

Executive Committee Meeting Minutes

American Nuclear Society – Thermal Hydraulics Division
Executive Committee Meeting
Mariott Philadelphia Downtown Hotel, Philadelphia, PA, USA
4:30 – 6:00 PM, Sunday, June 17, 2018
Location: Rm # 305/306

Attendees:

Igor Bolotnov, Lane Carasik (EC Member), Fan-Bill Cheung, Jinyong Feng, Bin Han, Yong Hoon Jeong, John Kelly (Board Liaison), Daniel Labrier, Mengnan Li, John Luxat (EC Member), Wade Marcum (Treasurer), Robert Martin, Elia Merzari (EC Member), Guillame Mignot, Kurshad Muftuoglu (Chair), Hisashi Ninokata (EC Member), W. David Pointer (Vice Chair), Dillon Shaver, Chul-Hwa Song (Secretary), Xiaodong Sun, Jun Wang, Bao-Wen Yang (EC Member), Matt Zimmer

Proxies:

- A. Manera assigned to X. Sun
- X. Cheng assigned to W.D. Pointer
- P. Bardet assigned to W.D. Pointer

Sign-in sheets are included in [Appendix-A](#).

1. Opening (Muftuoglu)

Dr. K. Muftuoglu, 2017-2018 Thermal Hydraulics Division Chair, opened the Annual Meeting of the American Nuclear Society Thermal Hydraulics Division Executive Committee at 16:30 on Sunday, June 17, 2018. Quorum was established with 12 voting members, including 3 proxies, present.

2. Approval of Meeting Agenda (All)

The proposed agenda was distributed on-line before the meeting and on-site, as attached in [Appendix-B](#), and reviewed by those in attendance. One additional item was proposed to include under item 14.d by Dr. E. Merzari.

Motions from the Program Committee:

- i. Discussion on the Rule Changes*

MOTION to Approve the Agenda

MOTION Amended by Dr. E. Merzari

SECONDED by Dr. W. Marcum

APPROVED with Amendment without objection

3. Approval of Minutes from 2017 ANS Winter Meeting (All)

Draft meeting minutes for the THD Executive Committee Meeting at the 2017 ANS Winter Meeting were distributed on-line before the meeting, as attached in [Appendix-C](#),

for review. Corrections and editorial changes were offered on-site by Prof. J. Luxat and Dr. E. Merzari that have not yet been implemented.

MOTION by Dr. Muftuoglu to Approve the Agenda

MOTION Amended by Prof. W. Marcum

SECONDED by Prof. J. Luxat

APPROVED with Amendment without objection

4. Visitors from Student Conferences

Preparing for 2019 ANS Student Conference at Virginia Commonwealth University on April 4-6, 2019 has been briefly introduced by the TPC chair, Ms. Sarah Morgan (VCU), providing the Call for Papers to Dr. C.-H. Song. The flyer provided is included in Appendix-D.

It has been confirmed that the ANS-THD has traditionally been providing financial support of 500 USD to this event annually.

5. Action Items from 2017 Winter Meeting

- a. Request for Young Professionals Congress Support (Carasik/Merzari)

No additional action. Completed.

- b. Scholarship Policy and Coordination Committee (Muftuoglu)

Dr. K. Muftuoglu reported that Award Scholarship Fund Committee has already been established, and contribution from NURETH-17 (\$31,180) makes substantial funds available.

There was a discussion on establishing two new scholarship programs, one for the late Prof. Hochreiter and the other for Vinny Esposito with \$25,000 donation to start fund by Esposito. Matching funds are needed from the THD division. There was a decision of starting the follow-up discussion on these two items.

MOTION by Dr. E. Merzari to begin the process to allocate \$40,000 from the THD unrestricted funds for a \$2000 yearly graduate scholarship

MOTION Amended by Dr. L. Carasik to name scholarship the "Larry Hochreiter Scholarship"

SECONDED by Dr. K. Muftuoglu

APPROVED without objection

The scholarship for Esposito was started with an offer of a \$25,000 donation. Matching fund from the THD division is needed to establish this scholarship. Since it is uncertain whether this scholarship would be for graduate or undergraduate, it was necessary to ask the Family first what they wish. No preference, but an inclination from the family was shown toward an undergraduate scholarship.

MOTION by Dr. E. Merzari to allocate \$15,000 from the THD restricted funds to match the \$25,000 offered by Esposito family to establish \$2000 yearly Student

Scholarship.
SECONDED by Dr. K. Muftuoglu
APPROVED without objection

Completed.

c. Re-start Service Award (Aumiller)

Dr. K. Muftuoglu confirmed that no report has been made yet and introduced that Dr. W.D. Pointer is volunteered to prepare this item for later discussion.

ACTION ITEM – Dr. W.D. Pointer prepares this item for later discussion.

d. Update the THD website (Shaver)

Dr. D. Shaver reported that the THD website is being regularly updated.

6. Report from Professional Divisions Workshop (Muftuoglu)

Dr. K. Muftuoglu confirmed that Dr. W.D. Pointer and himself attended the Professional Divisions Workshop held in the morning of June 17, 2018.

7. Report from President's Meeting with Division Chairs (Muftuoglu)

Dr. J. Kelly, THD liaison to ANS H/Q and the incoming ANS President, expressed his appreciation to the THD working to align with the goals of ANS. He reiterated the need for ANS to offer value for students and professionals to drive participation. Be a voice for nuclear energy in the US and globally in terms of policy. He mentioned that the discussion of identifying limited topical meetings during a single year by ANS H/Q is one that is being worked out at present even though the policy as it stands will be on a first-come-first-serve basis.

8. Treasurer's Report (Marcum)

Prof. W. Marcum explained Treasurer's Report with the financial data to be reported in the 2018 Spring Newsletter. \$31,180 raised from NURETH-17 making it the most substantial amount raised from NURETH. (See the Treasurer's Report attached in Appendix-E)

ACTION ITEM – *Communicate the restricted fund budgeting with ANS H/Q.*

9. Program Committee Report

a. 2018 ANS Annual Meeting Program in Philadelphia, PA (Merzari)

EC Members were referred to the Program Committee Report since all were present for the Program Committee Meeting

b. 2018 ANS Winter Meeting Program in Orlando, FL (Merzari)

EC Members were referred to the Program Committee Report since all were present for the Program Committee Meeting

- c. Planning for the Future 2019 Annual Meeting in Minneapolis, MN (Merzari/Bolotnov)

EC Members were referred to the Program Committee Report since all were present for the Program Committee Meeting

- d. Journal Special Issues: NURETH-17

EC Members were referred to the Program Committee Report since all were present for the Program Committee Meeting

- e. ICAPP'18 Update (Sun/Bolotnov)

EC Members were referred to the Program Committee Report since all were present for the Program Committee Meeting

- f. ATH'18 Update (Merzari)

EC Members were referred to the Program Committee Report since all were present for the Program Committee Meeting

- g. NUTHOS-12 Update (Sun)

EC Members were referred to the Program Committee Report since all were present for the Program Committee Meeting

- h. NURETH-18 Update (Marcum)

EC Members were referred to the Program Committee Report since all were present for the Program Committee Meeting.

