

NTHAS12



12th Japan-Korea Symposium on Nuclear Thermal Hydraulics and Safety

October 30-November 2, 2022, Phoenix Seagaia Resort, Miyazaki, Japan

Call for Papers

This is the second announcement and Call for Papers for the 12th Japan-Korea Symposium on Nuclear Thermal Hydraulics and Safety to be held in Miyazaki, Japan, October 30-November 2, 2022 at Phoenix Seagaia Resort, Miyazaki. Online abstract submission now opens at the symposium website.

***In the light of the Coronavirus (COVID-19) situation, NTHAS12 has been postponed from 2020 to 2022. However, if there are any changes to these plans, we will provide updates on our website.**

About NTHAS

Japan and Korea are the two leading countries designing and building up-to-date nuclear power plants in the World. In the hopes to contribute to the nuclear system performance with enhanced safety, the thermal-hydraulics divisions of Atomic Energy Society of Japan and Korean Nuclear Society initiated a biennial symposium program across the sea: Japan-Korea Symposium on Nuclear Thermal Hydraulics and Safety (NTHAS). Since the first symposium (NTHAS1) in Busan, Korea in 1998, NTHAS has provided a unique opportunity to discuss up-to-date technical information and to interact with colleagues from the neighboring countries. The second to ninth meetings were held in Fukuoka (2000), Gyeongju (2002), Sapporo (2004), Jeju (2006), Okinawa (2008), Chuncheon (2010), Beppu (2012), Buyeo (2014), Kyoto (2016) and Busan (2018) with great success in technical quality and number of participants. In 2022, the 12th Japan-Korea Symposium on Nuclear Thermal Hydraulics and Safety (NTHAS12) will be held in Miyazaki, Japan. The official language of the symposium is English.

Sponsors

Atomic Energy Society of Japan (AESJ)
Korean Nuclear Society (KNS)

Organizers

Thermal-Hydraulics Divisions of AESJ and KNS

Invitation to Submit

The NTHAS12 Technical Program Committee is calling for contributed papers on nuclear thermal hydraulics and safety in the following general subject areas:

- Thermal Hydraulics Fundamentals
- Two-Phase Flow Experiments and Analysis
- CHF and Post-CHF Heat Transfer
- Instrumentation and Measurement Techniques
- Fluid-Structure interactions
- Computational Fluid Dynamics and Heat Transfer
- Code Development and V&V
- Severe Accident Experiments and Analysis
- Hydrogen Behavior and Combustion
- Water Reactor Thermal Hydraulics and Safety
- Liquid Metal Reactor Thermal Hydraulics and Safety
- Gas Cooled Reactor Thermal Hydraulics and Safety
- Fusion Reactor Thermal Hydraulics and Safety
- Thermal Hydraulic Aspects of Plant Operation
- Heat Exchanger Design and Turbomachinery
- Probabilistic Safety Assessment (PSA)

Abstract Submission

Abstract submission is now open. Authors should submit their abstracts of 400 to 500 words by **April 15, 2022** through the symposium website. The Technical Program Committee will referee the submitted abstracts and select the papers to be presented at the symposium. Authors will be notified of selection by May 30, 2022. The authors are required to submit either a full-paper (maximum 12 pages) or an extended abstract (maximum 4 pages) according to their preference. Draft papers for full paper will be required by June 30, 2022, for review.

Key Deadlines

Abstract submission April 15, 2022
Notification of abstract acceptance May 30, 2022
Draft paper submission for review June 30, 2022
Notification of paper acceptance August 19, 2022
Final paper submission September 16, 2022

www.nthas12.org

NTHAS12



12th Japan-Korea Symposium on Nuclear Thermal Hydraulics and Safety

October 30-November 2, 2022, Phoenix Seagaia Resort, Miyazaki, Japan

Registration

Online registration will open at the symposium website.
Fees for registration are as follows:

	Early bird (by September 30, 2022)	Regular fee
AESJ/KNS members	JPY 60,000	JPY 70,000
Non-members	JPY 70,000	JPY 80,000
Students	JPY 20,000	JPY 30,000

The fees include the proceedings and coffee breaks during the symposium as well as welcome reception. The symposium banquet is separated, and put in from the web site.

Student Seminar

A three-day student seminar takes place in prior to NTHAS12 from October 28th to 30th at Phoenix Seagaia Resort in Miyazaki. The seminar provides a playground for learning, information exchange, and human networking. We welcome the researchers and engineers in the next generation. The students attending the seminar have an opportunity to learn the most advanced and up-to-date information about nuclear thermal-hydraulics, as well as the privilege to expand the human network through seminar activities. Further updates will be notified on the symposium website.

Registration

Registration fee is JPY 15,000 including fees for accommodation, seminar banquet and technical tour.

Online registration will open from June at the symposium website:

<https://www.nthas12.org/Student.html>

Symposium Information

www.nthas12.org

Technical Program Committee

Prof. Yasushi Saito, Kyoto Univ.

e-mail: tpc@nthas12.org

Local Organization Committee

Prof. Tomio Okawa, UEC

e-mail: info@nthas12.org

Student Seminar

Prof. Tatsuya Hazuku, TUMSAT

e-mail: studentseminar@nthas12.org

Organization

Honorary Chairs	Prof. Isao Kataoka, INSS Co. Ltd. Prof. Kwang-Hyun Bang, KMOU
General Chairs	Prof. Yutaka Abe, Univ. Tsukuba Prof. Jae Jun Jeong, PNU
Steering Committee Chairs	Dr. Hideo Soneda, Hitachi Co. Ltd. Dr. Han Young Yoon, KAERI
Technical Program Committee Chairs	Prof. Yasushi Saito, Kyoto Univ. Dr. Kwang Soon Ha, KAERI
Local Organization Committee Chairs	Prof. Tomio Okawa, UEC Dr. Sang Won Lee, KHNP

Symposium Venue

Phoenix Seagaia Resort

https://seagaia.co.jp/index_en.html

Miyazaki City is a resort spot on the south side of Kyushu. A beautiful coastline stretches out here. The mild climate makes it easy to spend time here all year round. Legends of ancient Japan remain, and the shrines are also a highlight. You will find plenty of tasty foods here. These include Miyazaki beef - the best beef in Japan - as well as charcoal grilled chicken and ripe mangos.