

## **Minutes of the Executive Committee Meeting**

**Thermal Hydraulics Division  
2010 American Nuclear Society Annual Meeting  
Town and Country Resort, San Diego, CA  
4:30 – 6:00 PM, Sunday, June 13, 2010  
Eaton**

Attendees: Jose Reyes, Francesco D'Auria, Kurshad Muftuoglu, DuWayne Schubring, Elia Merzari, Hisashi Ninokata, Karen Vierow (Chair), F. Bill Cheung, Chang Oh, John Luxat, Hee Cheon No, David Aumiller, Si Young Lee, Xiaodong Sun, Brian Collins, Xiaojing Liu, and Joy Rempe. (same order as in Attachment A).

### **1. Opening**

Karen Vierow called the THD Executive Committee Meeting to order at 4:40 p.m.

### **2. Approval of Meeting Agenda**

The meeting agenda (Attachment B) was introduced and approved.

Before proceeding to Item 3, Karen Vierow invited the University of Michigan and Georgia Tech Student Conference Delegations to speak and present an update on the results of the 2010 ANS Student Conference and preparations for the 2011 ANS Student Conference. It was reported that at the 2010 Student Conference, the Thermal-Hydraulics track received the most submissions. The 2011 Student Conference will be held at the Hyatt Regency Downtown Atlanta from April 14-17, 2011. The Georgia Tech student delegation invited the THD and its members to serve as judges and sponsors.

### **3. Action Items from November 2009 Winter Meeting**

#### **a. NURETH-14 Planning (Luxat)**

A comprehensive update has just been issued in the THD Spring Newsletter. No further report required at this meeting.

#### **b. NUTHOS-8 Planning (Liu)**

An update for NUTHOS-8 planning was made during the Program Committee Meeting.

c. NURETH-15 and beyond (Vierow)

There is nothing to report concerning the action item from the 2009 ANS Winter Meeting calling for the collection of NURETH Meeting data. The action item will be held open.

Alan Levin raised the issue with Vierow by email that NURETH-14 will be held during Jewish holidays. He noted that NURETH-13 also imposed the same conflict. It was discussed that this could not have been avoided with NURETH-14 due to the required blackout period around the meeting. It was decided to ensure that a statement is included in future NURETH solicitations that recommend religious holidays be taken into consideration when examining NURETH conference proposals.

*Action: Collect data to determine if there is a market for a NURETH meeting every year. Data of interest include the number and quality of NURETH-15 proposals as well as the number of papers and paper submission trends for NURETH-14 and 15.* (Jong Kim—Conference Selection Committee)

*Action: Ensure that statement is added to future NURETH solicitations that host organizations take religious holidays into consideration when setting dates.* (Conference Selection Committee)

d. Solicitation for NURETH-15 Host Organization. (Vierow)

This item was discussed during the THD Program Committee Meeting.

e. Sponsorship of an embedded topical in 2012. (Muftuoglu)

A proposal was made to move forward with an embedded topical at the 2012 Winter Meeting in San Diego entitled, “Advances in Thermal Hydraulics”. This proposal also called for not holding regular ANS meeting sessions to compete with the topical. The primary motivation for the topical is to allow for revenue for full papers in the years between US based NURETH Meetings. It was reported that the THD is the only major ANS division not to have an embedded topical.

Some concerns were raised about the ability of the division to sustain all this presentation activity in the long run and the impact of the embedded topical on the success of NURETH and NUTHOS. It was agreed that there is some uncertainty here and that regardless what we do the division needs to keep a very close eye on what happens. If there is too much uncertainty we can commit on a meeting by meeting basis and decide on the format and frequency as we go along.

A motion was made to move forward with an embedded topical at the 2012 Winter Meeting in San Diego. A count was made and it was determined that enough EC members were present to constitute a quorum. It will be decided at a later date if there will be general THD sessions at the 2012 Winter ANS Meeting and what the name and focus of the topical will be. The motion passed seven for, one against and no abstentions.

*Action: Put the embedded topical meeting on the ANS calendar for the 2012 Winter Meeting. (Muftuoglu)*

*Action: Prior to the November ANS Winter 2010 meeting, determine the preliminary title, topic and format of the proposed embedded topical for discussion at the November 2010 Meeting. (Muftuoglu)*

f. NUTHOS-9 Planning (Ninokata/Vierow)

This item was discussed during the Program Committee Meeting.

g. Finalization of division rules/procedures (Vierow)

It was reported that comments from the Bylaws and Rules Committee (BRC) were addressed in the Rules and the BRC approved the revised Rules. The updated rules are now posted on the division website.

