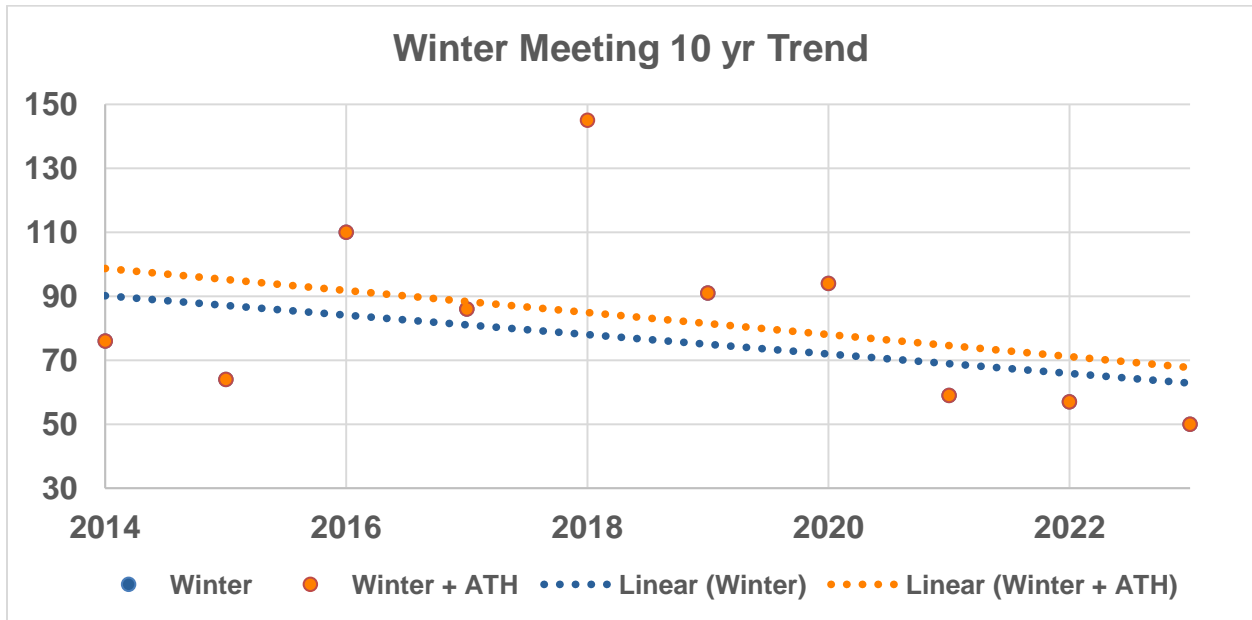


2023 ANS Winter Meeting

D. Shaver and I. Gutowska

A total of 50 submissions are included in the sessions sponsored and organized by the Thermal Hydraulics Division at the ANS 2023 Winter Meeting. The number is below expectations for a winter meeting, and we note the beginning of a downward trend. However, we also recognize significant overlap with NURETH meetings in both 2022 and 2023. In this annual meeting we will host a total of 15 sessions, 3 panel and 10 standard presentation sessions and 2 cosponsored sessions. Note that the standard presentations are 15 minutes + 5 minutes Q&A. The graph below shows the 10-year trends for the ANS Annual meetings.



Most of the accepted summaries were submitted from universities: 31 summaries included at least one coauthor from a university, 22 summaries included at least one coauthor from a national laboratory, and 8 summaries included at least one coauthor from industry. Note that a summary can include coauthors from multiple sources.

Reconciled review recommendations for the submissions are as follows:

	50	Accept
	0	Reject
Total	50	

Of note, no submissions were rejected after two rounds of reviews. This is the first time in recent memory. The trend for rejection rates (R/R+R) is historically at roughly 20% but has been decreasing recently, down from 6% at the previous annual meeting. Either we have become more accepting as a division, or submissions are of higher quality. Also of note, for the first time in recent memory, we received zero submissions that only included an abstract. We encourage the authors to respect the process and the time that the reviewers dedicate to evaluating the summaries and to strictly follow the ANS template and submit summaries with all the required sections.

Overall, the review participation was sufficient. All the papers received adequate review on a timely basis. *Many thanks to our dedicated reviewers!* The distribution is as follows:

There were 133 review recommendations that were coordinated from 42 reviewers for an average of 3.2 reviews per reviewer. The average number of reviews per paper was 2.7, which is about average. We had about 22% of the reviewers participating in the process, which is consistent with our typical average of around 20% participation. The reviewers' support is much appreciated!

