

2025 ANS Winter Meeting ANS THD PC Report

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A total of 51 submissions have been accepted for sessions sponsored and organized by the Thermal Hydraulics Division (THD) at the ANS 2025 Winter Meeting. This represents a small increase (an additional 1 paper) compared to the ANS Winter Meeting 2023. ANS Winter Meeting 2024 was concurrent with the ATH meeting, and we had 76 accepted submissions, but we should not directly compare trends for the ATH and standalone winter meeting sessions.

At the upcoming meeting, we will host 11 standard sessions and 4 panel sessions. Standard presentations are allotted 15 minutes, followed by a 5-minute Q&A period.

Figures 1 and 2 illustrate the historical submission trends: Figure 1 provides the raw 10-year submission data for all divisions at the ANS Annual Meeting, while Figure 2 shows the normalized submission statistics specific to the Thermal Hydraulics Division.

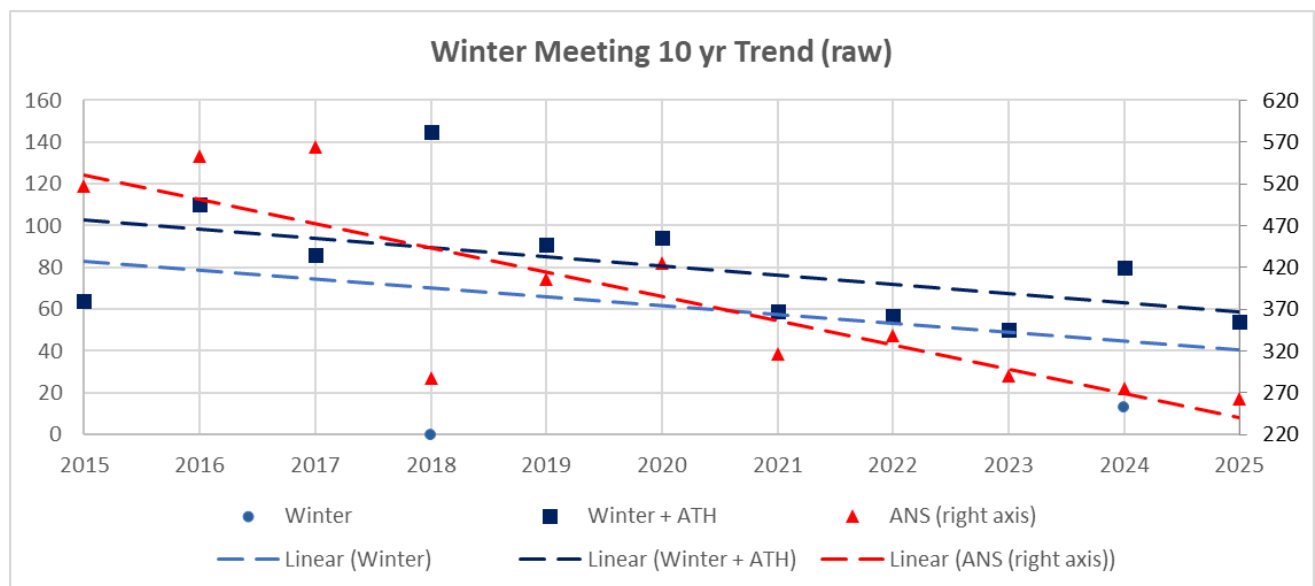


Fig. 1: Raw submission statistics for THD and ANS overall

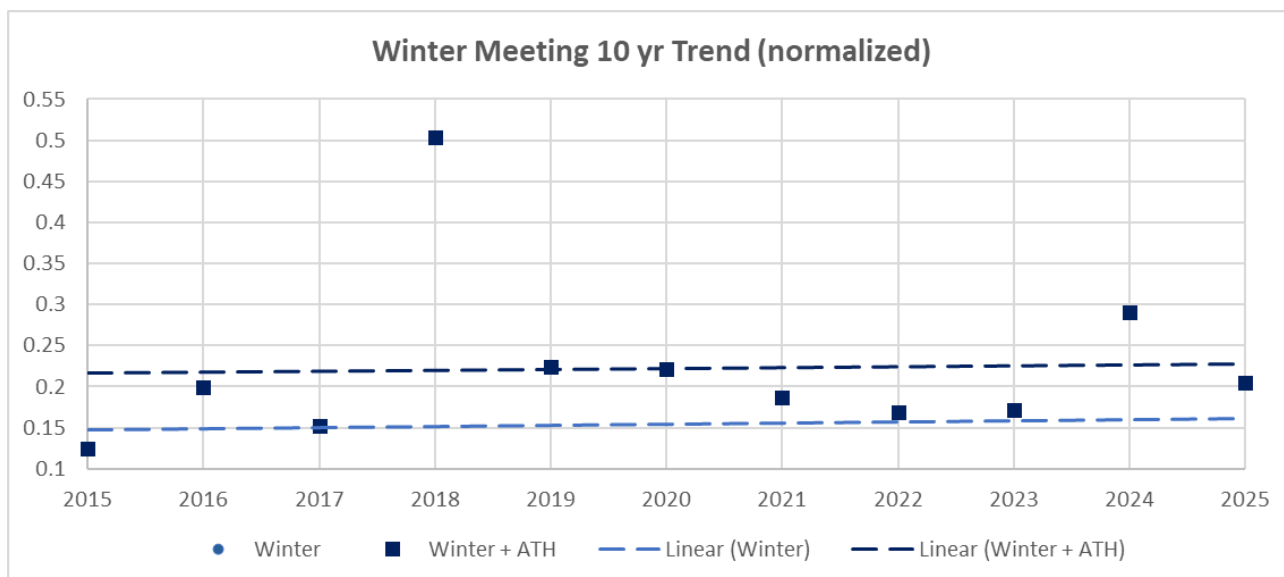


Fig. 2: Submission statistics for THD normalized to the total number of ANS summary submissions

In terms of raw numbers, the upward trend continues (with 51 accepted submissions compared to 50 in 2023). This is encouraging given that the total number of submissions for the ANS meeting keeps dropping. When looking at normalized statistics (Fig. 2), there is a slight upward trend, suggesting that the proportion of submissions from THD has remained relatively stable.

Reconciled review recommendations for the submissions are as follows:

	54	Accept
	3	Reject
Total	51	

