

Minutes of the Executive Committee Meeting

Thermal Hydraulics Division
American Nuclear Society 2009 Annual Meeting
Hyatt Regency Atlanta Hotel, Atlanta, Georgia
5:00 – 7:00 PM, Sunday, June 14, 2009
Courtland

Attendees: Kurshad Muftuoglu, Steven Arndt, Xiaodong Sun, Shripad Revankar, John Luxat, Hee Cheon No, Jong Kim, Hisashi Ninokata, Elia Merzari, Rizwan Uddin, DuWayne Schubring, Robert Martin, Yassin Hassan, Brian Woods, Steve Bajorek, Chang Oh (Chair), Karen Vierow, James Werner (same order as in Attachment A)

1. Opening

Chang Oh called the THD Executive Committee Meeting to order at 5:20 p.m.

2. Approval of Meeting Agenda

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

3. Minutes from November 2008 Winter Meeting

The meeting minutes from the 2008 Winter Meeting in Reno, NV (Attachment C) were approved.

4. Action Items from November 2008 Winter Meeting

a. Conference Selection Committee (Chang Oh)

This item was discussed in the PC meeting, where Oh reported that the Conference Selection Committee was formed with the following members: Jong Kim (Chair), Steve Arndt, Mike Podowski, Qiao Wu and Randy Gauntt. Oh opened the floor for discussion with the possibility of adding additional candidates/members to the Conference Selection Committee. Hassan and Martin expressed their willingness to serve on the Committee. A vote by the Executive Committee is required to add additional members.

Action: Vierow was asked to take the initiative in this respect as next Division chair.

b. NURETH-14 Host Selection (Chang Oh)

Oh reported that the Canadian Nuclear Society's (CNS) proposal had been selected after a screening process. The original CNS proposal indicated that the conference dates would be October 2-6, 2011, less than four weeks before the 2011 ANS Winter Meeting (October 30-November 3). The NPC rejected the

proposal. The reason for the initial rejection was apparently because the dates were within 4 weeks of the 2011 ANS Winter Meeting. In fact, ANS rules forbid a conference to be held in the four weeks preceding a general meeting. It was, however, not entirely clear if this rule was applicable to NURETH-14 since the rule exempts international conferences. The proposal was revised to include the new conference dates of September 25-29, 2011. The NPC finally approved the CNS bid. However, due to the change in schedule, the venue was changed from Marriot Toronto Hotel to the Hilton Toronto Hotel.

Oh pointed out that the organizers of future international conferences should be aware of the exemptions for the 4 week rule and, with this recognition, still try to obtain a waiver.

Action: Muftuoglu was asked to attend the NPC meeting in July and make sure that the same situation was not reproduced for NUTHOS-8. Oh said that he had in fact already submitted Form 4 for the Chinese Nuclear Society bid for NUTHOS-8, as discussed in item 4.c.

c. NUTHOS-8 Planning (Jong Kim)

Kim reported that the Chinese Nuclear Society had submitted a bid for NUTHOS-8 (it was the only bid received by the time of the EC meeting). The Conference Selection Committee has just started the evaluation process and it will report to the Executive Committee. The proposed dates are October 10-14, 2010. It was noted that the proposed meeting dates are within 4 weeks prior to the 2010 ANS Winter Meeting and that this meeting proposal may be relieved of the 4-week requirement due to its international conference nature as noted in 4.b.

Revankar asked what the fall back plan is in case of rejection of the proposal. Jong Kim replied that a possibility is to move the meeting to 2012 or move the conference dates to September 2010.

Further discussion was held during the PC meeting.

Action: Jong Kim will collect the criteria for the conference proposal evaluation.

d. NURETH-15 and Beyond (Chang Oh)

Oh pointed out that NURETH-15 should be held in 2013 and solicitations should be sent out to the local sections. The 2013 ANS Winter Meeting will be held Nov. 10 - 15, and organizers of NURETH-15 need to be aware of the time constraints.

Action: Vierow was asked to take the initiative in distributing a solicitation to the local sections for NURETH-15 proposals.

