

ANS – THD Division
Executive Committee Meeting
Indianapolis, IN
June 11th, 2023

Attendees (EC Members):

Leadership

Chair: Bao-Wen Yang (+ proxy from Musa Moussaoui, Bob Martin, Annalisa Manera, Hisashi Ninokata, John C. Luxat)

Vice Chair: Annalisa Manera – proxy to Bao-Wen

Secretary: Igor Bolotnov (+ proxy from Maria Avramova)

Treasurer: Steve Bajorek

Ex Officio: Elia Merzari (absent)

Appointments

Webmaster: Trevor Kent Howard

Members with Terms:

2023

Yang Liu (VT) – proxy to Xiaodong Sun

John C. Luxat -proxy to Bao-Wen Yang

Hisashi Ninokata – proxy to Bao-Wen Yang

Piyush Sabharwall

Caleb Brooks

2024

Xiaodong Sun (+ proxy from Hyoung Kyu Cho, Yang Liu (VT))

Dillon Shaver (+ proxy from Marilyn)

W. David Pointer

Hyoung Kyu Cho – proxy to Xiaodong Sun

Musa Moussaoui – proxy to Bao-Wen Yang

2025

Yassin Hassan

Maria Avramova – proxy to Igor (if no show)

Jun Liao

Bob Martin – proxy to Bao-Wen Yang

Marilyn Delgado – proxy to Dillon

Absents: Elia Merzari

Attendees (Other):

(refer to sign-up sheet)

1. Opening

Dr. Yang opened the meeting. Roll call and quorum met.

2. Approval of meeting agenda

A DRAFT agenda was provided for approval (APPENDIX A)

MOTION: Dr. Shaver moved to approve the agenda

SECOND: Dr. Bajorek

NO DISCUSSION

All in favor.

Agenda is APPROVED.

3. Approval of minutes from 2022 ANS Winter EC Meeting

The DRAFT minutes of the 2022 ANS Winter Meeting have been provided for review and approval.

MOTION: Dr. Shaver moved to approve the minutes

SECOND: Dr. Pointer

NO DISCUSSION

All in favor.

Minutes are APPROVED.

4. Action items from 2022 ANS Winter meeting:

- a. Dr. Marylin Delgado to propose the webinar committee meeting
- b. Industrial Liaison action item (Dr. Jun Liao)
- c. International Liaison (Dr. Ferry Roelofs)
- d. DOE / Government projects (Dr. Caleb Brooks)

5. Chair Report (Yang)

a. Updates from HQ:

Open access publications, Certification program. ANS HQ Building is sold and demolished. Membership dynamics is finally positive.

b. Monthly Leadership meeting:

Dr. Merzari started this activity the year before, we have held 12 meetings over the last year (over zoom). Encourage you to attend.

c. Industrial Liaisons (Dr. Liao):

We are forming an industrial task force for this division, which has 5 members. We had 2 meetings of the task force. Multiple outcomes. First, we aim to develop industrial advisory board. Second, engage industry to support THD. What is the best position of the task force to support the division: subcommittee or some other form. Grow industrial membership.

MOTION: Dr. Bajorek: Form industrial liaison committee to advise EC on how to serve industry

SECOND: Dr. Sabharwall

DISCUSSION:

Proposed members: Dr. Bob Martin, Dr. Jun Liao, Dr. Marylin Delgado, Dr. Jon McWhiter

Dr. Yang: the choice is to keep a task force, or to form a long-term a subcommittee.

Dr. Pointer: we cannot just vote to form a committee. We must vote to amend our bylaws.

Dr. Sun: We can form special committees. Which are temporary committees.

Dr. Yang: should we amend the motion?

Dr. Sun: EC can authorize a "special committee", not a standing committee.

Dr. Shaver: do we see it as permanent? Do we think anyone will dissolve the task force soon.

AMENDED MOTION (Dr. Bajorek):

Direct the task force to draft the bylaws change to allow the standing committee for industrial engagement.

