

NTHAS 13

The 13th Korea-Japan Symposium on Nuclear Thermal Hydraulics and Safety

November 10 (Sun) - 13 (Wed), 2024

Hotel Naru Seoul-M Gallery, Seoul, Korea

NTHAS 13 invites paper submissions to share the latest research findings in nuclear thermal hydraulics and safety on the following technical topics.

Selected papers will be presented at NTHAS 13 as an **oral session** or **poster**.

Important dates

Abstract submission deadline	April 30 (Tue), 2024
Abstract submission deadline (extended)	May 17 (Fri), 2024
Notification of abstract review results	May 31 (Fri), 2024
Extended abstract or draft paper deadline	July 30 (Tue), 2024
Notification of extended abstract or draft paper review results	August 20 (Tue), 2024
Final paper submission deadline	September 27 (Fri), 2024
Early registration & author registration deadline	October 13 (Sun), 2024

Submission Guidelines

Step 1 Online submission of Abstracts (450 words, text only) by May 17 (Fri), 2024

- Select your preferred **technical topic number** and select presentation type between *Oral, Poster and Either*.

[▶ Submit Your Abstract Here](#)

Step 2 Online submission of Draft Papers (8~10 pages) or Extended Abstracts (2 pages) by July 30 (Tue), 2024

- Please upload a [PDF file](#) of your draft paper or extended abstract.

[▶ Draft Paper/ Extended abstract template download](#)

Step 3 Online submission of Final Paper (PDF file) by September 27 (Fri), 2024

- Note that the secretariat and TPC will not edit or proofread your final paper.

[▶ Go to Paper Submission](#)

Technical Topics

- 1) Thermal Hydraulics Fundamentals
- 2) Two-Phase Flow Experiments and Analysis
- 3) CHF and Post-CHF Heat Transfer
- 4) Instrumentation and Measurement Techniques
- 5) Fluid-Structure interactions
- 6) Computational Fluid Dynamics and Heat Transfer
- 7) Code Development and V&V
- 8) Uncertainty Quantification and Best Practice Guidelines
- 9) Severe Accident Experiments and Analysis
- 10) Advanced Reactor Thermal Hydraulics and Safety
- 11) Water Reactor Thermal Hydraulics and Safety
- 12) Molten Salt Reactor Thermal Hydraulics and Safety
- 13) Liquid Metal Reactor Thermal Hydraulics and Safety
- 14) Gas Cooled Reactor Thermal Hydraulics and Safety
- 15) Fusion Reactor Thermal Hydraulics and Safety
- 16) Thermal Hydraulic Aspects of Plant Operation
- 17) Heat Exchanger Design and Turbomachinery
- 18) Probabilistic Safety Assessment
- 19) AI Application to Thermal Hydraulics and Safety





About NTHAS

Korea and Japan 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) and Miyazaki (2022) with great success in technical quality and number of participants.

In 2024, the 13th Japan-Korea Symposium on Nuclear Thermal Hydraulics and Safety (NTHAS13) will be held in Seoul, Korea.

Overview of NTHAS 13

Title	The 13 th Korea-Japan Symposium on Nuclear Thermal Hydraulics and Safety (NTHAS 13)
Dates	November 10 (Sun) ~ 13 (Wed), 2024
Website	www.nthas13.org
Venue	Hotel Naru Seoul-MGallery, Seoul, Korea
Official language	English
Sponsored by	Korean Nuclear Society (KNS)  한국원자력학회 Atomic Energy Society of Japan (AESJ)  日本原子力学会 Atomic Energy Society of Japan (AESJ)
Organized by	Division of Thermal & Nuclear Safety of KNS Thermal Hydraulics Division of AESJ

Organizer

Honorary Chair

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KAERI, Korea

Dr. Isao KATAOKA
Institute of Nuclear Safety System (INSS), Japan

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Univ. Electro-Communications, Japan

Student Seminar Chair

Professor Min-Seop SONG
Hanyang University, Korea

Professor Shoji MORI
Kyushu University, Japan

Registration Fee & Policy

Category	Early bird & author registration (May 1 ~ Oct. 13)	On-site registration (Oct. 14 ~ Nov. 13)
KNS/AESJ Member*	KRW 900,000	KRW 1,000,000
Non-Member	KRW 1,000,000	KRW 1,100,000
Student**	KRW 500,000	KRW 600,000

* **Member** Member registration fees apply to KNS and AESJ individual members.

** **Student** In the online registration process, to register in the "Student" category, you must upload a copy of your student ID or equivalent supporting documents (such as a confirmation letter from the professor in charge) to register.

 [Go to Registration](#)

Student Seminar

Student seminar registration is separate from NTHAS 13 online registration, so please contact the person in charge below directly for related information.

- Fee: KRW 200,000 including daily lunch, seminar banquet, and technical tour
- Contact: Prof. Min-Seop SONG, HYU / hysms@hanyang.ac.kr

NTHAS 13 Secretariat

For any inquiries related to the NTHAS 13, please feel free to contact the NTHAS 13 secretariat.



- For general inquiries at info@nthas13.org
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