Three submissions were declined following two rounds of peer review, which is consistent with expectations. Historically, the rejection rate (calculated as $R / (A + R)$) has been approximately 15%, although in recent years it has trended lower. For this cycle, the rejection rate stands at 5.5%. We continue to encourage authors to respect the peer review process and the time and effort contributed by reviewers. It is essential that all submissions adhere strictly to the ANS summary template and include all required sections.

Overall, reviewer participation was sufficient, and all submissions received timely and appropriate evaluations. We are sincerely grateful to our dedicated reviewers for their efforts.

In total, 164 review recommendations were submitted by 36 reviewers, yielding an average of 3.00 reviews per reviewer. The average number of reviews per paper was 4.5, exceeding the target of two reviews per paper. Approximately 17.2% of the reviewer pool (209 members) participated in the process, which is below the historical average of around 20%. We deeply appreciate the continued support and commitment of our reviewers.

Reviewer participation over the last decade is as follows:

Year	Location	Number of Reviews	Number of reviewers
2025	D.C.	164	36
2025	Chicago	215	44
2024	Orlando (inc. ATH)	178	57
2024	Las Vegas	121	29
2023	D.C.	133	42
2023	Indianapolis	112	34
2022	Phoenix	185	44
2022	Anaheim (inc. ATH)	217	54
2021	D.C.(Hybrid)	164	38
2021	Providence, R.I. (Online)	136	37
2020	Chicago (Online)	278	43
2020	Phoenix (Online)	85	21
2019	D.C.	258	40
2019	Minneapolis	127	24
2018	Orlando	No general sessions (ATH only)	
2018	Philadelphia	188	32
2017	D.C.	222	28
2017	San Francisco	264	39
2016	Las Vegas	337	45
2016	New Orleans	87	20
2015	San Antonio	135	28
2015	Anaheim	212	33

The review process was made possible by valuable contributions from:

Name	Reviews	Name	Reviews	Name	Reviews
Bolotnov, Igor	16	Lomperski, Stephen	4	Shirvan, Koroush	1
Ryan, Drew	12	Petrov, Victor	4	Iskhakov, Arsen	1
Bajorek, Steve	12	Guanyi, Wang	4	Marcum, Wade	1
Carasic, Lane	10	Kirkland, Karen	3	Zimmer, Matthew	1
Liu, Qingqing	9	Delgado, Marylin	3	Grubbs, Taylor	1
Shi, Shanbin	7	Justin, Watson	3	Hisahara, Erik	1
Liao, Jun	7	Quan, Zhengting	3		
Yoon, Dhongik	7	Kim, Seung Jun	2		
Yang, Bao-Wen	7	Kong, Ran	2		
Dix, Adam	6	Ji, Wei	2		
Iskhakova, Anna	5	Kim, Jong	2		
Rao, Vivek	5	Riznic, Jovica	2		
Revankar, Shripad	5	Wang, Jun	2		
Roeloffs, Ferry	5	Hu, Rui	2		
Howard, Trevor Kent	4	Chen, Minghui	2		

The final technical session schedule, including panels (P), is shown below.

Date and Time	Session	Session Organizers	Session Chair	Co-Chair
Monday 1:00 - 2:45	GOTHIC Benchmarks and Modeling	Izabela Gutowska Drew Ryan	Arsen Iskakov	Marilyn Delgado
Monday 3:15 - 5:00	Experimental Multiphase Flow	Caleb Brooks Guanyi Wang	Thien Nguyen	Drew Ryan
Tuesday 10:15 - 12:00	Young Professionals Competition	Xingang Zhao Yang Liu (TAMU)	Xingang Zhao	Yang Liu (TAMU)
Tuesday 1:00 - 2:45	Computational TH: I	Subash Sharma Carolina Dutra	Gulcin Turkmen	
Tuesday 3:15 - 5:00	TH Challenges in Microreactors	Elia Merzari Arsen Iskhakov Piyush Sabharwall Yassin Hassan	Marilyn Delgado	
Tuesday 3:15 - 5:00	TH: General	Shanbin Shi Ling Zou	Shanbin Shi	Thien Nguyen
Wednesday 8:00 - 9:45	Advanced Reactor TH	Ferry Roelofs Elia Merzari	Gulcin Turkmen	
Wednesday 1:00 - 2:45	AI/ML in TH	Subash Sharma Xu Wu		
Wednesday 1:00 - 2:45	Computational Multiphase Flow	Jun Fang Anna Iskhakova	Nick Mecham	
Wednesday 3:15 - 5:00	Experimental TH	Yue Jin Sunming Qin Saya Lee	Saya Lee	Marilyn Delgado
Wednesday 3:15 - 5:00	Computational TH: II	Subash Sharma Carolina Dutra		

Papers, summaries, and lightning talk abstracts are solicited for the [2026 ANS Annual Conference](#) on May 31 - June 3, 2026, in Denver, CO. We expect to have an exciting program with summaries and panel sessions on the following subject areas:

- General Thermal Hydraulics
- Advanced Reactor Thermal Hydraulics
- Experimental Thermal Hydraulics
- Experimental Multiphase Flow
- Computational Thermal Hydraulics
- Computational Multiphase Flow
- AI and Machine Learning for Thermal Hydraulics
- Thermal Hydraulics Challenges in Maritime Applications
- Fluid Structure Interactions in Flow Stratification
- Flow Induced Vibrations
- Multiphase Modeling in Molten Salt Reactors
- Strengthening the Role of Thermal Hydraulics for Future Nuclear Engineers: Retaining Talent (Panel)
- Upcoming Advanced Reactor Demonstrations (Panel)

- Thermal Hydraulics for LWR High Burnup Fuel and Extended Operations (Panel)
- Thermal Hydraulics of Energy Storage Systems (Panel)

The program committee thanks everyone who volunteered to organize or chair a session for this meeting. As a reminder, session organizers are responsible for stimulating summary submissions, assisting with reviews, and coordinating session chairs.

Additional Notes:

- All paper presentations are **20 minutes each** (15-minute talk + 5-minute Q&A and transition to the next speaker). Session chairs are responsible for keeping speakers on time.
- If you are chairing a session, coordinate with your co-chair prior to the start on which speakers each will introduce and collect a brief bio for each speaker for their introduction.
- In the event of a no-show, do NOT skip to the next presenter. Try to keep attendees engaged with discussion or offer a 20 minute break in order to keep with the program schedule.