Item closed.

#### **4. Treasurer's Report**

A printed copy of the Treasurer's report (Attachment C) dated 5/31/2010 was distributed. Based on the financial report as of December 31, 2009, the total revenue for 2009 was \$26,731 (including carry-forward from 2008), and the total expenses were \$7,730, leaving the division a balance of \$19,001. As of 5/31/2010 the division balance is estimated as \$18,005.

The TAA endowment funding was discussed. The balance in this endowment is \$16,078 as of 4/30/2009. The monetary contribution from NURETH-13 provided substantial funding for the endowment over the last year. To be fully endowed the account will need a balance of \$20,000. Until that time general division funds will be used to pay for the TAA. Since donations from overseas organizations cannot be used to fund the division's general accounts, they will be used to fund the TAA endowment. Discussion occurred concerning where to put excess money from NURETH-14 after the TAA has been fully funded. It was decided that the treasurer will look into setting up a new awards account for the excess funding.

In the approved THD 2010 budget, \$500 has been allocated for student support but the exact use has not been identified. Discussion ensued about the best use of this money. A motion was made that the \$500 should go toward student travel in relation to the Young Professionals TH Research Competition at the November 2012 Meeting. The motion passed unanimously.

*Action: Look into setting up an account for awards so that we have a place to put the excess money from NURETH-14 after the TAA has been fully funded. (Aumiller)*

## **5. Honors and Awards Committee Report (Rempe)**

### a. Solicitation for TAA

The solicitation for the TAA is out, with nomination packages due on July 1.

### b. Best Paper Award

The Honor and Awards Committee calls on the NURETH-13 organizers to provide information on potential best paper candidates. It appears that a number of the papers went to *Nuclear Engineering and Design* before organizers were able to select them for best paper award. It was suggested that the H&A Committee consider the list of papers from the NURETH-13 organizers and the list of papers selected for NED from Yassin Hassan in the Best Paper selection process. To be considered for the award, at least one author must be an ANS member.

*Action: Get list of NURETH-13 papers submitted to NED and make a selection for the best paper. (Rempe)*

## **6. Young Professional Thermal Hydraulics Research Competition (Collins)**

It was reported that the competition is open to students as well as young professionals, as their inclusion may help to achieve a healthy number of summary submissions. To this date no abstracts for the competition have been submitted. Collins will attend the Young Professionals Group Meeting during the ANS Meeting in order to advertise the competition.

## **7. Division Website Report (Schubring)**

It was reported that the division website has been updated with the exception of the Program Committee Members.

*Action: Provide list of current Program Committee members to the webmaster. (Muftuoglu)*

*Action: Add NURETH-14 information onto the website. (Schubring)*

## **8. Nominating Committee Report**

The 2010 Executive Committee membership and officers were reviewed.

### ***Incoming THD Officers approved by ANS (July 2010-June 2011)***

#### Chair

Hisashi Ninokata

#### Vice Chair/Chair-Elect

Brian Woods

#### Secretary

Xiaodong Sun

#### Treasurer

David Aumiller

### ***Incoming THD EC members approved by ANS***

Si Young Lee (3 years)

Steven Arndt (3 years)

### ***Current EC members***

Hisashi Ninokata (2011)

Brian Woods (2011)

David Aumiller (2011)

Hee Cheon No (2011)

Randall O. Gauntt (2012)

John Luxat (2012)

Stephen Bajorek (2012)

Cesare Frepoli (2012)

Steven Arndt (2013)

Si Y. Lee (2013)

Xiaodong Sun

Karen Vierow (2010) [ex-officio]

### ***THD Committee Chairs***

Program Committee—Kurshad Muftuoglu (2012)

Honors and Awards Committee—Joy Rempe (2011)

Nominating Committee—Karen Vierow (2011)

Membership Committee—Karen Vierow (2011)

### ***Retiring EC Members***

Chang Oh (2010)  
Kurshad Muftuoglu (2010)  
Robert Martin (2010)

*Action: Nominate new EC members. (Vierow)*

## **9. Membership Committee Report**

The current division membership stands at 1034 members which represents approximately 9.3% of the total ANS Membership.

## **9. Old Business**

It was reported that the division report to the Board of Directors went well. There were no negative items to report. The division is doing quite well with a large number of “green boxes” including strong support of the meetings through our papers. Our budget planning through our spending plan was well received by the Board. It was also noted that our division membership continues to increase but at a decreasing rate.