Oh strongly requested that future candidate organizers of NURETH attend EC and PC meetings. They should also participate in the technical sessions. Such participation helps the potential organizers become familiar with the operation of the THD and can potentially make their proposals stronger.

Oh reported that the Jewish community expressed concerns about the NURETH conference dates because NUTHOS-7 and NURETH-13 were held in conflict with Jewish holidays. Ninokata said that he was aware of the situation. Due to the constraints from the ANS' 4-week rule and availability of the conference site, there were no other choices in the case of NURETH-13. Revankar proposed to include in the solicitation the guidance to avoid the holidays. However, due to the very tight schedule (e.g., competition with other conferences, the 4-week rule) it is agreed that the dates should be left to the organizer's discretion.

e. PDC Meeting Participation for E-Paper Cost (Hisashi Ninokata)

Ninokata reported that he had attended a Professional Divisions Committee (PDC) meeting held in the 2008 ANS Winter Meeting (November 11, 2008). The meeting agenda had included the discussion of ANS's financing the digitalization of old papers contained in back issues of *Nuclear Technology*, *Nuclear Science & Engineering*, and *Fusion Science and Technology*. A vote had been held in favor of the motion. The cost was estimated at \$270K. One method of covering these costs is for ANS to offer electronic versions of the papers online at \$30/paper. The source of funds for digitalization has not been decided.

f. New Fellow Nomination (Yassin Hassan)

Hassan pointed out that there are two independent processes for fellow nomination: to obtain a Division nomination or to present three referral letters. He reported that Seung Jong Oh, a member of the THD, was nominated and selected to a fellow status this June. Hassan also reported that the Division was in the process of nominating a member for the next winter term.

Oh informed the committee of the following statistics that he obtained at a meeting with the ANS president with other Division chairs on Sunday:

- In 2007/2008, 8 applications were filed for fellowship and 2 were approved;
- In 2008 (winter term), 3 applications were filed for fellowship and 1 was approved;
- In 2009 (spring term), 4 applications were filed for fellowship and 4 were approved.

Hassan proposed that more members of the THD should be involved in the ANS H&A Committee.

g. Update on Session Organizer Participation (Kurshad Muftuoglu)

This topic was extensively discussed in the PC meeting. Muftuoglu reiterated that there had been a steep increase in the reviewer participation (25 reviewers were active for the 2009 ANS Annual Meeting), and shared satisfaction with the current status of session organizing and reviewing.

Oh and Vierow pointed out that the THD in the year 2008 received all “green” metrics except for (and they were “white” – indicating acceptable):

- The class 1- class 2 topical meeting “box”, since they were not held;
- Non-meeting publications.

Oh deemed the status of our Division to be excellent, especially in comparison to some other Divisions which had several “yellows” and “reds”.

Oh also reported that the new chair of the PDC will be Mickey Brady-Raap.

h. 2010 ANS Annual Meeting Program in San Diego (Kurshad Muftuoglu)

Muftuoglu reported that in addition to the standing sessions such as General Thermal Hydraulics, Computational Thermal Hydraulics and General Two Phase Flows, three special sessions will be organized:

- Scaling analysis techniques and tutorial (see PC meeting minutes), which will be organized by Shripad Revankar and Pradip Saha;
- RG (Regulatory Guide) 1.157: a panel on the upcoming revisions (with Kurshad Muftuoglu, Bob Martin and possibly Steve Arndt); Steve Barojek’s name was mentioned too.
- Thermal Hydraulics of VHTR organized by Vierow and Oh.

Action: Muftuoglu will send e-mails and collect summaries describing these sessions. He will also submit them to the July NPC meeting.

5. EC Vote on ANST Professional Division Application (Chang Oh)

Oh reminded the EC members that at the PDC meeting on Tuesday June 16, a vote will be held on the approval of the application of the Aerospace Nuclear Science and Technology Technical Group (ANST) consisting of about 520 members to become a Division.

After several discussions, a vote was held and all were in favor of the ANST proposal. The motion was approved.

Oh reported that the following two items for the PDC meeting needed approval:

- ETD (Educational & Training Division) has moved to change their name to ETWDD (Education and Training Workforce Development Division);
- RRSB (Robotics & Remote Systems Division) wanted to change its scope.

The first item was unanimously approved by the EC members. A recommendation was made for approval of the second item provided that the scope change does not overlap with the THD scope. Authority was given to the PDC meeting attendee from THD (Vierow) to decide. All attending EC members voted in favor and the motion was approved.

Rizwan Uddin asked the THD to endorse the INREC'10 conference (First International Nuclear and Renewable Energy Conference) to be held in Amman, Jordan, March 21-24, 2010. He explained that, after the endorsement of the THD, an application for co-sponsorship (Form 4 for Class IV meeting) will be sent for approval to the National Program Committee. Vierow pointed out that no THD sessions were available in the first draft of the program. Rizwan replied that the present program was preliminary and THD sessions will be eventually added. Rizwan also pointed out INREC'10 will not be considered as a THD sponsored Class IV meeting.

All the attending EC members voted in favor of the INREC'10 endorsement

6. **Treasurer's Report** (Karen Vierow)

Vierow presented the Treasurer's report on behalf of Kune Y. Suh.

Based on the balance sheet as of December 31, 2008 provided in Attachment D, the total revenue for 2008 was \$27,114 (including a carry-forward from 2007 of 14,430), and the total expenses were \$4,957, leaving the Division a balance of \$22,157. The two main sources of income were:

- NURETH-12, with an income of \$10,698.32 (20% share),
- Member allocation (\$2/member) for \$1,986.

Note that the Division income from paper submission in excess of the expected numbers is no longer received because the membership allocation has been increased from \$1/member to \$2/member.

THD expenses in 2008 are for awards and plaques (\$1,342), the Student Conference at Texas A&M University in Feb.-March 2008 (\$2,500: \$1,000 down from 2007), student travel support to the 2008 ANS Annual Meeting (\$250) and the 2008 ANS Winter Meeting (November 2008) (\$250 total: same as in 2007), and scholarships including the NEED program (\$500: same as in 2007). A one-time donation to the Larry Hochreiter Endowed Lecture Series of \$2,500 was also made.

Action: Vierow was asked to make sure that the THD receives information about the schedule for the distinguished speaker series in memory of Prof. Hochreiter.

7. Program Committee Report (Kurshad Muftuoglu)

The following reports were covered by the PC. See the PC Meeting minutes.

- a. NURETH-13 Status (Hisashi)
- b. NURETH-14 Planning (John Luxat)
- c. 2008 ANS Winter Meeting Report, Reno, NV (Kurshad)
- d. 2009 ANS Annual Meeting Program Status in Atlanta, GA (Kurshad)
- e. 2009 ANS Winter Meeting Program in Washington DC (Kurshad)

8. Honors and Awards Committee Report

a. Best Paper Award (Yassin Hassan)

Hassan reported that the following two papers:

- *RCCS Experiments and Validation for High Temperature Gas-Cooled Reactor*, Chang Oh and Cliff Davis and Goon C. Park;
- *Applicability of Small-Scale Test data to the 4500 MWt ESBWR Loss-of-Coolant Accidents*, Pradip Saha et al.,

authored by THD members shared the Best Paper Award in 2008. The winner of the 2008 ANS Technical Achievement Award is the late Professor Larry Hochreiter. Professor Jack Brenizer received the award on behalf of Larry's family and friends during a memorial session honoring Larry in NUTHOS-7. The session was chaired by Prof. Y. A. Hassan and Prof. S. Kim.

b. Young Professional Thermal Hydraulics Research Competition (Kurshad Muftuoglu)

Muftuoglu reported that the Young Professional Thermal Hydraulics Research Competition will be featured in the 2009 Young Professionals Congress (embedded topical meetings in the 2009 ANS Winter Meeting). Summaries submitted to the session "Innovation in Thermal Hydraulics" will be entered into the competition. The THD is expected to provide judges.