There was an announcement by Prof. Marcum on holding a preparatory meeting to be held on Tuesday evening at 07:00 pm in room 308.

- i. NUTHOS-13 Update (Luxat)

EC Members were referred to the Program Committee Report since all were present for the Program Committee Meeting

- j. Motions from the PC Meeting (Merzari)

EC Members were reminded by Dr. E. Merzari that 3 motions were presented by the Program Committee, a standing committee, which do not require a second.

- i. Approval of Program Committee Membership:

- Outgoing PC Members: M. Avramova (NCSU), P. Ferroni (WEC), J. Lane (Zachary), Y.H. Jeong (KAIST), Donna Guillen (INL) and W. Marcum (OSU)

- Newcomers: Six (6) outgoing PC members were proposed to renominate along with four (4) newcomers who are J.Y. Feng (MIT), C. Brooks (UIUC), Jun Liao (WEC) and Ferry Roelofs (NRG)
- ii. New THD Representative to NPC (Prof. I. Bolotnov)
 - Prof. I. Bolotnov was proposed as new THD representative to NPC
- iii. Initiation of Conference Selection Committee's Activity for selecting the NURETH-19 host country.
 - The Conference Selection Committee is recommended to start its relevant activity by distributing the call-for-proposals to potential host countries.

*MOTION by the EC Chair to approve
APPROVED without any objection (for all three motions)*

10. Membership Committee Report

S.Y. Lee

Dr. W.D. Pointer, on behalf of the Membership Committee, briefly reviewed the current membership status as reported in the 2018 Spring Newsletter of the division.

He explained that there shows a very small decrease (1251 to 1239) in the number of THD members in CY 2017, while a small decrease is also shown in the overall number of members in the ANS H/Q, resulting in rather an increase of THD portion in the number of all ANS members. Long-term trend is an increase in THD from about 900 since 2007. THD remains the fourth-largest division in ANS.

11. Division Website Report

Shaver

Dr. D. Shaver reported that two notices have been posted to the THD website: the announcement of the 2018 Young Professional Thermal Hydraulic Research Competition and the extension of the ATH paper submission deadline to June 30.

He mentioned that the website is being periodically updated even though there is still some outdated information.

Then it was discussed that the contact list is out of date and decided that it is redundant and that it should be removed altogether.

12. Honors and Awards Committee Report

Aumiller/Muftuoglu

Dr. K. Muftuoglu explained the current status of the H&A Committee activity and the need of selecting the H&A Committee Chair. And he emphasized the need of changing the rule on selecting the chair and members of the H&A Committee in THD.

Dr. E. Merzari, as PC Chair, explained in detail the relevant issues and proposed a change in the rule (R9.4), as below (see also [Appendix-F](#)):

from:

c. Officers

1. On the fourth year of service to the Honors and Awards Committee, the past Division Chair shall serve as the Honors and Awards Committee Chair

to:

c. Officers

1. One of the general members shall be appointed by the EC on the recommendation of the Nominating Committee to serve as the Honors and Awards Committee Chair for a 3 year term.
2. On the fourth year of service to the Honors and Awards Committee, the past Division Chair shall serve as the Honors and Awards Committee Vice-Chair for a 1 year term.
3. The Vice-Chair will fill in for the Chair as necessary and assist the Chair in conducting the duties of the office.

Prof. J. Luxat emphasized that it is important to select the TAA recipients on time as planned.

13. Nominating Committee Report

S.J. Kim

Dr. W.D. Pointer reminded the EC that motions from the Nominating Committee, as a standing committee, do not require a second. Dr. W.D. Pointer, on behalf of the Nominating Committee, presented the following results of the 2018 election slate:

Chair	Dr. W. David Pointer
Vice Chair	Dr. Chul-Hwa Song
Secretary	Prof. Wade Marcum
Treasurer	Dr. Elia Merzari

Executive Committee (5 at-Large): F.-B. Cheung, Y.H. Jeong, D. Shaver, X. Sun, and M. Matthew (NCSU)

Dr. K. Muftuoglu, on behalf of the Nominating Committee, thanked the following EC members whose terms will be expiring for their years of service:

Outgoing EC Members: P. Ferroni, D. Guillen, J. Kim, S.J. Kim

*MOTION to approve the election slate as presented.
APPROVED without objection*

Dr. E. Merzari suggested Prof. H. Ninokata as new H&A Committee member at large and Prof. Ninokata showed his willingness of serving on the committee as member.

*MOTION by Dr. Merzari to appoint Prof. H. Ninokata as the H&A member
SECONDED by Dr. J. Luxat
APPROVED without objection*

14. New Business

- a. Actions from Professional Divisions Workshop Muftuoglu

No items to discuss

- b. Actions from President's Meeting with Division Chairs Muftuoglu

No items to discuss

- c. Interactions with Other ANS Entities – Committees, etc. Muftuoglu

No items to discuss

- d. Discussion on the Rule Changes (Proposed by Dr. E. Merzari) Muftuoglu

Dr. E. Merzari proposed to discuss about the change of the rule on selecting the chair and members of the H&A Committee by emphasizing the important role of this committee. He also pointed out that we have several urgent matters of selecting the recipients of 5 awards. He also proposed the chair term be for three years rather than one year.

Dr. K. Muftuoglu added some explanation of handling this item and opened the discussion.

Motion to change the rule from “on the fourth year of service on the H&A Committee, the past division chair shall serve as H&A Committee Chair” to Vice Chair.

*MOTION to approve by Dr. W.D. Pointer
SECONDED by Dr. E. Merzari
APPROVED without objection*

Dr. W.D. Pointer explained rather complicated current situation inside the H&A committee and proposed to select temporarily an Ad Hoc Chair of the H&A Committee with a mission of only selecting the 2017 and 2018 TAA recipients. And Prof. X. Sun was proposed for this role of Acting Chair.

*MOTION by Dr. W.D. Pointer to Approve Prof. X. Sun as the Acting Chair on
Selecting 2017 TAA Recipient
SECONDED by Prof. J. Luxat
APPROVED without objection*

- e. Other business Muftuoglu

No item suggested to discuss

Dr. W.D. Pointer, current Vice Chair and incoming Chair of the THD, delivered the Plaque of Appreciations to the outgoing THD chair, Dr. K. Muftuoglu, by recognizing his great efforts for the advancement of THD, and all the meeting participants thanked him for his multiple years' service.


Lastly, Prof. H. Ninokata introduced the ISReCTHA-2018, which will be held on August 29-31, 2018 in Lecco, Italy by distributing the call for participations (see the [Appendix-G](#)).

The Executive Committee meeting was adjourned at 6:27 pm.