Reviewer participation over the last decade is as follows:

Year	Location	Number of Reviews	Number of reviewers
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
2014	Reno	80	17
2014	D.C.	284	29

The review process was made possible by valuable contributions from:

Howard, Trevor Kent	16	Wharry, Janelle	4	Weinmeister, Justin	2
Ryan, Drew	11	Hua, Thanh	3	Wu, Xu	2
Quan, Zhengting	8	Rao, Vivek	3	Merzari, Elia	2
Qin, Sunming	6	Shirvan, Koroush	3	Frederix, Edo	2
Yoon, Su-Jong	6	Carasik, Lane	3	Petrov, Victor	2
Guanyi, Wang	6	Chen, Minghui	3	Shaver, Dillon	2
Aumiller, David	4	Zou, Ling	3	Gutowska, Izabela	1
Bajorek, Stephen	4	Roelofs, Ferry	2	Iskhakov, Arsen	1
Sharma, Subash	4	Shi, Shanbin	2	Arcilesi, David	1
Liao, Jun	4	Brooks, Caleb	2	Bindra, Hitesh	1
Liu, Yang	4	Cheung, Fan-Bill	2	Tatli, Emre	1
Dix, Adam	4	Watson, Justin	2	Lomperski, Stephen	1

Delgado, Marilyn	1	Marcum, Wade	1	Yilgor, Ilyas	1
Mao, Jiaxin	1	Yang, Bao-Wen	1	Zhang, Sheng	1

The technical sessions have been slightly modified from the original call based on actual submissions. The final technical session schedule, including panels is as follows:

Session	Chairs	# of papers	Time Slot (EDT)
Highlights from NURETH-20	Bajorek, Yang	panel	Monday 1:00pm
Thermal Hydraulic Activities and Opportunities in Industry	Hassan, Shaver	panel	Monday 1:00pm
In Memoriam: Dr. Hans Fauske	Yang, Liao	panel	Monday 3:15pm
Computational Fluid Dynamics 1	Shaver, Roelofs		Monday 3:15pm
Computational Fluid Dynamics 2	Saini, Rao		Tuesday 10:00am
Young Professionals Thermal-Hydraulic Research Competition 1	Zhao		Tuesday 1:00pm
Young Professionals Thermal-Hydraulic Research Competition 2	Zhao		Tuesday 3:15pm
General Thermal Hydraulics 1	Lee, Sun		Wednesday 8:00am
Experimental Thermal Hydraulics	Carasik, Delgado		Wednesday 8:00am
General Thermal Hydraulics 2	Sharma, Delgado		Wednesday 10:00am
Computational Thermal Hydraulics 1	Guillen, Rao		Wednesday 10:00am
Advances in Materials Science and TH for Lead-Cooled Fast Reactors 1	Liao, Kennedy (MSTD)		Wednesday 1:00pm
Computational Thermal Hydraulics 2	Yoon, Jain		Wednesday 1:00pm

Advances in Materials Science and TH for Lead-Cooled Fast Reactors 2	Mignot, Liao		Wednesday 3:15pm
Advanced Reactors	Nguyen, Sharma		Wednesday 3:15pm

Finally, our next meeting will be held in Las Vegas, NV. The call for papers is open and our program includes the sessions in the table below. The meeting will be held June 9th-12th and summaries are due February 2nd.

Session	Organizer(s)
General TH	Sharma/Bindra
Computational TH	Bolotnov/Wang
Experimental TH	Yang/Ryan
Experimental Two-Phase Flow	Jin/Sun
Computational Two-Phase Flow	Saini/Fang
Advanced Reactor TH	Shi/Sharma
Hi-2-Low Multiscale Modeling	Tatli/Shaver/Merzari
Thermal Striping	McWhirter/Qin
Fluid Structure Interaction and Multiphysics Coupling	Howard/Saini
Machine Learning and AI for TH	Bindra/Duarte/Guillen/Hassan
Verification, Validation, and Uncertainty Quantification of ML Models (P)	Bolotnov/Hassan
Enabling TH Technologies for Digital Twins (P)	Merzari/Ibarra
CFD and System Code Validation for HTGR Applications Leveraging HTTF Data (P)	Gutowska/Epiney
Thermal Hydraulics: Lightning Talks	Liao/McWhirter/Tatli

*To be cosponsored

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.