## **10. New Business**

The THD liaison to the Board, Jose Reyes, has suggested that the division develop position statements on topics that regulatory guides do not cover. Guidance on preparation of such statements needs to be explored.

*Action: Look into guidance for the preparation of position statements and send email to division membership. (Ninokata)*

## **11. Others**

The THD liaison to the Board also shared with the division the plans of the national ANS organization. ANS is currently looking into a plan to modernize the organization—a process coined “enterprise transformation”. As part of this effort, ANS has done an extensive analysis of the organization and processes of other professional societies and how this information could be used to improve the ANS.

Finally, Hisashi Ninokata honored Karen Vierow for her service to the division over the past year as the Chair of the Thermal Hydraulic Division and made a presentation of a plaque with a gavel to her. Thanks Karen!

*Minutes prepared by Brian Woods*

# ATTACHMENT A

**American Nuclear Society – Thermal Hydraulics Division  
Executive Committee Meeting  
Town and Country Resort, San Diego, CA  
4:30 – 6:00 PM, Sunday, June 13, 2010  
Location: Eaton**

## Sign In Sheet

Name	Affiliation	Email	Phone
JOSE REYES	NUScale /asu	jnr@nuscalepower.com (541) 230-0311	
FRANCIS D'AURIA	UNIV. PISA	dauria@ing.unipi.it +39-320-4345-972	
Kunshad Mufitoglu	Gettischi Nuclear Energy	kunshad.mufitoglu@ge.com	910 - 819 - 4556
DuWayne Schubring	University of Florida	dlschubring@ufl.edu	352-392-1401x314
ELIA MERZARI	ANL	emerzari@anl.gov	630 - 991 - 8813
Hiashi NINOKATA	Tokyo Inst Tech.	hninokata@nr.titech.ac.jp	+81-3-5734-3056
Karen Vierow	Texas A&M University	vierow@ne.tamu.edu	979 - 8458 - 0600
F. Bill Chang	Penn State	fbc4f@psu.edu	814-863-4261
chang oh	INL	chang.oh@inl.gov	208-526-7716
TONY LUXAT	McMASTER U.	luxatj@mcmaster.ca	905-525-9140 ext 24670

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## **Sign In Sheet**

## **ATTACHMENT B**

### **PROPOSED AGENDA**

**American Nuclear Society – Thermal Hydraulics Division  
Executive Committee Meeting  
Town and Country Resort, San Diego, CA  
4:30 – 6:00 PM, Sunday, June 13, 2010  
Location: Eaton**

- 1. Opening (Karen)**
- 2. Approval of Meeting Agenda (All)**
- 3. Action Items from November 2009 Winter Meeting**
  - a. NURETH-14 Planning (Luxat)
  - b. NUTHOS-8 Planning (Xu)
  - c. NURETH-15 and beyond (Vierow)
  - d. Solicitation for NURETH-15 Host Organization. (Vierow)
  - e. Sponsorship of an embedded topical in 2012. (Muftuoglu)
  - f. NUTHOS-9 Planning (Ninokata/Vierow)
  - g. Finalization of division rules/procedures (Vierow)
- 4. Treasurer's Report (Sun)**
  - a. Student support expenditures.
- 5. Honors and Awards Committee Report (Martin)**
  - a. Solicitation for TAA
  - b. Best Paper Award
  - c. New Fellow nomination
- 6. Young Professional Thermal Hydraulics Research Competition (Collins)**
- 7. Division Website Report. (Schubring)**
  - a. Website update to reflect current officers and committee memberships.
- 8. Nominating Committee Report (Oh)**
- 9. Membership Committee Report (Oh)**
- 10. Old Business (All)**
  - a. Reminder of THD special events at this meeting
  - b. Division Report to the Board of Directors on Nov. 17 (Vierow)
- 11. New Business (All)**
  - a. THD position statement. (Vierow)
- 12. Others**

## ATTACHMENT C

### Treasurer's Report (May 31, 2010)

#### (a). 2009 Division Financial Report

For 2009, the Division's income of \$26,731 came from the 2008 carry forward (\$22,907), our 2009 member allocation (\$2,044), and Division income from meeting revenue support (i.e., by contributing more than the expected number of technical summaries and organizing technical panels, \$1,780). THD expenses were support for newsletters postage, awards and plaques, donation to the student conference at University of Florida in April 2009, student travel support to the ANS Annual Meeting (June 2009) and the ANS Winter Meeting (November 2009), scholarships including the NEED program, and one-time donation to the Larry Hochreiter Endowed Lecture Series. The total THD expenses for 2009 were \$7,730, which was slightly below the EC approved 2009 budget, \$7,800 (See the THD Fall 2009 Newsletter). The details of the income and expenses are included in the table below.