APPENDIX A

Executive Committee Meeting Sign-up Sheets

*Thermal Hydraulics Division
Executive Committee Meeting
Marriott Philadelphia Downtown Hotel
Philadelphia, PA
June 17, 2018*



Name	Initial when present
Only those listed below are voting members of your division	
Kurshad Muftouglu, Chair	KM
David Pointer, Vice Chair	
Chul-Hwa Song, Secretary	CH Song
Wade Marcum, Treasurer	WRM
Seungjin Kim, Immediate Past Chair	
John Kelly, Board Liaison	
Fatih Aydogan	
Philippe Bardet	
Lane Carasik	Lane Carasik
Xu Cheng	
Yassin Hassan	
Jeffrey Lane	
Yang Liu	
John Luxat	John Luxat
Annalisa Manera	
Elia Merzari	Elia Merzari
Nisashi Ninokata	Nisashi Ninokata
Piyush Sabharwall	
Bao-Wen Yang	Bao-Wen Yang
Others, please PRINT in	(if there is not enough space, feel free to use the other side or sheet)
Dillon Shaver	D
Robert Marcha	RM

Article B10.2 - A quorum for the transaction of business at all Division (or TG) meetings shall consist of fifteen (15) qualified voters or twenty (20) percent of the qualified voters.

- Dr.s W. D. Pointer and J. Kelly did not sign up on the Attendee Sheet above even though they attended the EC meeting.
- Prof.s A. Manera, X. Cheng and P. Bardet assigned their Proxy to Prof. X. Sun and Dr. W.D. Pointer, as shown in page-1 of this document.

APPENDIX B

Executive Committee Meeting Agenda (Approved at the Meeting)

PROPOSED AGENDA

American Nuclear Society – Thermal Hydraulics Division
Executive Committee Meeting
Marriott Philadelphia Downtown Hotel, Philadelphia, PA, USA
4:30 – 6:00 PM, Sunday, June 17, 2018
Location: Room # 305/306

- | | |
|---|----------------------|
| 1. Opening | Muftuoglu |
| 2. Approval of Meeting Agenda | Muftuoglu |
| 3. Approval of Minutes from 2017 ANS Winter Meeting | Song/Muftuoglu |
| 4. Visitors from Student Conferences | |
| 5. Action Items from 2017 Winter Meeting | |
| a. Request for Young Professionals Congress Support | Carasik/Merzari |
| b. Scholarship Policy and Coordination Committee | Muftuoglu |
| c. Re-start Service Award | Aumiller |
| d. Update the THD website | Shaver |
| 6. Report from Professional Divisions Workshop | Muftuoglu |
| 7. Report from President's Meeting with Division Chairs | Muftuoglu |
| 8. Treasurer's Report | Marcum |
| 9. Program Committee Report | |
| a. 2018 ANS Annual Meeting Program in Philadelphia, PA | Merzari |
| b. 2018 ANS Winter Meeting Program in Orlando, FL | Merzari |
| c. Planning for the Future 2019 Annual Meeting in Minneapolis, MN | Merzari |
| d. Journal Special Issues: NURETH-17 | Yang/Merzari |
| e. ICAPP'18 Update | Sun/Bolotnov/Merzari |
| f. ATH'18 Update | Merzari |
| g. NUTHOS-12 Update | Sun/Merzari |
| h. NURETH-18 Update | Luxat |
| i. NUTHOS-13 Update | Merzari |
| j. Motions from the PC Meeting | Merzari |
| 10. Membership Committee Report | S.Y. Lee |
| 11. Division Website Report | Shaver |
| 12. Honors and Awards Committee Report | Aumiller |
| 13. Nominating Committee Report | S.J. Kim |
| 14. New Business All | |
| a. Actions from Professional Divisions Workshop | Muftuoglu |

- b. Actions from President's Meeting with Division Chairs
- c. Interactions with Other ANS Entities – Committees, etc.
- d. Rule changes (*newly added*)
- e. Other business

Muftuoglu
Muftuoglu
Merzari/Muftuoglu
Muftuoglu

APPENDIX C

ANS 2017 Winter Executive Committee Meeting Minutes (Approved at the Meeting)

Executive Committee Meeting Minutes

American Nuclear Society – Thermal Hydraulics Division
Executive Committee Meeting
Mariott Wardman Park, Washington, D.C., USA
4:30 – 6:00 PM, Sunday, October 29, 2017
Location: Maryland C

Attendees:

Maria Avramova, Fatih Aydogan (EC Member), Igor Bolotnov, Lane Carasik (EC Member), Chih-Wei Chang, Fan-Bill Cheung, Paolo Ferroni, Yassin Hassan (EC Member), Lui HU, Jun Liao, Yang Liu (EC Member), Davis Liscowski, John Luxat (EC Member), John Kelly-(Board Liaison), Jong Kim, Annalisa Manera (EC member), Giovanni Maronati, Robert Martin, Elia Merzari (EC Member), Kurshad Muftuoglu (Chair), Hisashi Ninokata (EC Member), W. David Pointer (Vice Chair), Piyushi Sabharwall (EC Member), DuWayne Schubring, Chul-Hwa Song (Secretary), Xiaodong Sun, Sipeng Wang, Bao-Wen Yang (EC Member), Matt Zimmer

Proxies:

Prof. S.J. Kim assigned to Dr. C.-H. Song

Scanned copy of the sign-in sheets is included in Appendix A.

1. Opening (Muftuoglu)

Dr. K. Muftuoglu, 2017-2018 Thermal Hydraulics Division Chair opened the Winter Meeting of the American Nuclear Society Thermal Hydraulics Division Executive Committee at 16:31 on Sunday, October 29, 2017. Quorum was established with 15 voting members present.

Dr. K. Muftuoglu invited all the participants, including Non-EC members as well as first-attendees, to introduce themselves.

2. Approval of Meeting Agenda (All)

The proposed agenda was distributed and reviewed by those in attendance and no item was newly proposed.

MOTION by Dr. D. Pointer to approve the agenda

SECONDED by Dr. Carasik

APPROVED without objection

3. Remarks by Dr. John Kelly (Board Liaison)

Dr. Kelly, ANS President Elected and THD Liaison, briefly introduced the current status of ANS HQ in terms of finance and number of members pointing out the decreasing situation of HQ Revenue and members mainly due to the decrease of members from industry and the increase of retiring members.

Dr. Kelly also mentioned that DOE has been asked to review nuclear policies in a step toward revitalization of US nuclear industry. A need to rethink licensing basis (e.g., LB-LOCA) to account for extensive operating experience based on risk-informed approach has been proposed and this could be significant cost saver. It is needed to look for policies and regulations that can be put into more of a risk informed perspective and the ANS THD should be prepared to support this technical review.

4. Approval of Minutes from 2017 ANS Annual Meeting (All)

Draft meeting minutes for the THD Executive Committee Meeting at the 2017 ANS Annual Meeting were distributed by Dr. D. Pointer for review. Some minor corrections, including a correction (Prof. Merzari → Dr. Merzari), were offered by Dr.s X. Sun and C.-H. Song, are to be implemented in the final version.

MOTION by Prof. J. Luxat
SECONDED by Dr. P. Sabharwal
APPROVED without objection

5. Visitors from Student Conferences

Preparing for Student Conference at the University of Florida has been briefly introduced by the TPC chair, Mr. Zander Mausloff, providing the Call for Papers to Dr. C.-H. Song. Details of this event are on the ANS website. It has been confirmed that the ANS-THD has traditionally been providing financial support of 500 USD to this event annually. The THD members are encouraged to join this event as reviewers and judges. The flyer provided is included in Appendix B(1).

