

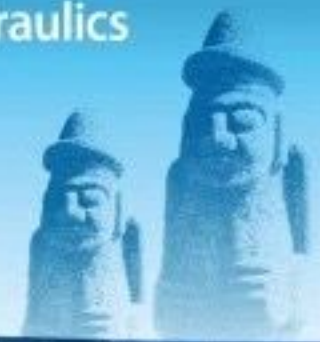


“Challenges in Thermal-Hydraulics for SMRs”

WORTH-10

The 10th Korea-China Workshop on Nuclear Reactor Thermal-Hydraulics

November 26 (Sun) - 29 (Wed), 2023
Ramada Plaza Jeju · Jeju Island, Korea



Organized by  Korea Atomic Energy Research Institute  Nuclear Power Institute of China (NPIC)  西安交通大学 XIAN JIAOTONG UNIVERSITY

Sponsored by  한국원자력학회 KOREAN NUCLEAR SOCIETY  中国核学会 CHINESE NUCLEAR SOCIETY

About the Workshop

Korea and China, among others, have rapidly developing nuclear programs, and are recognized as outstanding nuclear countries. Despite their geographic proximity, however, cooperative efforts between the two countries have not been actively pursued. In 2001, the Joint Committee on Nuclear Energy (JCNE) between the Korean Government (MEST) and the Chinese government (CAEA) was launched. A series of joint workshops in the nuclear thermal-hydraulic field were agreed with the intention of facilitating the cooperation activities between KAERI and NPIC, and XJTU who joined later on. Separately, another cooperation activity has been in progress between KINS and CIAE under the JCNE umbrella agreement. The objectives of the WORTH workshop are to bring together researchers, regulators, and designers from industries, laboratories and academia, active in the area of nuclear reactor thermal-hydraulics as well as in the field of severe accident, to present the state-of-the-art technologies, to exchange their expertise and experiences, and to further stimulate their research activities. Since 2006, the thermal-hydraulic committees of both the CNS and the KNS have expressed a deep interest in the workshop and they have agreed to support this series of joint workshops. The official language of the workshop is English.

Organizer

Honorary Chairs	Dr. Chul-Hwa SONG (KAERI)	Prof. Bing-de CHEN (NPIC)
General Chairs	Prof. Dong-Wook JERNG (JAU)	Dr. Yan-ping HUANG (NPIC)
Steering Committee Chairs	Dr. Deog-Yeon OH (KINS)	Dr. Guang-hui SU (XJTU)
Technical Program Committee Chairs	Dr. Hyun-Sik PARK (KAERI)	Dr. Hou-jun GONG (NPIC)
Local Organizing Committee Chairs	Prof. Hyoung-Kyu CHO (SNU) Prof. Yeon-Geon LEE (JNU)	Dr. Yan-lin WANG (NPIC)
Student Seminar Chairs	Prof. Hyoung-Dae KIM (KHU) Prof. Jae-Ho JEONG (GCU)	Prof. Sichao TAN (HEU) Prof. Yingwei WU (XJTU)
CNS RETH-KSFM NuTF Joint Seminar Chairs	Dr. Dong-Jin EUH (KAERI)	Prof. Wenxi TIAN (XJTU)

Registration Fees

Category	Early Bird (July 17 ~ November 3)	On-site (November 26 ~ 28)
KNS/CNS Member	KRW 600,000	KRW 700,000
Non-member	KRW 700,000	KRW 800,000
Student	KRW 250,000	KRW 350,000



Call for Papers

WORTH-10 invites paper submissions to share the latest cutting-edge research in the field of Nuclear Reactor Thermal-Hydraulics. The theme of the WORTH-10 is “Challenges in Thermal-Hydraulics for SMRs.”

Important Dates

- Abstract submission deadline **August 11, 2023**
- Notification of abstract review result **September 1, 2023**
- Deadline for submission of full paper or extended abstract **October 13, 2023**
- Deadline for pre-registration & author registration **November 3, 2023**
- Final program confirmation **November 20, 2023**

Submission Process

Step 1 Online submission of Abstract by August 11, 2023

Authors are required to submit an English abstract (text only, no template) of maximum of 450 words, along with author's contact information. When submitting your abstract, please select a topic from “Technical Topics” below that fits your abstract topic.

Technical Topics

- Track 1. Thermal Hydraulic Fundamentals
- Track 2. Computational Fluid Dynamics
- Track 3. Safety Analysis and Code Development
- Track 4. Severe Accidents and Probabilistic Safety Assessment
- Track 5. Instrumentation and Measurement Techniques
- Track 6. Advanced Water Reactor Technology (IPWR, SCWR, etc.)
- Track 7. Next Generation Reactor Technology (SFR, VHTR, MSR, etc.)
- Track 8. Advanced Thermo-fluid System Design (Space, Marine, Fusion Applications)
- Track 9. Industrial Activities for Evolutionary and Innovative SMRs

Step 2 Online submission of Full Paper or Extended Abstract by October 13, 2023

If an abstract is accepted, authors are required to submit either a 'full paper less than 8 pages' or a '2-page extended abstract'. Both **PDF** and **Word file copies** of the full paper or extended abstract must be submitted online.

Step 3 Author registration by November 3, 2023

[Go to Online Paper Submission](#)

Student Seminar

A two-day student seminar takes place in prior to WORTH-10 from November 25th to 26th at Ramada Jeju City Hotel in Jeju. The seminar provides an opportunity for information exchange and human networking between young researchers and engineers in the next generation. Registration fee is 150,000-KRW including dining and residence. Further updates will be notified on the workshop website.

- Contact: Prof. Hyungdae KIM (KHU) & Prof. Sichao TAN (HEU)
- E-mail: hdkims@khu.ac.kr & 13091441949@163.com

[Click here for more information](#)

CNS RETH-KSFM NuTF Joint Seminar

A half-day joint seminar between CNS RETH (Chinese Nuclear Society, Reactor Engineering Thermal-Hydraulics Section) and KSFM NuTF (Korean Society of Fluid Machinery, Nuclear Thermal Fluids Section) will be held on November 29th at Jeju ICC, Jeju. The seminar provides an opportunity for information exchange and human networking among researchers and engineers working on thermal-hydraulics of fluid machinery for nuclear application, including challenging topics related to SMR (Small Modular Reactor).

- Contact: Dr. Dong-Jin EUH (KAERI) & Prof. Wenxi TIAN (XJTU)
- E-mail: djeuh@kaeri.re.kr & wxtian@xjtu.edu.cn

[Click here for more information](#)

Contact [Go to WORTH-10 Information](#)

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