

NTHAS12



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

March 29-31, 2021, Yokohama Port Opening Memorial Hall, Yokohama, Japan

Call for Papers

This is the third announcement and Call for Papers for the 12th Japan-Korea Symposium on Nuclear Thermal Hydraulics and Safety to be held in Yokohama, Japan. Due to various uncertainties of COVID-19, the NTHAS12 has been postponed to March 29-31, 2021 at Yokohama Port Memorial Hall.

***The key deadlines have been newly changed as describe below. 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 2020, the 12th Japan-Korea Symposium on Nuclear Thermal Hydraulics and Safety (NTHAS12) will be held in Yokohama, 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 **October 16, 2020** 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 October 30, 2020. Draft papers will be required by November 30, 2020, for review.

New Key Deadlines

Abstract submission	October 16, 2020
Notification of abstract acceptance	October 30, 2020
Draft paper submission for review ...	November 30, 2020
Notification of paper acceptance	December 25, 2020
Final paper submission	January 22, 2021

www.nthas12.org

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Registration

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

	Early bird (by January 29, 2020)	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

In advance of NTHAS12, a two-day student seminar providing a playground for learning, information exchange and human networking will be held in Tokyo University of Marine Science and Technology (TUMSAT) on March 26-28, 2021. The researchers and engineers in the next generation are welcomed. The students attending the seminar will have a chance to learn the most advanced and up-to-date information about the nuclear thermal-hydraulics, as well as a privilege to expand human network through seminar activities. The detailed information will appear at the symposium website.

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, Fukui Univ. Tech. Dr. Young Seok Bang, KINS
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

Yokohama Port Opening Memorial Hall

<https://www.city.yokohama.lg.jp/naka/madoguchishisetsu/riyoshisetsu/kaikokinenkaikan/oshirase.html>

Yokohama Port Opening Memorial Hall is located near JR Kanai station. Yokohama city is well known as an international tourist destination for the most abundant historical place in Japan.