6. Action Items from 2017 Annual Meeting

a. Request for Young Professionals Congress Support (Merzaril)

Dr. Merzari reported that THD was represented at networking lunch

b. Populate ANS Collaborate (Pointer)

Dr. Pointer reported that the Collaborate site is active.

c. Scholarship Policy and Coordination Committee (Muftuoglu)

Dr. Muftuoglu reported that this item is still in progress and to be updated.

d. Establish Ad Hoc Finance Committee (Muftuoglu)

Dr. L. Carasik volunteered to join this committee as member together with the division Chair/Vice-Chair/Secretary.

e. Re-start Service Award (Aumiller)

ACTION ITEM – Dr. Muftuoglu will follow up with Dr. Aumiller.

- f. Update the THD website (Shaver)

Dr. D. Shaver completed creation of the 'excellence in review' award page and also completed update of professional division.

ACTION ITEM – Dr. Pointer to send final meeting minutes to Dr. Shaver for posting

- 7. Report from Professional Divisions Workshop (Muftuoglu)

Dr. Muftuoglu reported that ANS Professional Divisions Committee has established a Bi-Annual Leadership Activity Roadmap. (See the roadmap in Appendix B(2)).

- 8. Report from President's Meeting with Division Chairs (Muftuoglu)

Dr. Muftuoglu reviewed the presentation given by ANS President, Bob Coward.

ACTION ITEM – Begin to think about how we can help to support the re-evaluation of nuclear policy for the future (Proposed by Dr. Kelly)

- 9. Treasurer's Report (Marcum)

Prof. W. Marcum explained Treasurer's Report with a budgetary proposal by teleconference. (See the Treasurer's Report in Appendix B(3))

ACTION ITEM – Prof. Marcum to propose THD budget by email

ACTION ITEM – Dr. Pointer will set up doodle poll for teleconference in the last week of November or first week of December

- 10. Program Committee Report

- a. 2017 ANS Winter Meeting Program in San Francisco, CA (Merzari)

Dr. Merzari referred the EC to the Program Committee Report since all were present for the Program Committee Meeting

- b. 2018 ANS Annual Meeting Program in Philadelphia, PA (Merzari)

Dr. Merzari referred the EC to the Program Committee Report since all were present for the Program Committee Meeting

- c. ATH 2018 Report (Merzari)

EC Members were referred to the Program Committee Report since all were present for the Program Committee Meeting

- d. NURETH-17 Report (B.W. Yang)

EC Members were referred to the Program Committee Report since all were present for the Program Committee Meeting.

The following statistics on the NURETH-17 were introduced by Prof. B.W. Yang who was the TPC Chair of the conference:

- 1020 abstracts submitted and 732 final papers were included in the proceedings (259 papers from China, 112 from U.S.)
- 686 presentations and 789 registered attendees from over 35 countries
- 939 participants additionally with 150 staff
- The following Awards provided during the Conference Banquet: 3 NURETH Fellows, 9 Best Papers, 5 Young Professionals, 10 Student Scholarship Awards, 3 Best Poster Award, 5 Best Reviewer Award

e. NUTHOS-12 Report (Sun)

EC Members were referred to the Program Committee Report since all were present for the Program Committee Meeting

f. NURETH-18 Report (Merzari)

EC Members were referred to the Program Committee Report since all were present for the Program Committee Meeting

g. Motions from the PC Meeting (Merzari)

Members of the EC were reminded by Dr. Merzari that motions presented by the Program Committee, as a standing committee, do not require a second.

i. *Approval of Program Committee Membership*

MOTION by PC chair (Dr. Merzari) to appoint Dr. Benhamadouche as PC member

APPROVED without objection

11. Membership Committee Report S.Y. Lee

No report

12. Division Website Report Shaver

No additional updates

13. Honors and Awards Committee Report Aumiller

Update has been provided by Dr. Muftuoglu, which include the followings:

- o TAA: The committee has not finalized the selection of 2017 TAA, and will finalize and announce winner before the end of this year if decision can be reached.
- o Best Paper Award: This award has not yet been finalized, and will be finalized before end of the year

14. Nominating Committee Report S.J. Kim

The Nominating Committee will recommend Nominations to the EC.

15. New Business

- a. Actions from Professional Divisions Workshop Muftuoglu
No actions
- b. Actions from President's Meeting with Division Chairs Muftuoglu
No actions
- c. Interactions with Other ANS Entities – Committees, etc. Muftuoglu
Dr. Muftuoglu reviewed the responsibilities of Division liaison.
- d. Interactions Discussion with Past ANS President (Prof. A. Klein) on the leadership of ANS-THD for Nuclear Grand Challenge (Accelerate Utilization of Simulation and Experimentation), Scheduled on 17:15. Muftuoglu

This item has been addressed out of order to accommodate the schedule of Prof. A. Klein. Prof. Klein emphasized the leadership of ANS-THD for NGC (See the Request by Prof. Corradini in Appendix B(4))

Dr. Merzari suggested that we could leverage overlap between NURETH and M&C in Portland to address this challenge.
It will not establish timeline and metrics, but rely on natural leadership and It is need to use all available resources inside and outside the society
- e. Discussion on the Request to ANS HQ, THD and NISD by Prof. M. Corradini on Co-sponsoring an Initiative Preserving Key Nuclear Safety Data. (See the Request by Prof. Corradini in Appendix B(5)) Muftuoglu

Prof. F.B. Cheung explained this Initiative, and stressed that this may already be a relevant ANS position.

MOTION to endorse by Dr. L. Carasik
SECONDED by Dr. E. Merzari
APPROVED without objection
- f. Student Member of the EC Muftuoglu

ACTION ITEM – Prof. S.J. Kim will recommend that.

The Executive Committee meeting was adjourned at 6:05 pm

APPENDIX A

Executive Committee Meeting Sign-in Sheets

**Thermal Hydraulics Division
Executive Committee Meeting
Marriott Wardman Park Hotel
Washington DC
October 29, 2017**



Name	Initial when present
<small>Only those listed below are voting members of your division</small>	
Kurshad Muftouglu, Chair	<i>[Signature]</i>
David Pointer, Vice Chair	<i>[Signature]</i>
Chul-Hwa Song, Secretary	<i>Chul-Hwa SONG</i>
Wade Marcum, Treasurer	<i>[Signature]</i>
Seungjin Kim, Immediate Past Chair	<i>Proxy to C-H SONG</i>
John Kelly, Board Liaison	<i>J E Kelly</i>
Fatih Aydogan	<i>[Signature]</i>
Philippe Bardet	
Lane Carusik	<i>[Signature]</i>
Xu Cheng	<i>[Signature]</i>
Yassin Hassan	<i>[Signature]</i>
Jeffrey Lane	<i>[Signature]</i>
Yang Liu	<i>[Signature]</i>
John Luxat	<i>[Signature]</i>
Annalisa Manera	<i>[Signature]</i>
Elia Merzari	<i>[Signature]</i>
Nisashi Ninokata	<i>[Signature]</i>
Piyush Sabharwall	<i>[Signature]</i>
Bao-Wen Yang	<i>[Signature]</i>
Others, please PRINT in	<small>(if there is not enough space, feel free to use the other side)</small>
Name	E-mail
<i>Bill Chang</i>	<i>fxcf@psu.edu</i>
<i>Dariusz Lisowski</i>	<i>dlisowski@onl.gov</i>
<i>Igor Bolotnov</i>	<i>ibolotn@ncsu.edu</i>

Article B10.2 - A quorum for the transaction of business at all Division (or TG) meetings shall consist of fifteen (15) qualified voters or twenty (20) percent of the qualified voters.

