

Request for Proposal

The American Nuclear Society (ANS) Thermal Hydraulic Division (THD) sponsors the International Topical Meeting on Nuclear Reactor Thermal Hydraulics (NURETH) with support from domestic ANS local sections and international partner institutions. This announcement formally solicits proposals to host NURETH-23. The NURETH series has been held for more than four decades, operating on a biennial cycle since 2003:

1. 1980 Saratoga Springs, New York, USA
2. 1983 Santa Barbara, California, USA
3. 1985 Newport, Rhode Island, USA
4. 1989 Karlsruhe, Germany
5. 1992 Salt Lake City, Utah, USA
6. 1993 Grenoble, France
7. 1995 Saratoga Springs, New York, USA
8. 1997 Kyoto, Japan
9. 1999 San Francisco, California, USA
10. 2003 Seoul, Korea
11. 2005 Avignon, France
12. 2007 Pittsburgh, Pennsylvania, USA
13. 2009 Kanazawa, Japan
14. 2011 Toronto, Canada
15. 2013 Pisa, Italy
16. 2015 Chicago, Illinois, USA
17. 2017 Xi'an, China
18. 2019 Portland, Oregon, USA
19. 2022 Brussels, Belgium
20. 2023 Washington, DC, USA
21. 2025 Busan, Korea
22. 2027 Denver, CO, USA

The next conference in this series, NURETH-22, will be held in Denver, Colorado, USA, on August 22–27, 2027. Since 2003, NURETH has been conducted biennially, with the exception of NURETH-19, which was postponed due to the pandemic. Proposals submitted in response to this solicitation will be considered for NURETH-23, scheduled for 2029, with the current intention to host the meeting in Europe. All proposals will be evaluated according to the attached criteria. Interested organizations should submit their proposal electronically by November 14, 2026 to the Chair of the THD Conference Screening Committee (CSC), Prof. Bao-Wen Yang (bwy01@deltaenergygroup.com).

The CSC will review and rank the proposals and forward its recommendations to the THD Executive Committee for final approval. Selection of the NURETH-23 host is expected by January 31, 2027, ensuring adequate preparation time for the organizers. Prospective hosts are encouraged to participate in THD Executive and Program Committee meetings and technical activities to gain experience beneficial for successful conference organizations. Inquiries may be directed to Prof. Bao-Wen Yang, CSC Chair, or Ir. Ferry Roelofs (ferry.roelofs@nrgpallas.com), ANS/THD Chair.

NURETH Criteria for Proposal Evaluation

1. General Chair

Is the proposed General Chair knowledgeable and highly visible in the international thermal hydraulics community, and well positioned to serve as the General Chair of NURETH? Does the proposed General Chair have experience organizing plenary sessions and leading sponsorship efforts for large conferences?

Score:

2. Technical Program Chairman

Does the proposed Technical Program Chair (TPC) have extensive experience in organizing thermal-hydraulics-focused technical tracks and sessions? Does the proposed TPC have prior experience serving as a Technical Program Chair for a topical meeting(s)? Details regarding the proposed TPC's relevant experience and scholarly accomplishments would be helpful for reviewers in assessing the proposal.

Score:

3. Capability in Organizing Topical Meetings

Are there influential and knowledgeable organizing members involved in the proposed work related to this NURETH meeting?

Score:

4. Experience in Organizing and Conducting Topical Meetings

Has the local section/organizing institution demonstrated sufficient experience and ability to successfully conduct topical meetings or conferences, both technically and financially? Have the organizing members actively participated in prior NURETH conferences so that they are familiar with the conference objectives, format, and procedures?

Score:

5. Technical Program and Paper Reviews

Is the technical program well formulated with innovative sessions, novel ideas, and a compelling theme? How will the paper review process be managed? Do the organizers have a reasonable plan for recruiting a sufficient number of qualified reviewers to ensure quality of the papers?

Score:

6. Allocation of Excess Revenue

How will any excess revenue from the conference be distributed? What percentage of the excess revenue is expected to be return to ANS Thermal Hydraulics Division, and what is the estimated amount?

ANS rules prohibit foreign organizations from remitting any profits to the ANS THD. However, foreign organizations may donate funds to worthwhile ANS initiatives, such as the ANS THD award endowment funds student scholarship funds, or other related programs.

Score:

7. Venue Cost and Facilities

What is the negotiated venue rate for conference attendees? Does the venue have all required facilities? What is the availability of the reserved/blocked hotel rooms (are there sufficient bedrooms at walking distance and are the hotels available decently prized)?

Score:

8. Location and Timing

Is the location convenient for airline service, hotel access from airport; local transportation, and attractions for non-meeting participants, i.e., spouses and families? Are the conference dates proposed adequate to avoid the 30-day window before and after ANS Meeting(s) and not in conflict with major religious holidays?

Score:

9. Technical Program Committee (TPC) and Steering Committee (SC)

Do the proposed TPC and SC appear to be appropriately structured and adequate? Are the relevant scientific communities sufficiently represented by leading scientists and researchers? Experience has shown that participation tends to increase if key positions are designated for representatives from a wide spectrum of organizations and countries.

Score:

10. Publication of Proceedings

Are there any special journal issues arranged? Is the scheduling and anticipated publication cost, if any, acceptable? Is the cost of publication in the conference proceedings included in the registration fees?

Score:

11. Technical Tours

Are attractive technical tours planned? What is the availability of the proposed tours, and what are the anticipated costs?

Score:

12. Young Investigator and Student Participation

Are there interesting and engaging programs, including competitions or other activities, that can attract young investigators and students to attend and participate in this NURETH conference? Will reduced registration fees and/or scholarships be available to support their participation in this NURETH conference?

Score:

13. Reaction to External Events

How prepared is the organizing committee to respond in a timely manner to external events, such as COVID or similar pandemics, terroristic acts, war, or other major disruptions? Hypothetically, what decisions might be made, in consultation with ANS, regarding the format of NURETH-23, postponement of the conference, even potential exclusion of certain participants from affected regions, or other necessary measures?

Score:

14. Participation of External Organizations and Agencies in Conference Organization

Is the organizing committee planning to engage industry, regulators, or parties from other regions in the organization of the Conference? If yes, please provide details of the preliminary plans.

Score:

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Overall Score:

Overall Ranking: