

Minutes from Executive Committee Meeting

**American Nuclear Society – Thermal Hydraulics Division
Executive Committee Meeting
Town & Country Resort, San Diego, CA
4:30 – 6:00 PM, Sunday, November 11, 2012
Location: Pacific Salon 4**

Attendees: Xiaodong Sun (Chair), Kurshad Muftuoglu, DuWayne Schubring (Treasurer), Hisashi Ninokata, John Luxat, Whee Choe, Chul-Hwa Song, Emilio Baglietto, Xu Cheng, Elia Merzari, Karen Vierow, Brian Woods, Don Todd, Paolo Ferroni, Arthur Talpaert, Fatih Aydogan, Jong Kim, Igor Bolotnov, Seungjin Kim, Philippe Bardet, Totju Totev, Si Young Lee (Secretary), Rui Hu, Steven Arndt, and Kent Welter.

The sign in sheets are included as Attachment A.

1. Opening

Chair Sun called the THD Executive Committee (EC) meeting to order at 4:30 p.m.

2. Approval of Agenda

The proposed meeting agenda was introduced and reviewed. A motion was made and seconded to approve the agenda (Attachment B). The motion passed unanimously.

3. Presentation from 2013 ANS Student Conference Delegates

Delegates from MIT made a presentation to the Executive Committee concerning the 2013 ANS Student Conference. The students provided some details on the conference tracks, awards, and sponsorships of the upcoming 2013 ANS Student Conference, to be held April 4 - 6, 2013. The details are provided in the conference website: <http://meetings.ans.org/students2013>

4. Approval of Minutes from 2012 Annual Meeting

The minutes from the 2012 Annual Meeting THD EC meeting had already been approved via email in July 2012.

5. Action Items from 2012 Annual Meeting

1. Current and prospective PC membership

Program Committee Chair Muftuoglu provided a synopsis of the discussion from the Program Committee meeting concerning Program Committee membership. He prepared a list of the members who have reviewed papers and attended THD Program Committee meetings in the recent years. Chair Muftuoglu took an action item to present a list of prospective active Program Committee members for Executive Committee action. The list of the PC active members would be approved by EC members via e-mail after the meeting.

Action Item: PC Chair Muftuoglu and Chair Sun review the THD rules and procedures, and prepare a proposal for EC action that will allow the THD to increase the number of THD PC members.

2. Inclusion of Honors and Awards Membership on Website

Woods provided an update on the THD Honors and Awards Committee. Recipients for 2011 and 2012 THD TAA awards and 2012 Best Paper Award were selected and recognized at this 2012 Winter Meeting. All action items were completed.

3. Provide Criteria for NURETH Fellow Selection

NURETH-15 Conference Chair D'Auria was not present at the EC meeting because of his travel schedule, but he called an additional meeting to update the THD members on the preparation of the NURETH-15 meeting Tuesday evening (Nov. 12). At the meeting, D'Auria provided details on the status of the NURETH-15 meeting, including the criteria proposed to select NURETH fellows.

4. Solicitation for NURETH-16 Host

Solicitation for proposals to host NURETH-16 (2015) was prepared and distributed to the ANS local sections.

6. Treasurer's Report

Treasurer Schubring provided the following Treasurer's report.

2012 Division Financial Report

2012 Income

The THD member allocation for 2012 is \$2,224. THD also receives \$480 from national meetings due to the number of THD papers included in the ANS national meeting program. Per Staci Levy at national, this reflects the 2012 Annual Meeting in June only. Including 2011 carry forward of \$20,847, the total THD income for 2012 is \$23,551.

2012 Budget

The THD Executive Committee approved the following budget at the 2011 Winter Meeting:

- \$1,800 for awards and plaques
- \$2,500 for student support
 - \$500 for ANS-national directed support of student travel to Annual/Winter meetings
 - \$500 for travel support at the 2012 ANS Student Conference
 - \$1,500 of THD-directed student travel support for 2012 Annual and Winter Meetings, including the embedded topical at the 2012 Winter Meeting, ATH'12
- \$500 donation to the ANS Scholarship/NEED

2012 Expenses (as of September 1, 2012)

THD expenses so far in 2012 have included the following:

- \$500 for ANS-national directed support of student travel to Annual/Winter meetings
- \$500 for travel support at the 2012 ANS Student Conference
- \$500 of THD-directed student travel support for 2012 Annual Meeting (\$100 to each of 5 students)

- \$500 donation to the ANS Scholarship/NEED
- \$50 for plaque

The balance of the THD general account as of September 1, 2012 was \$21,501.

Since September 1, 2012, the following charges have been authorized to the general division fund:

- Plaques (\$67.50 each for two TAAs and \$64.50 for the Best Paper Award)
- Best Paper Award (\$500)

In addition, THD-directed student support (\$1,000) has been claimed for the Winter Meeting and ATH'12. The disbursements will occur after the meeting.

As of August 31, 2012, the THD Award Account (TAA account) contained \$17,742.43. Per Staci Levy at national, the 2011 and 2012 TAAs are charged to this account, leaving \$15,742.43.

2013 Division Budget Proposal

The THD budgets for the past three years have totaled \$5,300 (2010), \$5,300 (2011), and \$4,800 (2012). Therefore, the consensus of the THD was to have a budget of approximately \$5,000 per year.

However, in 2012, ANS has restored the funding for additional papers beyond the meeting minimum (20 papers per division). In the last 6 meetings, THD has had:

June 2010: 38 papers; November 2010: 75 papers
 June 2011: 57 papers; November 2011: 58 papers
 June 2012: 36 papers; November 2012: 45 papers (excluding ATH'12)

Over the past 6 meetings, THD has averaged *50 papers per meeting*, 30 in excess of the minimum. At \$30 per additional paper, this represents a new revenue stream of \$900 per meeting or *\$1,800 per year*.

[Note: The ANS National decided at the 2012 Annual Meeting NOT to provide the incentive to the divisions who sponsor more papers than the minimum at the national meetings. Therefore, the above-mentioned potential income due to the papers at the national meeting will not be available to THD starting from this 2012 Winter Meeting.]

Treasurer Schubring proposed the following budget for 2013:

\$500 for ANS-national directed travel support (same as 2012)
 \$1000 for ANS Student Conference (MIT – *increase of \$500 over 2012*)
 \$500 NEED (same as 2012)
 \$1800 awards and plaques (same as 2012)
 \$2250 for THD-directed student support (*increase of \$750 over 2012* to allow for \$150 per student)
 The proposed budget totals *\$6,050*.

As part of the Treasurer's report, there was a discussion concerning the proposed ANS Student Conference support of \$1000 in the 2013 budget proposal. A motion was made to support \$500 instead of the proposed \$1000 for the 2013 ANS Student Conference. The motion for the amended budget passed.

Following passage of the amended budget, Schubring made a motion to modify the selection procedure for THD-directed student support: "Motion to consider all applications for student support that arrive

within the first 24 hours as simultaneous. If the number of applications in this first 24 hours exceeds the amount of available support, the recipients of the support are to be selected at random." Schubring indicated that for the 2012 Winter Meeting and ATH'12, student support was claimed within 6 hours. This "24 hour rule" would allow students an equal opportunity for the support regardless of their working hours/time zone and the frequency at which they check their e-mail. The motion passed unanimously.

7. Program Committee Report

- a. Dr. Jong Kim provided a brief update on NUTHOS-9 held in September 2012 in Taiwan. He provided a brief report about the conference. There were about 210 papers presented and 5 best papers awarded in the conference. He also mentioned that NUTHOS-10 will be held in 2014.
- b. Professor D'Auria was not present at the EC meeting, but at a Tuesday meeting, he provided an update on the planning for NURETH-15 to be held in Pisa in May 2013. As part of this meeting, a new award called a NURETH Fellow is proposed. Conference Chair D'Auria proposed the criteria that would be used to select NURETH Fellows. The proposed criteria will be discussed and approved by the EC members via e-mail.
- c. Program Committee Chair Muftuoglu provided a brief synopsis on the THD sessions held at 2012 ANS Winter Meeting. For the 2012 Winter Meeting, there were 6 THD sessions. A total of 42 summary papers were received, and only one paper was rejected by the reviewer recommendations.
- d. In the 2012 Winter Embedded Topical Meeting, ATH'12, there were a total of six sessions, including the plenary session. A total of 38 papers were presented at ATH'12.
- e. The 2013 ANS Annual Meeting in Atlanta, GA, will have 8 THD-sponsored sessions. The website is open for submission for summary papers. The deadline for submission of the summaries is January 11, 2013.
- f. The 2013 ANS Winter Meeting will be held in Washington, DC. Total 9 THD sessions were proposed for the meeting. Chair Sun requested each of the session proposers to submit a 100-word session description.