Thermal Hydraulics Division
 Executive Committee Meeting
 Marriott Wardman Park Hotel
 Washington DC
 October 29, 2017



Others, please PRINT in

Name	E-mail
Sipeng Yang	wangspeng@stu.xjtu.edu.cn
D. Wayne Schubring	dlschubring@vti.edu
MARIA AVRAMOVA	mavramo@ncsu.edu
Matt Zimmer	mdzimmer@ncsu.edu
JUN LIAO	LIAOJ@westinghouse.com
Rui Hu	rhu@ant.gov
PAOLO FERRONI	pferroni@westinghouse.com
Robert Martin	r.martin@bwxt.com
Xiaodong Sun	xdsun@umich.edu
Giovanni Maronati	g.jo.maronati@gmail.com
Chih-Wei Chang	cchang11@ncsu.edu

Article B10.2 - A quorum for the transaction of business at all Division (or TCG) meetings shall consist of fifteen (15) qualified voters or twenty (20) percent of the qualified voters.

APPENDIX B(1)

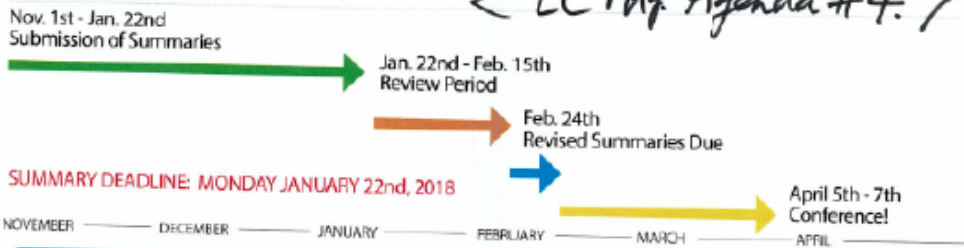
2017 Student Conference Flyer



CALL FOR PAPERS

NUCLEAR EQUALITY: Nuclear Equality in Policy, Energy Access, & the Engineering Community

TIMELINE



FORMAT

Scope of summaries include research results, internship projects, senior design posters or an interesting take on nuclear policy. Authors are REQUIRED to use the ANS Template provided on the ANS Web site. See www.ans.org/pubs/transactions or www.ansstudentconference2018.com to find the proper paper templates.

SUBMISSION

Summaries must be submitted electronically using Adobe Acrobat (PDF) files or original Microsoft Word documents.

Find our submission portal via ANS's Electronic Paper Submission (EPSR) and Review System at <http://epsr.ans.org/>

On <http://opsrns.org/> scroll to find the link to our submission portal or use QR

Detailed instructions on submissions may be found at www.ansstudentconference2018.com



TRACKS

- Accelerator Applications
- Advanced Reactors
- Aerospace Nuclear Science and Tech
- Biology and Medicine \$, BMD
- Decommissioning & Environ. Sciences
- Detection and Measurement
- Nuclear Nonproliferation
- Fuel Cycle & Waste Management \$, FCWMD
- Fusion Energy & Plasmas \$, FED
- Human Factor, Instrumentation & Controls \$, HFICD
- Isotopes and Radiation \$, IRD
- Materials Science & Technology \$, MSTD
- Mathematics and Computation
- Thermal Hydraulics & Fluids
- Nuclear Criticality Safety \$, NCSD
- Nuclear Installations Safety \$, NISD
- Operations and Power
- Radiation Protection & Shielding \$, RPSD
- Reactor Physics \$, RPD
- Robotics & Remote Systems
- Special Section: Nuclear Policy \$, UF



\$ = Cash prize available for best paper or presentation. Up to \$250 per award. Sponsored by professional ANS divisions and the conference.
 † - Additional funding given to winner to present paper at next ANS Winter Meeting
 Additional information about ANS professional divisions may be found at: <http://www.ans.org/constd/divisions/>

OFFICIALS

- Pat Moo
General Program Chair
pat@ansstudentconference2018.com
- Zander Mausloff ✓
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- Rae Bruenderman
Logistics Chair
rae@ansstudentconference2018.com

Hosted by: ANS University of Florida Student Section

SUMMARY DEADLINE: MONDAY JANUARY 22nd, 2018

APPENDIX B(2)

ANS Professional Divisions Committee's Bi-Annual Leadership Activity Roadmap

American Nuclear Society Professional Divisions Bi-Annual Leadership Activity Roadmap

This roadmap lays out responsibilities by time period for the two-year cycle over which Divisions plan and execute activities in the nominal Vice-Chair/Chair cycle and in the support of sessions at the national meetings. This does not cover all activities in which a Division is expected to be engaged but is focused upon elections, finances, and national meetings for which timely interaction with ANS National is necessary. Additional resources can be found on the websites for the [Professional Divisions Committee](#), [Meetings](#), [Bylaws and Rules](#), and [Planning Committees](#). The [Professional Divisions Collaborate](#) page also includes presentations from the PD Workshops, other forms, and discussion threads on issues confronting divisions.

Specific documents to be used for planning and guidance
[Topical Meeting Manual and associated forms](#)
[National Meeting Manual](#)
[Professional Divisions Manual](#)

Division Chair is responsible for assigning responsibilities for each task (if not otherwise specified in the Division Rules)

Elections and Planning

Financial

National Meetings* (Y1AM: Year 1 Annual Meeting, etc.)

*[Topical Meetings](#) may not follow a set schedule in accordance with the fiscal or election year. Please consult the [Topical Meeting Manual](#) to view the activities and deadlines relative to the date of the Topical Meeting.

Month/Yr	Activity or Deadline
Jan 01	Send names of nominees for Society standing committees to ANS Vice-President/President-elect (or to Val) Deadline for summaries to Y1AM. Recruit reviewers.
Feb Y1	Submit preliminary set of Panel descriptions and list of panelists to HQ for Y1AM Complete reviews of summaries for Y1AM. Vice Chair/Chair elect commences Annual Planning
Mar Y1	Compile Division Performance metrics and compare against annual/strategic goals Revised summaries due for Y1AM. Complete final reviews and disposition. Suggest topics for sessions/tracks/panels for the next WM to be put in the CFP
Apr Y1	Chair recruits and identifies fellow officers for the Professional Division Workshop (officer training) Vice Chair/Chair Elect presents Tactical (Annual) Plan and Goals to EC for consideration and approval. Updates to the 5-Year Strategic Plan are proposed. Submit final set of Panel descriptions and list of panelists to HQ for Y1AM Begin accepting summaries for Y1WM. Recruit reviewers.
May Y1	Chair distributes draft Executive Committee agenda/proposals to Officers (if EC is meeting)