A paper was circulated through the meeting to collect volunteers for the judges. Those who volunteered include Xiaodong Sun, Elia Merzari and Hisashi Ninokata.

c. New Fellow nomination

Discussed in item 4.f.

d. TAA solicitation

Bob Martin reported that two carry-over nominations from previous years were considered by the H&A Committee and will be presented soon. July 1st, 2009 is the deadline for nominations. Martin expects one new nomination.

Chang Oh informed the EC meeting attendees that Jong Kim had received two ASME awards. The members extended their congratulations.

- The “ASME Dedicated Service Award” and
- The “Heat Transfer Memorial Award”, the highest award of the ASME division.

Action: The next Nominating Committee (Chair: Chang Oh) should determine 3 rotating members of the THD H&A Committee for the three-year term as soon as possible.

Action: The next THD H&A Committee Chair Bob Martin should take the initiative in the TAA solicitation.

9. Nominating Committee Report (Shripad Revankar)

Revankar reported the election results for Division Officers for year 2009-2010:

Incoming THD Officers (July 2009-June 2010):

Division Chair:	Karen Vierow	vierow@ne.tamu.edu
Vice Chair:	Hisashi Ninokata	hninokat@nr.titech.ac.jp
Treasurer:	Xiaodong Sun	sun.200@osu.edu
Secretary:	Brian Woods	brian.woods@oregonstate.edu

Five new EC members have been elected as listed below:

Executive Committee Members for Three-year Term:

Randall O. Gauntt	rogaunt@sandia.gov
John Luxat	luxatj@mcmaster.ca
Stephen Bajorek	Stephen.Bajorek@nrc.gov
Cesare Frepoli	FrepolC@westinghouse.com

Executive Committee Member for Two-year Term:

David L. Aumiller	aumiller@bettis.gov
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Revankar also reported that our current Program Committee Chair, Kurshad Muftuoglu, will serve for another 3-year term as THD Program Committee Chair.

Revankar requested names for the next year 3 EC members and THD officer nominations.

Action: The Nominating Committee Chair will solicit names for next year's TH EC members and officers of the THD.

10. Membership Committee Report (Bob Martin)

Bob Martin reported that the Division has 993 members as of Dec. 31, 2008. Revankar asked what the best strategy is to boost membership. Martin replied that the best strategy is to continue having good meetings (the number of members increases after NURETHs).

11. Old Business

None.

12. New Business

At the PDC workshop, Chang Oh was asked to appoint one or two THD Standards liaisons to the HTR design committee. Oh asked for volunteers. The role of the liaisons would be to write up comments or position papers on the selection of the reactor design.

Oh also pointed that at the PDC workshop each division was asked to finalize division rules/procedures this year.

Action: Vierow was asked to take the initiative in this respect.

Ninokata reminded the committee that NUTHOS-9 preparation for 2012 should be started soon.

Action: Vierow was asked to take the initiative in this respect

Ninokata also reminded the committee that there is a scheduled THD presentation to the board meeting in the 2009 ANS Winter Meeting.

Action: Vierow was asked to take the initiative in this respect

Jong Kim pointed out that there was a discussion in the last winter meeting about NUTHOS being elevated to the same status of NURETH. Muftuoglu noted that, putting NURETH and NUTHOS on the same level would lead to yearly THD topical meetings and competition with ICAPP meetings may arise. Ninokata pointed out that the scope of NUTHOS is somewhat broader than NURETH and limited to the North-East Asian Region. If NUTHOS is elevated to the level of NURETH, changes in the NUTHOS charter will be necessary.

Kim pointed out that the ANS meeting registration fee is increasing and something should be done about it.

Ninokata thanked the committee members for the message in memory of Prof. Akiyama on occasion of his death on behalf of the family. The message was conveyed to Mrs. Akiyama. The memorial service was held on May 19, 2009.

The meeting was adjourned at 6:50 p.m.

Minutes prepared by Hisashi Ninokata

ATTACHMENT A

Thermal Hydraulics Division Executive Committee
 American Nuclear Society 2009 Annual Meeting
 Hyatt Regency Atlanta Hotel, Atlanta, Georgia
 5:00 – 7:00 p.m., Sunday, June 14, 2009
 Courtland

Attendance Signup Sheet

Name	Affiliation	Email	Phone	Signature
Kurshad Muftuoglu	GE Hitachi Nuclear Energy	kurshad.muftuoglu@ge.com	910-819-4556	
STEVEN ARNDT	NRC	stevenc.arndt@nrc.gov	301-415-6502	
Xiaodong Sun	Ohio State University	Sun.2xp@osu.edu	614-247-7646	
SHRIPAD REVANKAR	PURDUE UNIVERSITY	shripad@ecn.purdue.edu	765-496-1782	
JOHN LUXAT	MEMORIAL UNIVERSITY	luxatj@memaster.ca	905 525-9190 ext 24670	
Hee Cheon NO	KAIST	hcho@kaist.ac.kr	042-869-3810	
Jong Kim	KAIST/EPRI	jkim@epri.com	650-855-2671	
Hisashi NINOKATA	Tokyo Inst Tech	hninokata@nr.titech.ac.jp	+81-3-5734-3056	
Elio Merzori	" " "	merzori@nr.titech.ac.jp	+81 40 34365381	
Rizwan Uddin	U of IL	rizwan@illinois.edu	217 244 4944	
DWayne Schubring	University of Florida	dschubring@ufl.edu	352-273-0306	
Robert Martin	AREVA NP	robert.p.martin@areva.com	434-832-2319	
Yassin Hassan	Texas A&M	y-hassan@tamu.edu	979 845 7090	
Brian Woods	Oregon State U	brian-woods@oregonstate.edu	541-737-6535	
Steve Bajorek	NRC	Stephen.Bajorek@nrc.gov	301 251-7561	
Chang Oh	INEL	chang.oh@inell.gov	208-566-9716	
Karen Viewrow	Texas A&M University	viewrow@ne.tamu.edu	979-458-0600	
James Wynn	INEL	James.Wynn@inell.gov	208-566-8378	

PROPOSED AGENDA

American Nuclear Society – Thermal Hydraulics Division
Executive Committee Meeting
American Nuclear Society 2009 Annual Meeting
Hyatt Regency Atlanta Hotel, Atlanta, Georgia
5:00 – 7:00 PM, Sunday, June 14, 2009
Location: Courtland

1. Opening (Chang)
2. Approval of Meeting Agenda (All)
3. Minutes from November 2008 Winter Meeting (Hisashi)
4. Action Items from November 2008 Winter Meeting
 - i. Conference Selection Committee (Chang)
 - j. NURETH-14 Host Selection (Chang)
 - k. NUTHOS-8 Planning (Jong)
 - l. NURETH-15 and beyond (Chang)
 - m. PDC Meeting Participation for E-Paper Cost (Hisashi)
 - n. New Fellow Nomination (Yassin)
 - o. Update on Session Organizer Participation (Kurshad)
 - p. 2010 ANS Annual Meeting Program in San Diego (Kurshad)
5. EC vote on ANST Professional Division Application (Chang)
6. Treasurer's Report (Karen)
7. Program Committee Report (Kurshad)
 - f. NURETH-13 status (Hisashi)
 - g. NURETH-14 Planning (Jovica)
 - h. 2008 ANS Winter Meeting Report, Reno, NV (Kurshad)
 - i. 2009 ANS Annual Meeting Program Status in Atlanta, GA (Kurshad)
 - j. 2009 ANS Winter Meeting Program in Washington DC (Kurshad)
8. Honors and Awards Committee Report (Yassin)
 - a. Best Paper Award (Yassin)
 - b. Young Professional Thermal Hydraulics Research Competition (Don)
 - c. New Fellow nomination (Yassin, all)
 - d. Solicitation for TAA (Bob)
9. Nominating Committee Report (Shripad)
10. Membership Committee Report (Bob)
11. Old Business (All)
12. New Business (All)
13. Others

ATTACHMENT C

Minutes of the Executive Committee Meeting

Thermal Hydraulics Division
2008 American Nuclear Society Winter Meeting
Grand Sierra Resort & Casino, Reno, Nevada
5:00 – 7:00 p.m., Sunday, November 9, 2008
Teton 1

Attendees: Chang Oh (Chair), Brian G. Woods, Heng Ban, Mike Podowski, Jong Kim, Hisashi Ninokata, Elia Merzari, Kurshad Muftuoglu, Xiaodong Sun, Jose Reyes, Yassin Hassan, Karen Vierow, Joy Rempe, Hee Cheon No, Seungjin Kim (same order as in Attachment A)

1. Opening

Chang Oh called the THD Executive Committee Meeting to order at 5:10 p.m.

