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 Yokohama, Japan, November 9-11, 2020 at Yokohama Port Memorial Hall. Online abstract submission now opens at the symposium website.

*In the light of the Coronavirus (COVID-19) situation, the key deadlines have been extended. NTHAS12 is currently scheduled to take place as initially planned. 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 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.

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 May 15, 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 May 30, 2020. Draft papers will be required by July 17, 2020, for review.

Key Deadlines
Abstract submission ........................................ May 15, 2020
Notification of abstract acceptance ............ May 30, 2020
Draft paper submission for review ............ July 17, 2020
Notification of paper acceptance ............ August 21, 2020
Final paper submission ............................ September 18, 2020

www.nthas12.org

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

Organizers
Thermal-Hydraulics Divisions of AESJ and KNS
Registration

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

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<tr>
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<th>Early bird (by September 30, 2020)</th>
<th>Regular fee</th>
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<tbody>
<tr>
<td>AESJ/KNS members</td>
<td>JPY 60,000</td>
<td>JPY 70,000</td>
</tr>
<tr>
<td>Non-members</td>
<td>JPY 70,000</td>
<td>JPY 80,000</td>
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<tr>
<td>Students</td>
<td>JPY 20,000</td>
<td>JPY 30,000</td>
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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 website.

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 November 6-7, 2020. 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 Venue

Yokohama Port Opening Memorial Hall


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.