	<p>in June)</p> <p>Prepare Division <u>Presentation</u> to the Board (if <u>scheduled</u>) and submit to PDC Staff Liaison</p> <p>Deadline for summaries to Y1 WM. Reviews underway</p>
Jun Y1	<p>Y1AM – PD Workshop – EC meeting</p> <p>Y1AM – National Program Committee</p> <p>Submit updated Succession Plan and Annual Plans to HQ (into your Division folder)</p> <p>Submit preliminary set of Panel descriptions and list of panelists to HQ for Y1WM</p> <p><u>Treasurer Webinar/Training for newly elected treasurers</u></p>
Jul Y1	<p>Division Chair appoints the Division Nominating Committee</p> <p>Secretary finalizes EC Minutes and submits to HQ</p> <p><u>Budget Planning begins for upcoming year</u></p> <p>Complete reviews of summaries for Y1WM.</p>
Aug Y1	<p>Submit nominations for National ANS Officers and Board Members to the Society Nominating Committee Chair (Past President)</p> <p><u>Division EC approves budget for upcoming year</u></p> <p>Revised summaries due for Y1WM. Complete final reviews and disposition.</p>
Sep Y1	<p>Division Nominating Committee proposes a slate of candidates for the Spring election</p> <p>Chair recruits and identifies attendees for the Professional Division Workshop (officer training)</p> <p><u>Treasurer submits Final Division Budget for upcoming year to HQ</u></p>
Oct Y1	<p>Chair prepares Division <u>Presentation</u> to the Board (if <u>scheduled</u>) and submit to PDC Staff Liaison</p> <p>Chair distributes draft Executive Committee agenda/proposals to Officers (if EC is meeting in November)</p> <p>Begin accepting summaries for Y2AM. Recruit reviewers.</p> <p>Suggest topics for sessions/tracks/panels for the next AM to be put in the CFP</p>
Nov Y1	<p>Y1WM – PD Workshop – EC meeting</p> <p>Y1WM - National Program Committee</p> <p>Y1WM -Chair presents <u>Presentation</u> to the Board (if <u>scheduled</u>)</p> <p><u>Division Treasurer submits a proposed budget for the following year to the ANS Accounting Manager</u></p> <p>Submit final slate of candidates to HQ for the Spring election</p>
Dec Y1	<p>Secretary finalizes EC Minutes and submits to HQ</p> <p><u>Send Final Disbursement requests to ANS Headquarters –Outreach Department to process before year-end.</u></p>
Jan Y2	<p>Send names of nominees for Society standing committees to ANS Vice-President/President-elect.</p> <p>Deadline for summaries to Y2AM.</p>
Feb Y2	<p>Submit preliminary set of Panel descriptions and list of panelists to HQ for Y2AM</p> <p>Complete reviews of summaries for Y2AM.</p> <p>Vice Chair/Chair elect commences <u>Annual Planning</u></p>
Mar Y2	<p>Compile Division Performance metrics and compare against annual/strategic goals</p> <p>Revised summaries due for Y2AM. Complete final reviews and disposition.</p> <p>Suggest topics for sessions/tracks/panels for the next WM to be put in the CFP</p>
Apr Y2	<p>Chair recruits and identifies fellow officers for the Professional Division Workshop (officer training)</p> <p>Vice Chair/Chair Elect presents <u>Tactical (Annual) Plan</u> and Goals to EC for consideration and</p>

	<p>approval. Updates to the 5-Year Strategic Plan are proposed. Submit final set of Panel descriptions and list of panelists to HQ for Y2AM Begin accepting summaries for Y2WM. Recruit reviewers.</p>
May Y2	<p>Chair distributes draft Executive Committee agenda/proposals to Officers (if EC is meeting in June) Prepare <u>Division Presentation</u> to the Board (if <u>scheduled</u>) and submit to PDC Staff Liaison Deadline for summaries to Y2WM. Reviews underway</p>
Jun Y2	<p>Y2AM – PD Workshop – EC meeting Y2AM – National Program Committee Submit updated <u>Succession Plan and Annual Plans</u> to HQ (into your Division folder) Submit preliminary set of Panel descriptions and list of panelists to HQ for Y2WM <u>Treasurer Webinar/Training</u></p>
Jul Y2	<p>Division Chair appoints the Division Nominating Committee Secretary finalizes EC Minutes and submits to HQ <u>Budget Planning begins for upcoming year</u> Complete reviews of summaries for Y2WM.</p>
Aug Y2	<p>Submit nominations for National ANS Officers and Board Members to the Society Nominating Committee Chair (Past President) <u>Division EC approves budget for upcoming year</u> Revised summaries due for Y2WM. Complete final reviews and disposition.</p>
Sep Y2	<p>Division Nominating Committee proposes a slate of candidates for the Spring election Chair recruits and identifies attendees for the Professional Division Workshop (officer training) <u>Treasurer submits Final Division Budget for upcoming year to HQ</u></p>
Oct Y2	<p>Chair prepares <u>Division Presentation</u> to the Board (if <u>scheduled</u>) and submit to PDC Staff Liaison Chair distributes draft Executive Committee agenda/proposals to Officers (if EC is meeting in November) Suggest topics for sessions/tracks/panels for the next AM to be put in the CFP</p>
Nov Y2	<p>Y2WM – PD Workshop – EC meeting Y2WM - National Program Committee Y2WM -Chair presents <u>Presentation</u> to the Board (if <u>scheduled</u>) <u>Division Treasurer submits a proposed budget for the following year to the ANS Accounting Manager</u> Submit final slate of candidates to HQ for the Spring election</p>
Dec Y2	<p>Secretary finalizes EC Minutes and submits to HQ <u>Send Final Disbursement requests to ANS Headquarters –Outreach Department to process before year-end.</u></p>

APPENDIX B(3)


2017 THD Treasurer's Report (Proposed)

The following financial report for the Thermal Hydraulics Divisions reflects the state of our divisions account as of September 30, 2017. The present actual balance of the THDs account is \$58,890.75. This is a \$5,737.31 net positive variance when compared to the division's budget. Additional revenue and fewer expenditures than anticipated have resulted in this outcome. Revenue contributions have included \$150 through Dues Allocations beyond that anticipated as well as a \$5000 donation from the NUTHOS-11 meeting (less \$20 resulting from processing charges through ANS HQ). At present the DIVISION's expenditures have been fewer as well including a single expenditure for awards dissemination at the ANS Annual meeting of \$134.75. Student conference support includes the distribution of \$500 to the student conference and a total of 10 scholarship at \$100 each for student travel support to ANS conferences (summing to \$1500 in Student Support). Two additional expenditures were accrued which were not projected within the budget, including a single postage charge of \$7.87 and printing charge of \$0.07 (totaling \$7.94 in Other Expenses). The current status of the budget is healthy with positive net increases in funding balance over the past three consecutive years.