SECOND: Dr. Pointer.

DISCUSSION:

Dr. Shaver: from the PC perspective this is a needed change.

Dr. Pointer: from membership committee it is important.

VOTE: UNANIMOUS support – AMENDED MOTION PASSED.

Dr. Pointer: who has the action to draft the bylaws change?

Dr. Liao: I'm less familiar.

Dr. Pointer: I will help.

Dr. Pointer: by mid-September would be good.

Dr. Liao: I'm Ok with that. Dr. Pointer: I'll provide an example with red-lines bylaws.

d. International Liaisons (Dr. Roelofs):

We met last month, Katrien + Chul-Hwa Song. He will get more liaisons from Korea, China, reach out to Japan.

Mission: advertise to international community and make them realize that they CAN become a member of ANS.

We would collect proposals to keep the international community engaged in ANS between NURETH meetings. Maybe 2-year initial membership to bridge the gap. Bring more ANS conferences to other continents. Only once in 8 years NURETH is in Europe. Bringing more meetings there would help.

No ANS-THD equivalent in Europe. Has to be solved somehow.

Dr. Yang: Discussed the idea of giving discounted membership (not free). E.g. 70% off in 2nd and 3rd years. Our international membership dropped.

8. Membership report (Dr. Yang):

Two major drops (2017, 2019). We stayed around 900. In 2016 was 1200! Potentially, geopolitical tension influenced the drop. Last year membership came back 10%. We are now above 1000, still below the peak.

Dr. Jain: increasing international membership is ANS-wide effort or division-wide effort?

Dr. Yang: Currently division level.

Dr. Jain: we need to communicate the value of ANS.

5.e. Strategic plan. Dr. Yang: We had a discussion with Dr. Bolotnov, this includes the succession plan.

5.f. Town Hall.

Dr. Bolotnov: we can include an opportunity to propose new sessions for the PC.

Dr. Sabharwall: engaging with IYNC (International Youth Nuclear Conference), YMG is involved with them.

Dr. Roelofs: Brings together young generation. Thanks for the idea – we have IYNC in Europe – we might reach out to them.

Dr. Guillen: looks like they have a conference next week in Minneapolis.

Dr. Sun: ANS has 2 local sections in Europe: in French and in Austria.

5.g. YMG/YPC (Dr. Wu).

They do fund raising, their budget was \$30K. They expect 150 attendees.

How can we contribute? 500-5000 from professional division. We could promote our young professional competition.

We need to decide the level of sponsorship.

Dr. Yang: can we get involved instead of funding support.

MOTION (Dr. Pointer):

To allocate \$1500 to Young Professional Congress

SECOND (Dr. Sabharwall).

DISCUSSION: This is this year's Winter meeting.

Dr. Shaver: we can cross list the YP competition with YPG.

VOTE: YES - UNANIMOUS.

MOTION APPROVED.

5.h. NURETH Fellow / 40th anniversary celebratory pins.

Dr. Yang: Founders of NURETH and the founders of the division.

Prof. Lahey and Prof. Todreas will be at NURETH-20.

I think it's a good idea and not a lot of money for the division.

Dr. Sun: Costs?

Dr. Yang: \$2-\$3 per pin for celebratory, for NURETH fellow \$3-\$5. About \$2000.

Dr. Guillen: I suggest for fellows, but not for participants.

Dr. Pointer: I feel the same way.... If we will give everyone – then conference should pay for it.

Dr. Bajorek: other items were priced out. We can check if we can have NURETH pins added too.

Dr. Pointer: after early registration deadline.

MOTION (Dr. Guillen):

THD to sponsor the NURETH Fellows pin at a cost of \$3-\$5 per pin (30-40 Fellows).

SECOND: Dr. Pointer.

DISCUSSION: Dr. Bajorek: NURETH-20 will pay for participant's 40-year anniversary pins if enough registrations / budget is met.

VOTE: YES - UNANIMOUS.