2. Approval of Meeting Agenda

The meeting agenda (Attachment B) was introduced and approved with an additional sub-item “f. 2009 ANS Winter Meeting Program in Washington DC (Kurshad)” in Item 4. Action Items from June 2008 Annual Meeting.

Before proceeding to the next Item 3, Chang Oh invited Joshua Richards, a student at the University of Florida and 2009 ANS Student Conference Co-Chair, who briefed the committee on the upcoming ANS Student Conference 2009 (Florida).

Richards requested:

1. financial support of \$3,000 (they would like to provide travel support at \$250/student) from the THD division;
2. at least six judges for the student competition from Brian Woods.

Oh reiterated the continuous support of the THD division toward the student conference but that the amount of support may be reduced. More than six EC meeting attendees volunteered to be judges in the competitions. A list with names, contact information and signatures of the judges was made available (Attachment E provided by Brian). Oh inquired about a proposal to have a RELAP5 workshop which would be sponsored by the division. Students cordially accepted the offer. They also expressed gratitude for past financial support from the division.

3. Minutes from June 2008 Annual Meeting

The meeting minutes from the June 2008 meeting in Anaheim, CA (Attachment C) were approved.

4. Action Items from June 2008 Annual Meeting

q. NURETH-14 Host Planning

Discussion was made in the preceding PC meeting where it was reported that Canada and Italy had responded to the call for proposals for hosting NURETH-14. Target screening date is January 2009. It was discussed, but not agreed to, that the next NURETH conference should be held in USA (including Canada), followed by the one outside USA, then in USA every two years.

From now on, the Division Chair and Vice-chair will form a NURETH host selection committee and establish procedures to avoid past difficulties with solicitation distribution, proposal scoring criteria, etc.

Action: Distribute call for proposals of NURETH-14 to ANS local section.

Note: After the ANS meeting, Rempe checked with ANS headquarters and learned that the NURETH14 call for proposals had been distributed to all local sections in the US and to foreign sections registered with ANS headquarters.

r. NUTHOS-8 Planning

In order to facilitate the suggestion made by Jong Kim during the PC meeting to hold the NUTHOS conference every two years between two NURETH meetings, thus enabling us to have NURETH or NUTHOS alternatively every year, it was agreed to continue the discussion that THD should be a major sponsor of the NUTHOS series, whereas the north-east Asian countries had been the conference site in the past.

Action: Kim (Jong) was asked to take the initiative in this respect.

s. NURETH-15 and beyond

Jong Kim suggested that submission of proposals for NURETH conferences beyond the one currently being organized be discouraged. He again expressed concern that Division member's names had been used without permission in the Indian proposal. Muftuoglu noted that there may have been some miscommunication with respect to the process.

Further discussion was held during the PC meeting.

Action: Placement of call for proposals for hosting NURETH-15 shall be made on the web-site at the appropriate time and continue to be distributed via the ANS headquarters distribution system.

t. Status of the 2008 ANS Winter Meeting, Reno, NV (Kurshad)

25 papers were scheduled to be presented in 5 technical sessions and two presentations would be made in the Award Session in memory of the late Prof. Larry Hochreiter. Further discussion was held during the PC meeting.

- u. Update on Session Organizer Participation (Kurshad)

None

- v. 2009 ANS Winter Meeting Program in Washington DC (Kurshad)

Skipped (the discussion was held during the PC meeting.)

