**2020 Young Professional Thermal Hydraulics Research Competition**

November 15-19, 2020, Chicago, IL

A special session entitled “Young Professional Thermal Hydraulics Research Competition” hosted by the Thermal Hydraulics Division (THD) and co-sponsored by the Young Member Group (YMG) of the American Nuclear Society will be held at the 2020 ANS Winter Meeting in Chicago, IL following a tradition started in 2006. This session received high interests in recent years of ANS Winter Meetings.

The professional development session is designed to enhance the technical writing and presentation skills of young professionals working in the area of Thermal Hydraulics through preparation and presentation of a summary related to the Thermal Hydraulics profession. Accepted summaries and presentations will be critiqued by a panel of judges that will provide constructive feedback. The participants will be evaluated on the *originality of research, the overall contributions, the quality of the summary, and the quality of the presentation*.

*A plaque and monetary award will be presented to the participant selected by the judging panel that scores the highest in the session.*

**Participation Criteria**

Participants must be less than 36 years old **or** have less than 5 years of Thermal Hydraulics research or application experience (YMG membership criteria). While student summaries will be considered, preference will be given to submissions from recent graduates and professionals with limited experience. This preference is based on the opportunities already provided to students to participate in ANS Student Conferences, where similar judging and feedback are available. Co-authors are permitted for the summaries. However, the first author who is the participant in this competition must also make the presentation and meet the participant criteria.

**Summary Content and Submission**

Summaries are to be submitted to the ANS Winter Meeting 2020 (Session 15i, Young Professional Thermal Hydraulics Research Competition) through the ESPR system (<http://epsr.ans.org/>). The current deadline is:

July 1st, 2020

(Please see [Call for Papers –](https://www.ans.org/meetings/file/view-978/) ANS Winter 2020)

All summaries are to adhere to the guidelines for Transactions summary preparation as set forth on the ANS web site. For more information:

(<http://www.ans.org/pubs/transactions/>).

Submitted summaries are to put forth recent research in the realm of heat transfer and fluid mechanics involved in the utilization of nuclear energy, including theoretical, computational, and experimental research on basic phenomena and application of thermal hydraulic principles to nuclear system design and analysis.

**Contact**

For more information about this session, contact:

Matt Zimmer ([mdzimmer@ncsu.edu)](mailto:mdzimmer@ncsu.edu))

Ling Zou (ling.zou@inl.gov)