MOTION APPROVED.

5.i. Webinar.

Dr. Trevor Howard: reading Delgado's webinar committee proposal (see Appendix).

Dr. Yang: to provide background: I called a meeting on June 15th, 2022. We had successful webinars, and we wanted to formalize the supporting structure to assure the continuation and expansion of webinars.

Dr. Pointer: Board is expected to vote for a certification program. It may make sense to move slowly here until we see some feedback on Thursday.

Dr. Roelofs: Should be planned with many time zones.

Dr. Howard: there is a proposed webinar schedule in the PPT (See Appendix).

Dr. Shaver: good participation we observe: 150 live participants, 300 total views?

Dr. Ibarra: any feedback from the attendees?

Dr. Pointer: we had a small sample initially though.

Dr. Yang: As pointed out by Dr. Pointer earlier, to start a new standing subcommittee, we need to change the bylaw first, any motion to do so? no motion? Let's move on.

6. Treasurer's report (Dr. Bajorek):

We have Division budget + 4 different awards budget categories.

Division is fairly stable: about \$41K recently. NURETH-20 should bring some additional funding.

Pointer: \$200K total would not be totally unreasonable for NURETH-20. There is a net revenue coming from non-members registrations.

Expenditures: \$1500 for plaques and awards.

Fellowship funds lost money in 2022 on the order of 15-20%.

2024 budget.

MOTION (Dr. Bajorek):

Adopt the budget as proposed.

SECOND: (Dr. Sun)

VOTE: YES - UNANIMOUS.

MOTION APPROVED.

7. PC update (Dr. Shaver).

7.g. NURETH-21 update (Jeong). Busan is the second largest city in Korea. Home to 10 nuclear units – biggest powerplant. Sunset cruise in the harbor. Convenient airport. Thank you for joining our committee.

7.f. NUTHOS-14 (Dr. Yang): Vancouver next year. First time it came to north America. Please support the conference.

8. Membership report (Dr. Yang): we covered during agenda **item 5** discussion (above).

9. Website report (Dr. Howard):

Google analytics shows on average there are 75 users. In the last 30 days we got 2x users. Consolidated things. Working with ANS to convert the website to be consistent with ANS.

10. Honors/Awards committee (Dr. Sun): THD best paper awards. 6 papers from NUTHOS-13 and 6 from ATH-22. Dr. Pointer led the effort. Selected KTH paper lead by Prof. Kudinov. Tomorrow is a brief award ceremony.

PC nomination: Excellence in review award: Dr. Lane Carasik; honorable mention: Dr. Vivek Rao

NURETH fellows: Dr. Bajorek, Dr. Bongiorno, Dr. Merzari: will be announced at NURETH-20 (not official announcement yet).

Please nominate your colleagues to the THD Service award! Due date March 1st.

Sehgal memorial award: Prof. Annalisa Manera was selected – award lecture at NURETH-20.

11. Scholarship committee report (Pointer). Two scholarships every year. Hochrieter: Victor Coppo Leite congrats! Esposito (first year): Fidel Naser (NCSU) student.

12. Conference Screening committee – no report.

13. Nominating committee report (Yang):

PC members nomination report.

Dr. Pointer read the nomination.

MOTION to approve PC nominations (Dr. Bolotnov)

(second is not needed since forwarded from PC)

VOTE: YES - UNANIMOUS

MOTION carried out.

MOTION to adjourn: Dr. Pointer

SECOND: Dr. Sun

All in favor: MOTION CARRIES.