8. Honors and Awards Committee Report

The recipients of the 2011 and 2012 Technical Achievement Award (TAA) are as follows:

2011: Professor John Luxat and 2012: Professor Hisashi Ninokata

The 2012 best paper award was selected from NURETH-14 papers, and the winner is M. Bucci, W. Ambrosini, N. Forgione, F. Oriolo, and S. Paci. The title of the paper is "Experimental and Computational Analysis of Steam Condensation in the Presence of Air and Helium."

9. Young Professional Thermal Hydraulics Research Competition

Dr. Merzari provided an update on the Young Research Competition that was held at the 2012 Winter Meeting, San Diego. A total of 13 papers were submitted and total 8 papers were presented and judged by a jury of 4 judges. The winner was A. Dave, R. Hu, A. Manera, E. Merzari, and W. D. Pointer. The paper title is "CFD Simulations of NSTE". Congratulation to the authors!

10. Division Website Report

Effective at the 2012 Winter Meeting in San Diego, Webmaster Schubring stepped down as THD Webmaster. EC members appreciate his service for our division community done over the past 3 years. Dr. Elia Merzari, Argonne National Laboratory, has been selected to take over as THD

Webmaster following the 2012 Winter Meeting. Dr. Merzari has been an active member of ANS and the THD for several years, serving as Secretary of the Young Members Group and organizing the Young Professionals Thermal Hydraulics Research Competition.

11. Nominating Committee Report

Committee Chair Woods presented a list of 2013-2014 division candidates. A motion was made to nominate the following members to the 2013-2014 THD officer candidates: David Aumiller (Chair), Si Young Lee (Vice Chair), DuWayne Schubring (Secretary), and Seungjin Kim (Treasurer). The motion passed.

Prof. Woods presented the terms for the following members of the THD Honors and Awards Committee (Chair Dr. Oh): Bill Cheung (1 year), Yassin Hassan (2 year), and Jong Kim (3 year). The terms of the other three members (i.e., the most recent past THD EC chairs) remain unchanged.

Outgoing PC Chair Muftuoglu will serve as the THD PC Chair till the conclusion of the 2013 ANS June Meeting. He recommended the current THD Chair Sun to succeed as the next PC Chair. Dr. Sun would, if confirmed by the THD EC, take over as the PC Chair following the 2013 Annual Meeting. One member suggested having an associate chair for the THD PC to help with the transition and succession of the committee.

12. Membership Committee Report

As of the end of 2011, the Thermal Hydraulics Division had a total of 1,112 paid members, representing 9.8% of the total ANS membership. This is down by 17 members when compared to the Division's 2010 membership number. However, during the same period, the total ANS membership has dropped by approximately 1.7%.

13. Old Business

- a. Reminder of THD special events at this meeting: THD Chair Sun reminded EC members of ATH'12 plenary session on Tuesday afternoon.
- b. Solicitation for NURETH-16 Host Organization: Conference Selection Committee Chair J. Kim announced that the solicitation for proposals to host NURETH-16 (2015) was distributed to the ANS local sections.
- c. Chair Sun reported that he would be in the process of updating the THD strategic plan for the ANS National and would distribute the document to the EC members for final review before submitting the plan to the ANS National.
- d. NUTHOS-10 is being planned in 2014 and its location may be in Hawaii in the U.S. or Okinawa in Japan.

14. New Business

- To encourage more student to participate in EC membership.
- To communicate with the ANS headquarters concerning high conference registration fees, compared to other comparable professional society meetings.

The meeting was adjourned at 6:00 pm.

