2021 ANS Hybrid Winter Meeting

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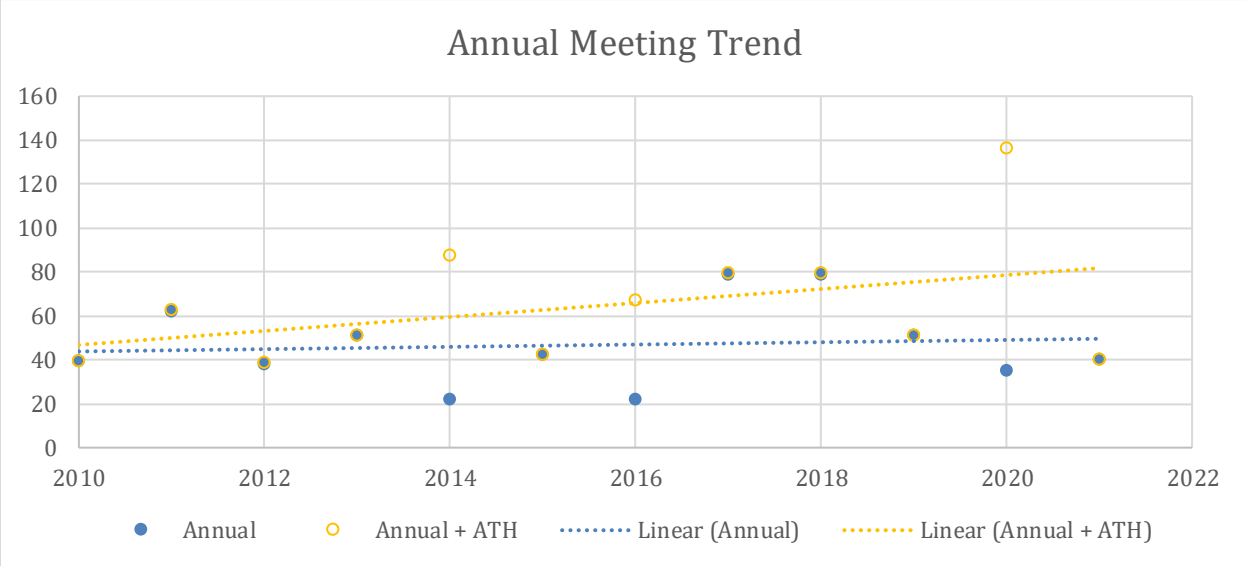
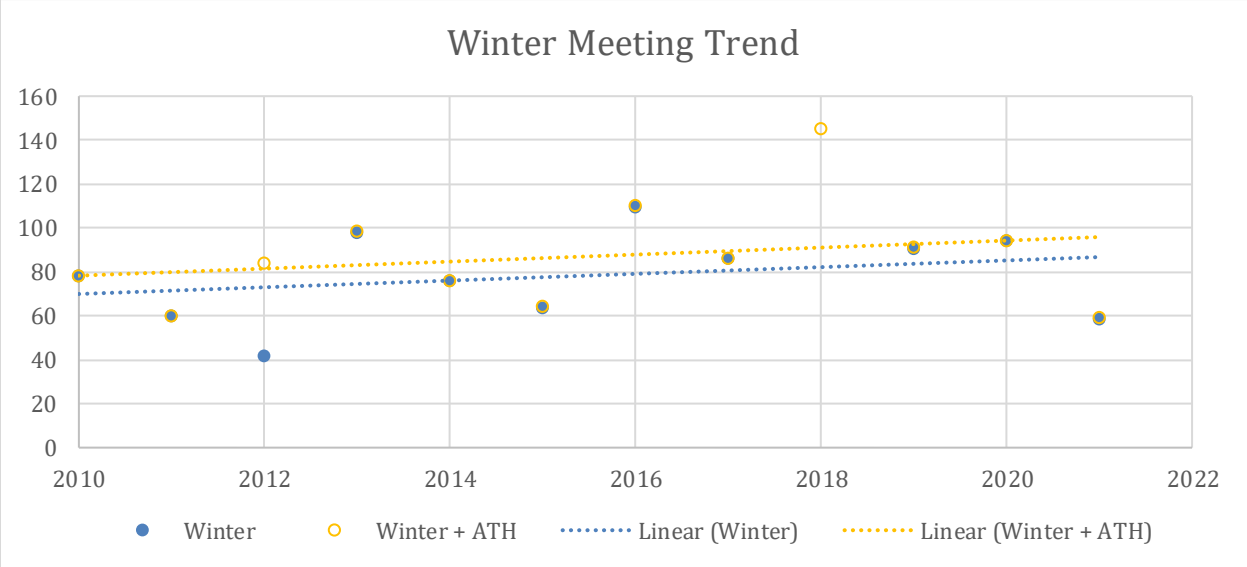
A total of 59 summaries were submitted to the proposed sessions sponsored by the Thermal Hydraulics Division at the ANS 2021 Winter Meeting. The number was in line with the expectations in the virtual format during the COVID-19 pandemic. Our division submitted the session slate in time, meeting the deadline. We will host a total of 14 sessions (including 2 panels). All sessions will be hosted hybrid via Zoom meeting, with some sessions hosted in parallel. Note that each presentation is 15 minutes + 5 minutes Q&A (5 minute shorter than in previous years' meetings). ANS representatives will be moderating the sessions. Meeting registration is required to access the session link, which will be available 30 minutes before the start of each session.