APPENDIX A: Proposed agenda

American Nuclear Society – Thermal Hydraulics Division
Executive Committee Meeting
ANS Annual Meeting 2023
June 11, 2023, Sunday, 4:00–6:00PM, Austin/Boston,
Marriott Indianapolis Downtown, Indianapolis, IN

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|--|-----------------------|
| 1. Opening | Yang |
| 2. Approval of Meeting Agenda | All |
| 3. Approval of Minutes from 2022 ANS Winter Meeting | All |
| 4. Action Items from 2022 ANS Winter Meeting | All |
| 5. Chair Report | Yang |
| a. Updates from HQ | |
| b. Monthly Leadership meeting | |
| c. Industrial Liaisons | Liao |
| d. International Liaisons | Van Tichelen/ Roelofs |
| e. Strategy Plan | |
| f. Thermal Hydraulic Town Hall | |
| g. YMG/YPC | Wu |
| h. NURETH Fellow commemorative pins / NURETH's 40th anniversary celebratory pins | |
| i. Webinar / | |
| 6. Treasurer's Report | Bajorek |
| a. Budget updates | |
| 7. Program Committee Report | Shaver/ Gutowska |
| a. Update THD Sessions for 2023 ANS Annual Meeting | Shaver/ Gutowska |
| b. Update THD Sessions for 2023 ANS Winter Meeting | Shaver/ Gutowska |
| c. THD Planning for 2024 ANS Annual Meeting | Shaver/ Gutowska |
| d. NURETH-19 Update /Publication | Roelofs |
| e. NURETH-20 Update | Bajorek |
| f. NUTHOS-14 Update | Novog |
| g. NURETH-21 | Jeong/Song |
| h. ATH'2024 Embedded Topical meeting | Shaver/Yang/Pointer |
| 8. Membership Committee Report | Zimmer |
| 9. Division Website Report | Howard |
| 10. Honors and Awards Committee Report | Sun/Pointer |
| 11. Scholarship Committee Report | Pointer |
| 12. Conference Screening Committee Report | Cheung |
| 13. Nominating Committee Report | Merzari |
| 14. Webinar Report | Delgado |
| 15. Old Business | All |
| 16. New Business | All |
| 17. Adjournment | Yang |

APPENDIX B: Attendees list

ANS Thermal Hydraulics division: 2023 ANS Annual meeting

EC meet

Name / Affiliation:	E-mail:	Phone:	THD / EC member
Ferry Roelofs (NRG)	roelofs@nrg.eu	+31 613988468	THD/EC
DAVE POINTER	pointend@ornl.gov	865 241 4472	THD/EC
Caicab Brooks (UIUC)	csbrooks@illinois.edu	217 265 0519	THD/EC
Drew Ryan (Naval Nuclear Lab)	D.DrewRyan@gmail.com	847-340-1540	No
Victor Coppo Leite	vbc5085@psu.edu	646 255 3102	EC
Trevor Howard	trevor.howard@unimelb.edu.au	541-519-2556	EC Adj.
Donna Guillen/INL	Donna.Guillena@inl.gov	208-526-1744	EC
Steve Bajorek / NRC	stephen.bajorek@nrc.gov	240-731-6087	EC
Xiaodong Sun / UMich	xdsun@umich.edu	734-615-9744	EC
Yong Hoon Jeong	jeongyh@kaist.ac.kr	+82-10-6409-0116	THD
Jun Liao / WEC	LIAOJE@westinghouse.com	412-916-0340	EC
Emilian Popov / ORNL	popove@ornl.gov	865-283-1571	THD
Kebele Gutocwale / OSU	gutocwale@osu.edu	541 3688537	THD
Piyush Sabharwal	Piyush.Sabharwal@inl.gov	208-903-4502	THD/EC
Prashant Jain / ORNL	jainpk@ornl.gov	865-278-6400	THD
SUBASH L. SHARMA (UMASS Lowell)	subash_sharma@uml.edu	765 4916781	THD
Xu Wu (NCsu)	xu'w27@ncsu.edu	217-979-7432	PC

ANS Thermal Hydraulics division: 2023 ANS Annual meeting

Name / Affiliation:	E-mail:	Phone:	THD / EC member
Dillon Shaver / ANL	dshaver@anl.gov		EC
Jgor			
Bas - Wen			
Linda Ibarra / ANL	lbarra@anl.gov		THD