clearly indicates the high interests of the international nuclear community in NUTHOS and leads to the establishment of NUTHOS as one of the major international conferences in these fields.

The eighth of the series, NUTHOS-8, will be held on October 10-14, 2010 in Shanghai. NUTHOS-8 will continue the NUTHOS tradition to provide the international nuclear industries, research institutions and academic organizations an open platform for exchanging their up-to-the-minute research results and engineering experiences at the right moment of the global nuclear renaissance.

It is our greatest pleasure to invite you to attend the NUTHOS-8 conference, to share the latest scientific and technical results, and also to discover the new and exciting scenes of the World EXPO 2010 in Shanghai.

MAIN TOPICS

- A-1) Thermal-hydraulics and safety of water-cooled reactors
- A-2) Thermal-hydraulics and safety of liquid-metal cooled reactors
- A-3) Thermal-hydraulics and safety of gas-cooled reactors
- A-4) Thermal-hydraulics and safety of fusion systems
- A-5) Thermal-hydraulics and safety of transmutation reactor systems
- A-6) Thermal-hydraulics and safety of molten salt reactors
- A-7) Thermal-hydraulics of supercritical fluids
- A-8) Thermal-hydraulics of heavy liquid metal

A-9) Cross-cutting thermal hydraulic issues of innovative nuclear systems

- B-1) Advances in experimental thermal hydraulics
- B-2) Advances in numerical thermal hydraulics
- B-3) Multi-scale thermal-hydraulics codes coupling
- B-4) Verification and validation of numerical codes
- B-5) CFD Application to nuclear engineering

- C-1) Plant operation and maintenance experiences
- C-2) Plant monitoring and diagnostics
- C-3) Plant simulator and operation training
- C-4) Plant life extension

- C-5) Multi-physical phenomena in nuclear operation
- C-6) Advances in materials, instrumentation and control

- D-1) Advances in nuclear safety systems and analysis
- D-2) Passive safety systems
- D-3) Severe accident mitigation measures
- D-4) Severe accident management guidelines
- D-5) PSA application to design, operation and maintenance

E-1) Others

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