2024 ANS Annual Meeting
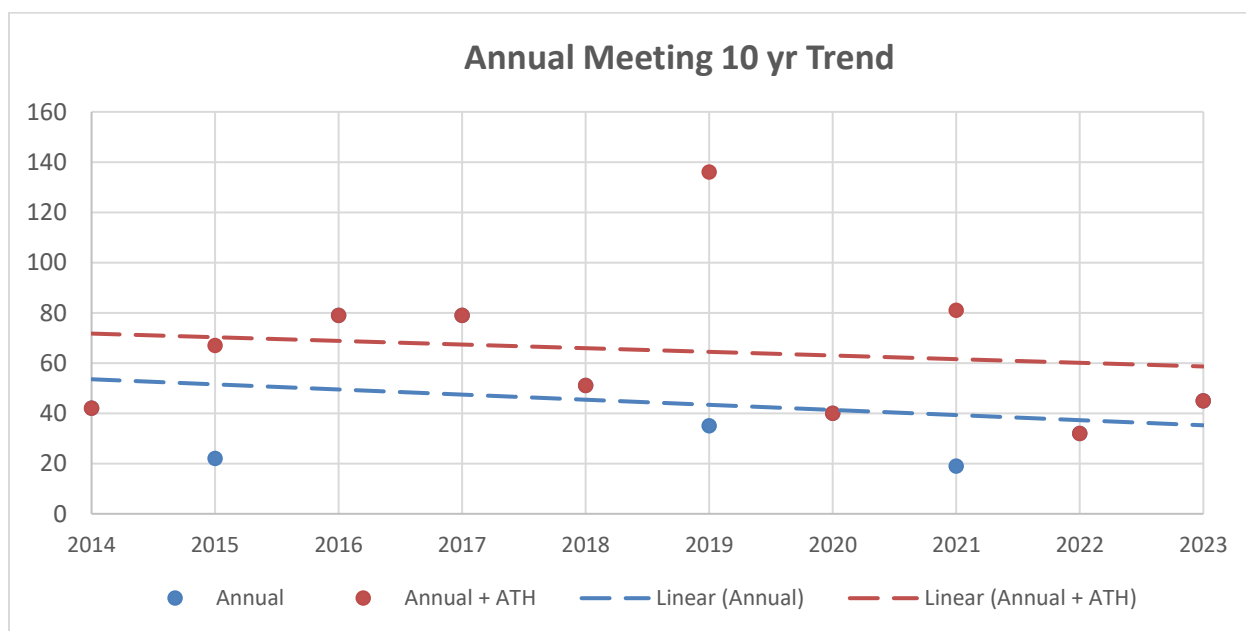
D. Shaver and I. Gutowska

A total of 45 submissions are included in the sessions sponsored and organized by the Thermal Hydraulics Division at the ANS 2024 Annual Meeting. The meets recent expectations for an annual meeting without an embedded ATH. We note that it is the highest number of summaries since 2018, not counting ATH years. In this annual meeting we will host a total of 12 sessions: 3 panel and 9 standard presentation sessions. Note that the standard presentations are 15 minutes + 5 minutes Q&A and some afternoon sessions include 6 presentations. The graph below shows the 10-year trends for the ANS Annual meetings.

Reconciled review recommendations for the submissions are as follows:

	45	Accept
	5	Reject
Total	50	

Five submissions were rejected after two rounds of reviews, which is expected. The trend for rejection rates (R/(A+R)) is historically at roughly 20% but has been lower in recent years, it is currently at 10%. 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. We note that moving forward, any submission that includes only an abstract will be accepted as a "lightning talk".

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 121 review recommendations that were coordinated from 29 reviewers for an average of 4.1 reviews per reviewer. The average number of reviews per paper was 2.4, which is about average. We

had about 15% of the reviewers participating in the process, which is somewhat lower than 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
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
2014	Reno	80	17

The review process was made possible by valuable contributions from:

Ryan, Drew	14	Carasik, Lane	4	Gutowska, Izabela	1
Quan, Zhengting	13	Yang, Bao-Wen	4	Iskhakov, Arsen	1
Yoon, Su-Jong	13	Zou, Ling	4	Arcilesi, David	1
Bess, John	10	Chen, Minghui	3	Bindra, Hitesh	1
Liao, Jun	8	Guanyi, Wang	3	Bolotnov, Igor	1
Dix, Adam	7	Sharma, Subash	2	Cervi, Eric	1
Sun, Xiaodong	6	Shi, Shanbin	2	Tatli, Emre	1
Brooks, Caleb	5	Liu, Yang	2	Cheung, Fan-Bill	1
Rao, Vivek	4	Weinmeister, Justin	2	Ooi, Zhiee Jhia	1
Roelofs, Ferry	4	Marcum, Wade	2		

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)
CFD and System Code Validation for HTGR Applications Leveraging HTTF Data	Gutowska, Kile	panel	Monday 1:00pm
General TH 1	Sharma, Duarte	5	Monday 1:00pm
Computational TH	Bolotnov, Qin	6	Monday 3:15pm
Enabling TH Technologies for Digital Twins	Merzari	panel	Tuesday 10:00am
Verification, Validation, and Uncertainty Quantification of Machine Learning Models	Bolotnov, Hassan	panel	Tuesday 1:00pm
Computational Fluid Dynamics	Shaver, Carasik	6	Tuesday 3:15pm
Computational Two-Phase Flow	Saini, Hu	5	Wednesday 8:00am
Experimental Thermal Hydraulics	Ryan, Nguyen	4	Wednesday 10:00am
Experimental Two-Phase Flow	Qin, Liu (VT)	4	Wednesday 1:00pm
Advanced Reactor Thermal Hydraulics 1	Shi, Roelofs	5	Wednesday 1:00pm
General TH 2	Liao, Jain	5	Wednesday 3:15pm
Advanced Reactor Thermal Hydraulics 2	Sharma, Tatli	5	Wednesday 3:15pm

Finally, our next meeting will be held in Orlando, FL with an embedded ATH. The EPSR will close at midnight June 9th for submissions. As of June 8th, we have 57 submissions and an additional 22 in draft, not including keynote papers.

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.