Revenue		
Type	Item	
Member Allocation	\$2/THD Member	2,044
Carry Forward from 2008		22,907
Division Income from meeting revenue support	June meeting 29 papers @ \$30, \$870 Nov. meeting 27 papers @ 30, \$810 Nov. meeting 2 panels @ \$50, \$100	1,780
<b>TOTAL REVENUE</b>		<b>26,731</b>
Expenses		
Type	Item	
Newsletters (Postage)		11
Awards, Plaques		1,719
Student Conference Support	University of Florida meeting	2,500
Student Travel Support	June 09 Meeting	250
Student Travel Support	Nov. 09 Meeting	250
Scholarship/NEED	Scholarship (\$250) + NEED Program (\$250)	500
Other Expenses	One-time donation to the Larry Hochreiter Endowed Lecture Series	2,500
<b>TOTAL EXPENSES as of 12/31/09</b>		<b>7,730</b>
<b>Balance as of 12/31/09</b>		<b>19,001</b>

Many thanks to the authors, reviewers, session and panel organizers, the Program Committee (PC), and the PC Chair, Dr. Kurshad Muftuoglu, for the great job of promoting THD participations in the ANS National Meetings by presenting many high-quality papers. The income from those papers is certainly essential to maintain our THD's financial stability.

**Awards-related expenses for the year 2009 (\$1,719)**

- THD Technical Achievement Award for 2009 at \$1,000
- THD Technical Achievement Award plaques at \$76
- Best Paper Award at \$500
- Best Paper Award plaque at \$72
- Recognition plaque for outgoing Division Chair at \$71

**(b). 2010 Division Budget (\$5,300)**

For 2010, the Executive Committee approved the following expenses at the November 2009 meeting:

- \$1,800 for awards and plaques (same as in 2009)
- \$2,000 for ANS Student Conference support (\$500 less than that in 2009)
- \$500 targeted to student support with details to be identified at the June 2010 EC meeting (additional item, not in the 2009 budget)
- \$500 total for student travel support to the 2010 ANS Annual Meeting and Winter Meeting (same as in 2009)
- \$500 for Scholarship/NEED program (same as in 2009)

**(c). 2010 Division Financial Report (by May 31, 2010)****2010 Income**

For 2010, the Division's income of \$21,069 included the 2009 carry forward (\$19,001) and our 2010 member allocation (\$2,068). Please note there was a typo in the THD 2010 Spring Newsletter: the Division's 2010 income was shown as \$21,039, instead of the correct number \$21,069.

**2010 Expenses (by May 31, 2010)**

The Division's expenses by May 31, 2010 include the following:

- \$2,000, donation to the ANS student conference at the University of Michigan in April 2010
- \$500, donation to the ANS for student travel support to the 2010 ANS Annual Meeting and Winter Meeting
- \$500, donation to the ANS for Scholarship/NEED program
- \$64 (estimate), plaque for outgoing division chair

The balance of the THD general funding account as of May 31, 2010 is estimated as **\$18,005**.

**(d). Update on the TAA Endowment Account**

On June 3, 2010, Christian Krapp of ANS Accounting Manager provided the following information about THD's endowment account for the TAA Award (account No.: 2742):

Beginning Balance (01/01/2010):	\$3,488
Contribution from NURETH-13:	\$12,490
Four-month Interest:	\$100
Balance on 04/30/2010:	<b>\$16,078</b>

The account needs \$20,000 to get it fully endowed. Once the account is fully endowed, THD can use the revenue generated from this account to support the THD TAA award.

The ANS THD thanks the Atomic Energy Society of Japan, NURETH-13 organizers, and Professor Hisashi Ninokata for the generous support to the ANS THD! The donation from NURETH-13 is invaluable in helping the THD TAA endowment account get fully funded.

**(e). Identifying the use of \$500 student support**

As indicated in Item (a) above, in the THD EC approved 2010 budget, there are \$500 allocated for student support, but without exact use identified. In the 2010 Annual Meeting, The EC will need to decide how to use the \$500. A couple potential uses are:

1. Travel support to students who participate in the Young Professional Thermal-Hydraulics Research Competition at the 2010 November Meeting
2. Monetary award for the student winner of the above Competition

Xiaodong Sun, The Ohio State University  
2009-2010 Treasurer  
ANS Thermal Hydraulics Division  
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