	Actual 9/30/2017	Budget 9/30/2017	Variance
Revenues			
Dues Revenue Allocation	\$ 1,875.00	\$ 1,725.00	\$ 150.00
Contribution Revenue	\$ 4,980.00	\$ -	\$ 4,980.00
Total Revenue	\$ 6,855.00	\$ 1,725.00	\$ 5,130.00
Expenditures			
Awards, Plaques	\$ 134.75	\$ 750.00	\$ (615.25)
Student Support	\$ 1,500.00	\$ 1,500.00	\$ -
Other Expenses	\$ 7.94	\$ -	\$ 7.94
Total Expenditures	\$ 1,642.69	\$ 2,250.00	\$ (607.31)
Net Surplus / (Deficit)	\$ 5,212.31	\$ (525.00)	\$ 5,737.31
Fund Balance at 1/1/2017	\$ 53,678.44	\$ 53,678.44	\$ -
Fund Balance at 9/30/2017	\$ 58,890.75	\$ 53,153.44	\$ 5,737.31


APPENDIX B(4)

Prof. Klein's Request on the Leadership of ANS-THD for Nuclear Grand Challenge



GOING FORWARD

- Encourage members, divisions, and leadership to promote and discuss the Challenges with public policymakers, government officials, community leaders, industry, others
- Encourage divisions to hold focused topical meetings, technical, and plenary sessions to determine paths forward
- Encourage technical journal papers, books, webinars, social media, ANS Collaborate discussions, position statements, curriculum development, *Nuclear News* and *Radwaste Solutions* articles, letters to the editor




Engaging ANS to Move NGCs Forward

Grand Challenge	Suggested Lead Division(s)	Suggested Cooperating Divisions	Suggested Cooperating Committees	Applicable Policy Statements
Transform the way the nuclear technologies sector thinks about public engagement	OPD	NCSD, BMD, IRD, ETWDD, RPSD	Communications, Government Relations, PWANS	24, 26, 63, 77, 79, 83
Establish the scientific basis for modern low-dose radiation regulation	RPSD & BMD	IRD, OPD, YMG, NISD	Communications, Government Relations, Public Policy, International	28, 41, 74
Close the nuclear fuel cycle	FCWMD	DESD, AAD, MSTD, OPD, RPD	Communications	11, 22, 45, 47, 74, 76, 78, 80



Engaging ANS to Move NGCs Forward

Grand Challenge	Suggested Lead Division(s)	Suggested Cooperating Divisions	Suggested Cooperating Committees	Applicable Policy Statements
Ensure continuous availability of radioisotopes	IRD	BMD, YMG, AAD, FCWMD, NNPD	Government Relations, Public Policy	18, 28, 30, 72
Rejuvenate nuclear technology infrastructure and facilities	DESD & NCSD	NISD, RRSB, HFICD		13, 26, 53
Accelerate development and qualification of advanced materials	MSTD	FED, ANSTD, MCD		12, 25, 40



Engaging ANS to Move NGCs Forward

Grand Challenge	Suggested Lead Division(s)	Suggested Cooperating Divisions	Suggested Cooperating Committees	Applicable Policy Statements
Accelerate utilization of simulation and experimentation	MCD & THD	RPD, FED, RRSB		12, 25, 40, 48, 51
Expedite licensing and deployment of advanced reactor designs	NISD	YMG, THD, ANST, HFICD, NNPD	Government Relations, Public Policy	24, 25, 46, 77, 80
Expedite nuclear education updates and knowledge transfer	ETWDD	YMG, OPD	APPC, SPCC, NEED	21, 29, 48, 61, 66

APPENDIX B(5)

Request to ANS HQ, THD and NISD by Prof. M. Corradini et al. on Co-sponsoring an Initiative Preserving Key Nuclear Safety Data

보낸이	Michael Corradini <corradini@engr.wisc.edu>	날짜	2017.10.22 22:33:42
받는사람	chsong@kaeri.re.kr <chsong@kaeri.re.kr>		
참조			
제목	REQUEST OF TH-DIVISION and ANS		
상태	<input type="checkbox"/> 긴급		

Dear Dr. Song:

I am writing you today in your capacity as a member of the ANS Thermal Hydraulics executive committee. We seek your support for an initiative we ask your committee to discuss next week (I am not at ANS on Sunday - so see attached). It concerns the preservation of experimental safety-related information important for nuclear reactor safety, licensing, and development of new reactors --- these data represent the fundamental basis for understanding reactor safety. For a variety of reasons these data are becoming increasingly difficult to obtain.

This initiative was started by Bob Henry, Frank Rahn, Bob Budnitz, Mike Corradini and Neil Todreas. We hope you will join us to co-sponsor this endeavor. In seeking your support, we welcome your ideas and suggestions. If you will not be able to attend the ANS meeting, it would be helpful if you could send an e-mail to your other committee members and leadership indicating your support (or not) of the proposal. Please copy me as one of us will go the ANS Board on Thursday for their endorsement.

Sincerely,

Mike

Michael Corradini
Nuclear Engr. & Engr. Physics
University of Wisconsin
corradini@engr.wisc.edu
[Ph] 608-263-1648

첨부명	파일크기
1 Request to ANS.docx	18Kbyte

Request to ANS Exec Committee, and the Thermal Hydraulics and Nuclear
Installation Safety Divisions, to Sponsor an Initiative
Preserving Key Nuclear Safety Data

↵

↵

↵

Summary:

Over the years, much important experimental data relevant to nuclear power plant safety has become difficult or impossible to obtain. These data are an important part of the technical basis for our understanding of nuclear reactor safety. Its loss may eventually call into question the design and licensing of reactors because the physical basis of computer codes and engineering analysis can no longer be assured. This paper requests the ANS and its related Divisions to sanction an activity to collect and preserve key safety data. This is not a request for funding, but simply a request to endorse such an activity as critically important to a sustained nuclear future.

↵

Background

Much safety information is being lost these days, because there is no coordinated effort being taken to preserve it. Often it is simply discarded by people that have no background regarding the importance of the information. Some limited data for important experiments such as LOFT, Marviken, CST, CVTR, etc. can be found on the internet. However most of the actual source data are hard to find or lost completely. Often the organization originally sponsoring the experiment is no longer in operation. Furthermore, the research facilities may have been decommissioned and the researchers who performed the experiments may be no longer working. Hence, critical experimental details that resided in their memories are lost.

↵

Objective

The objective is to ensure critical data are preserved and easy to obtain. The ultimate goal would be an overarching organization that could preserve safety related information from old experiments, including notebooks and observations from retiring engineers and scientists. Equally important would be to archive information from current safety research projects as they are concluded. This could relieve the organization performing the experiments from a custodial role.

↵

Project Scope and Approach

The ultimate goal is to assemble all experimental information important to licensing and safety in a repository that is in the public domain. These experiments include thermal /hydraulic, hydrogen, aerosols, criticality benchmarks, MCCI, fission products just to name a few. The repository could preserve journal and conference papers from decades ago that discuss early safety experiments or which present somewhat different technical approaches or interpretations of the data. Data from critics should be included as long as they are published, rigorous and well vetted through the usual technical review process.

↵

Data preservation could be an important educational component if the project had students working in an organized manner with older experts who could provide guidance on what important data to capture and develop simple ways to do it. That suggests working with one or more universities to establish a data center. Having students and post-docs on the project

would have the further benefit of training a cadre of people who understand what information is available.

Unresolved for the time being are copyright and licensing issues. Also unresolved is exactly how the data would be preserved. This would be an initial task for the data center.