Below are two graphs showing submission trends for the ANS meetings.





Reconciled review recommendations for the summaries are as follows:

0	Accept
50	Accept with Revision (A/R)
7	Reject Unless Revised (R/R)
2	Reject
Total 59	

One summary was withdrawn despite successfully passing the review process. We note that rejection rates (R/R+R) are steady in recent years at roughly 20% and this year this number is at 16%. We also encourage the authors to respect the process and time the reviewers dedicate to evaluate the summaries and thus to strictly follow the ANS template and submit summaries with all the required sections. After another round of rigorous review process for the revised R/R summaries, a total of 57 summaries are included in the 13 THD summary sessions at this conference.

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 164 review recommendations that needed to be coordinated from 39 reviewers. The average number of reviews per paper was ~2.7, which is about average. We had about 25% of the reviewers participating in the process. The reviewers' support is much appreciated, but we need to stimulate more participation to even out the effort between the program committee members.

Recent reviewer participations were as follows:

Year	Location	Number of Reviews	Number of reviewers
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
2013	Atlanta	137	23
2013	San Diego	129	22
2012	Chicago	116	17
2012	D.C.	179	22
2011	Hollywood	148	14
2011	Las Vegas	148	20
2010	San Deigo	102	21
2010	D.C.	135	22
2009	Atlanta	191	25

2009	Reno	73	11
2008	Anaheim	89	19

The review process was made possible by valuable contributions from:

Bao-Wen Yang	24	Robert Martin	4	Stephen Lomperski	2
Jun Wang	14	Fan-Bill Cheung	3	Ferry Roelofs	2
Cheng-Kai Tai	13	Hyoung Kyu Cho	3	Dillon Shaver	2
Rodolfo Vaghetto	9	Guanyi Wang	3	Koroush Shirvan	2
Ling Zou	9	Guojun Hu	3	Pillippe Bardet	1
Minghui Chen	6	Nadish Saini	3	Igor Bolotnov	1
Yue Jin	6	Shanbin Shi	3	Caleb Brooks	1
Kurshad Muftuoglu	6	Xiaodong Sun	3	Marilyn Delgado	1
Sheng Zhang	6	Lane Carasik	2	Yang Liu	1
David Holler	5	Donna Guillen	2	Wade Marcum	1
Jun Liao	5	Richard Howard	2	Guillame Mignot	1
Subash Sharma	5	Arsen Iskhakov	2	Jovica Riznic	1
Jinyong Feng	4	Ran Kong	2	Xu Wu	1

THD has a total of 15 sessions including 2 panels, 1 co-sponsored session with RPD and 1 co-sponsored panel with RPD.

Session	Chairs	# of papers	Time Slot (ET)
Experimental Thermal Hydraulics – I	Xiaodong Sun, Caleb Brooks	5	Wednesday 12:30pm
General Thermal Hydraulics (Live)	Jun Wang, Xiaodong Sun	3	Wednesday 2:35pm
Computational Thermal Hydraulics – I	Subash Sharma, Tri Nguyen	4	
Computational Thermal Hydraulics – II	Lane Carasik, Ralph Wiser	4	Wednesday 4:20pm
Young Professionals Thermal Hydraulics Research Competition – I	Xu Wu, Subash Sharma	5	Thursday 10:00am
Young Professionals Thermal Hydraulics Research Competition – II	Xu Wu, Jun Wang	5	Thursday 1:00pm
Experimental Thermal Hydraulics – II	Juliana Duarte, Cody Wiggins	5	
NRIC Virtual Test Bed (w/RPD)	--	5	
High Performance Computing Applications in Thermal Hydraulics	Igor Bolotnov, Elia Merzari	Panel	Thursday 3:05pm

Young Professionals Thermal Hydraulics Research Competition – III	Xu Wu, Juliana Duarte	4	Friday 8:00am
Advanced Reactor Thermal Hydraulics - I	Lane Carasik, Meryem Murphy	4	
Advances in Design Through the ARDP (w/RPD)	--	Panel	
Young Professionals Thermal Hydraulics Research Competition – IV	Xu Wu, Igor Bolotnov	4	Friday 10:00am
Thermal Hydraulics Issues in Licensing of Advanced Reactors	Elia Merzari, Stephen Bajorek	Panel	
Computational Thermal Hydraulics – III	Igor Bolotnov, Elia Merzari	5	Friday 1:00pm
Advanced Reactor Thermal Hydraulics - II	Bob Martin, Arturo Cabral	4	
Computational Thermal Hydraulics – IV	Subash Sharma, Khaled Talaat	5	Friday 3:05pm

Additional Notes:

- All paper presentations are **20 minutes each** (**15**-minute talk + 5-minute Q&A and transition to the next speaker).
- ANS recommends to use the following script before the first talk of the session:

> Welcome & thank you for joining the [session title] session. I am [name], the chair for this session. There are a few items that I want to discuss with all of you before we begin.
>
> First, all our meeting sessions will be recorded and posted on the ANS Meeting Portal. The recordings will be available only to registered meeting attendees. Please follow the ANS behavior and ethics policies. Both are listed on the resources page of the meeting portal.
>
> Second, please keep your microphone muted at all times unless you are speaking. During the Q&A session, please use the "participants" menu—the button is at the bottom of the screen next to the green share screen button—to "raise your hand," which is at the bottom of the participant window. Once the session chair calls on you, you may unmute and ask your question. You may also use the chat function to type your question.
>
> Thank you for participating and enjoy the session.