



American Nuclear Society

Thermal Hydraulics Division

2018 Young Professional Thermal Hydraulics Research Competition

November 11-15, 2018, Orlando, FL

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 2018 ANS Winter Meeting in Orlando, FL 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 will be awarded 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 2018 (Session 9b of the embedded topical meeting, Advances in Thermal Hydraulics, ATH 2018) through the ESPR system (<http://epsr.ans.org/>). The current deadline is:

June 30th, 2018

(Please see [Call for Papers – ATH 2018](#))

All summaries are to adhere to the guidelines for Transactions summary preparation as set forth on the ANS web site. **Please do NOT use the ATH full paper template.** 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:

Ling Zou (ling.zou@inl.gov)

Dillon Shaver (dshaver@anl.gov)