The issue of financial support is also not addressed at this point, but ANS endorsement would add weight to a discussion with potentially interested parties. Other organizations such as NRC, DOE, EPRI, vendors, international laboratories and others might choose to be cosponsors.

Further Insights

Three examples of data loss come to mind, pointing out the urgency of the initiative. The LOFT data was recorded on wide magnetic tape. The last machine that could read the tapes cost too much to maintain so the access to the source data was lost. Second example: when HDR was decommissioned, the experimental data for the tests that were performed were cataloged, boxed-up and sent to Karlsruhe for safe keeping. When it arrived at the KfK, it was promptly lost and never found. Last example: most of the Marviken experiments were performed through OECD. One Marviken containment test was an international standard problem, but when OECD (Paris) was asked for a copy of the test report they could not find it in their files. Luckily, one of the young engineers at Marviken at the time of the experiments had a copy of the report in his garage. That was the only copy that could be found in Sweden. Numerous other examples exist.

What we are requesting

We are requesting an endorsement of the interested ANS divisions and in particular the Nuclear Installations Safety Division and the Thermal Hydraulics Division. With the support of these divisions, we are also seeking the endorsement of this initiative by the ANS Board of Directors. To further advance the project we also request that the ANS Executive committee establish an Ad Hoc committee to develop a plan for future actions/responsibilities, and a set of sequential implementation steps. The ad hoc committee would also be charged with producing recommendations concerning the technology to collect and secure the data along with an organizational structure for the data repository.

APPENDIX D

2019 Student Conference Flyer

2019 ANS Student Conference
Virginia Commonwealth University
Richmond, Virginia
April 4th-6th

nuclear is
TRANSPORT

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ECONOMY

nuclear is
MEDICINE

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DEFENSE

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SPACE

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INNOVATION

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CYBER SECURITY

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POLITICS

Co-Chair
Meredith Eaheart
eaheartmb@vcu.edu

Co-Chair
Sarah Morgan
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Co-Chair
Daniell Tincher
tincherdj@vcu.edu

APPENDIX E

THD Treasurer's Report

AMERICAN NUCLEAR SOCIETY
Thermal Hydraulics Division
3/31/2018

	<u>Actual</u>	<u>Budget</u>	
	3/31/2018	12/31/2018	Variance
Revenues			
Dues Revenue Allocation:			
MEMBERSHIP DUES ALLOCATION	570	2,300	(1,730)
Total Dues Revenue Allocation	<u>570</u>	<u>2,300</u>	<u>(1,730)</u>
Meeting Revenue:			
		7,252	(7,252)
Total Meeting Revenue		<u>7,252</u>	<u>(7,252)</u>
Total Revenue	570	9,552	(8,982)
Expenditures			
Awards, Plaques:			
14-8015-000000-063140 Div, Awards/Plaques - THD		1,250	(1,250)
Total Awards, Plaques		<u>1,250</u>	<u>(1,250)</u>
Student Support:			
14-8030-000000-063140 Div-Student Support-THD		3,000	(3,000)
Total Student Support		<u>3,000</u>	<u>(3,000)</u>
Scholarship & NEED Funding:			
14-8035-000000-063140 Division - Scholarship & NEED Funding - THD		500	(500)
Total Scholarship & NEED Funding		<u>500</u>	<u>(500)</u>
Total Expenditures		4,750	(4,750)
Net Surplus/(Deficit)	570	4,802	(4,232)

FUNDS RECEIVED FROM NURETH-17 (\$31,180 ON 4/16/18) WILL BE REFLECTED ON 6/30/18 STATEMENT.

AMERICAN NUCLEAR SOCIETY
Thermal Hydraulics Division
3/31/2018

	Actual 3/31/2018	Budget 12/31/2018	Variance
Revenues			
Dues Revenue Allocation	\$570	\$2,300	(\$1,730)
Meeting Revenue		7,252	(7,252)
Total Revenue	570	9,552	(8,982)
Expenditures			
Awards, Plaques		1,250	(1,250)
Student Support		3,000	(3,000)
Scholarship & NEED Funding		500	(500)
Total Expenditures		4,750	(4,750)
Net Surplus/(Deficit)	570	4,802	(4,232)
Fund Balance at 1/1/18	59,018	59,018	-
Fund Balance at 3/31/18	59,588	63,820	(4,232)

FUNDS RECEIVED FROM NURETH-17 (\$31,180 ON 4/16/18) WILL BE REFLECTED ON 6/30/18 STATEMENT.

APPENDIX F

Proposal on the Change of the Rule (R9.4)

Proposed rule change to modify H&A leadership

This year (2017-2018) we have not awarded the TAA. This is the second time it happens in 5 years. We are effectively asking potential division officers to commit to nine (9) years from treasurer to H&A chair. Even worse between immediate past chair and H&A chair there are several light-load years. It is not surprising that often H&A members become less active in this period. It has happened already twice in recent years, and we have not awarded the TAA in those years.

The H&A chair duties are very important. They represent a core-function of THD. They are also heavy in work-load. And it takes time to ease into office and one year is short: that leads to delays and ineffective promotion of our awards and our members. One of the reasons our program has been successful compared to other divisions is the steady multi-year leadership. I suggest we adopt a similar model for the H&A chair: a three year term. I think our award program is too important to subject it to year-to-year variability.

Proposed Rule change (R9.4). From:

(by E. Merzani)

c. Officers

1. On the fourth year of service to the Honors and Awards Committee, the past Division Chair shall serve as the Honors and Awards Committee Chair

To:

c. Officers

1. One of the general members shall be appointed by the EC on the recommendation of the nominating committee to serve as the Honors and Awards Committee Chair for a 3 year term.
2. On the fourth year of service to the Honors and Awards Committee, the past Division Chair shall serve as the Honors and Awards Committee Vice-Chair for a 1 year term.
3. The Vice-Chair will fill-in for the Chair as necessary and assist the Chair in conducting the duties of the office.

APPENDIX G

ISReCTHA-2018 Seminar Flyer



ISReCTHA 2018

International Seminar on Nuclear Reactor Core

Thermal Hydraulics Analysis

August 29-31, 2018, Lecco, Italy

ISReCTHA: International Seminar on Nuclear Reactor Core Thermal Hydraulics Analysis (1) Outline

- Continuation of International Seminar on Subchannel Analysis (ISSCA 1992~1997) and International Seminar on Subchannel Analysis, CFD and CHF (ISACC 2013 ~ 2015); and is held
- On the POLIMI Lecco Campus, Lecco, Italy, Aug 29-31, 2018;
- As an international seminar to conform a forum on the nuclear reactor core and fuel assembly thermal hydraulics analysis
 - including subchannel analysis, CFD and experimental investigations
 - of PWRs, BWRs, LMRs (Na, Pb,Pb/Bi, ..), GCRs (Prismatic/pebble bed/..), Molten Salt Rx, .. , etc.;

consisting of

- ~ 20 lecturers from industry, research laboratories and academia ;
- ~ 30 technical paper presentations;
- On the topics connected to the nuclear reactor core and fuel assembly thermal hydraulics and related safety.
- Young professionals and students are welcome!
- Visit <https://www.eko.polimi.it/index.php/rectha/rectha>