Prepared by Dr. S.Y. Lee (Secretary)

Thermal Hydraulics Division Executive Committee
 American Nuclear Society 2010 Annual Meeting
 Town and Country Resort, San Diego CA
 4:30 - 6:00 p.m., Sunday, November 11, 2012
 Pacific Salon 4

Attendance Signup Sheet

| Name | Affiliation | Email | Phone |
|-------------------|----------------------------|-----------------------------|----------------------|
| Xiaodong Sun | Ohio State University | Sun.264@osu.edu | 614-247-7646 |
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| Dwayne Schubring | U. Florida | dschubring@ufl.edu | 352-392-1401 x314 |
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| Karen Vierow | Texas A&M University | vierow@tamu.edu | 979-458-0600 |
| Brian Woods | Oregon State University | Brian.Woods@oregonstate.edu | 541-757-7377-6335 |

| Name | Affiliation | Email | Phone |
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| Fatih Aydogan | Univ. of Idaho | fatih@uidaho.edu | 412-818-2067 |
| Jong Kim | KAIST/EPRI | jkim@epri.com | 650-855-2204 |
| Igor Bolotnov | North Carolina State U. | igor_bolotnov@ncsu.edu | 518-542-8939 |
| Seungjin Kim | Penn State | skim@psu.edu | (814) 867-1783 |
| Phillippe Bardet | George Washington U. | bardet@gwu.edu | 202-994-2650 |
| Totju Totou | BNW | TOTJEU@BNWNAIIC.COM | (630) 363 2094 |
| Si Young Lee | Savannah River National Lab | si.lee@srnl.doe.gov | (803) 725-8462 |
| Rick Hick | ANL | rhick@anl.gov | 630-252-1461 |
| STEVEN ARNDT | NRC | stevn.arndt@nrc.gov | 301-415-6502 |
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PROPOSED AGENDA

American Nuclear Society – Thermal Hydraulics Division
 Executive Committee Meeting
 Town & Country Resort, San Diego, CA
 4:30 – 6:00 PM, Sunday, November 11, 2012
 Location: Pacific Salon 4

1. Opening (Sun)
2. Approval of Meeting Agenda (All)
3. Action Items from 2012 Annual Meeting
 - a. Current and prospective PC membership (Muftuoglu)
 - b. Inclusion of Honors and Awards membership on website (Oh): 1. Provide ANS HQ advanced notice of two TAA package nominations (Woods) and 2. Draft a letter to ANS HQ to be provided with the TAA packages explaining the request (Woods and Cheung)
 - c. Provide criteria for NURETH fellow selection (D’Auria)
 - d. 1. Prepare solicitations for upcoming meetings (J. Kim) and 2. Work with ANS HQ to distribute the solicitations (Sun/Woods)
4. Treasurer’s Report (Schubring)
 - a. 2012 Division Financial Status: Update
 - b. Student Support Expenditures
 - c. 2012 Division Budget Proposal
5. Program Committee Report
 - a. NUTHOS-9 Report (J. Kim)
 - b. NURETH-15 Status (D’Auria)
 1. Status Update
 2. NURETH Fellows Criteria
 - c. 2012 ANS Winter Meeting Program in San Diego, CA (Muftuoglu)
 - d. 2012 ANS Embedded Topical ATH in San Diego, CA (Muftuoglu)
 - e. 2013 ANS Annual Meeting Program in Atlanta, GA (Muftuoglu)
 - f. 2013 ANS Winter Meeting Program in Washington, DC (Muftuoglu)
6. Honors and Awards Committee Report
 - a. Committee Membership (Woods)
 - b. Status of THD Honors and Awards (Hassan)
7. Young Professional Thermal Hydraulics Research Competition (Merzari/Marcum)
8. Division Website Report (Schubring/Merzari)
9. Nominating Committee Report (Woods)
10. Membership Committee Report (Woods)
11. Old Business (All)
 - a. Reminder of THD special events at this meeting
 - b. Solicitation for NURETH-16 Host Organization (J. Kim/Sun)
 - c. THD Strategic, Tactical and Succession Plans (Sun)
 - d. NUTHOS-10 Planning (Sun)
12. New Business (All)
 - a. 2012 Young Members Advancement Award (Sun)

b. President Corradini's Major Efforts (Sun)

13. Others