Oh reported on the Professional Divisions Committee meeting. Discussions were made on ANS's financing the digitalization of old papers contained in back issues of *Nuclear Technology*, *Nuclear Science & Engineering*, and *Fusion Science and Technology*. The cost is estimated at \$270K. ANS would like to offer electronic versions of the papers online at \$30/paper. A vote was held to decide whether the THD supports or not the proposition. The motion passed. With this, Ninokata was asked to attend the PDC meeting in the afternoon, Tuesday to participate in the ballot.

Action: Ninokata attends the PDC Meeting (Tuesday, November 11, 4PM-)

Oh also reported that at the PD workshop the student section proposed a new disbursement method, intended to provide some immediate relief while larger changes are considered at length. Some options being considered include removing the distance-weighted calculation so that each student receives an equal amount, asking division contributions earlier than June 1 so that a preliminary estimate of travel reimbursement can be provided. A vote was held to decide whether the THD would support the proposition or not. The motion passed.

Oh pointed out that Don Hoffman, PDC Chair, mentioned that he considers including each division's "EC/PC minute report within 30 days following the ANS meeting" as one of the professional division metrics/measures of division vitality.

Don Hoffman also asked if it is worthwhile hiring one webmaster who can serve all divisions and he will find out the cost later.

5. **Treasurer's Report**

Vierow presented the treasure's report on behalf of Suh. Based on the balance sheet as of March 31, 2008 provided in Attachment D, the total revenue for 2008 was \$16,416 (including carry-forward from 2007), and the total expenses were \$2,500, leaving the division a balance of \$13,916. The income from the NURETH-12 was \$10,698.32 that had been transferred to THD but not included in the balance sheet yet.

Note that the Division income from paper submission in excess of the expected numbers is no longer received because the membership allocation has been increased from \$1/member to \$2/member. THD expenses in 2008 are for awards and plaques (\$1,800: same as in 2007), the Student Conference at Texas A&M University in Feb.-March 2008 (\$2,500: \$1,000 down from 2007), student travel support to the ANS Annual Meeting (June 2008) and the ANS Winter Meeting (November 2008) (\$500 total: same as in 2007), and scholarships including the NEED program (\$500: same as in 2007).

For 2009, the proposed expenses were: support for awards and plaques (\$1,800: same as in 2008), the ANS Student Conference at University of Florida in March 2009 (\$2,500: same as in 2008), student travel support to the ANS Annual Meeting (June 2009) and the ANS Winter Meeting (November 2009) (\$500 total: same as in 2008), and scholarships including the NEED program (\$500: same as in 2008). This budget, which is based on the recommendation made by the Ad-hoc Committee (Vierow, Cheung and Rempe) on Long-Term Finances, was approved by the EC. See Attachment D for more details.

6. Program Committee Report

The following committee reports are the same as in the PC. See the PC Meeting minutes.

- k. NUTHOS-7
- l. NURETH-13 status
- m. 2008 ANS Annual Meeting Report, Anaheim, CA
- n. 2008 ANS Winter Meeting Status, Reno, NV
- o. 2009 ANS Annual Meeting Program in Atlanta, GA

7. Honors and Awards Committee Report

- e. Solicitation for TAA

To be conducted next year.

- f. Best Paper Award

Hassan reported that papers authored by THD members Pradip Saha and Chang Oh share the Best Paper Award this year.

- g. Young Professional Thermal Hydraulics Research Competition

Covered just after Item 2. Approval of Meeting Agenda

- h. New Fellow nomination

Hassan proposed to encourage THD members to join the selection committee of ANS fellows (ANS Honors and Award Committee). The division should submit

a proposal to revise the selection process. Hassan will take leadership on this issue. The proposal should feature:

- The creation of subcommittees in the honors committee (based on each division),
- The definition of different criteria (e.g., to include criteria that take into account; achievement in the industry);
- The introduction of an appeal process.

Action: Hassan will talk to Chairman of H&A Committee Bob Little in this regard.

8. Nominating Committee Report

Chang Oh reported on behalf of Shripad Revankar that the 2009 THD officer candidates are as follows:

Chair: Karen Vierow

Vice Chair: Hisashi Ninokata

Secretary: Brian Woods

Treasurer: Xiaodong Sun

New Honors and Award Committee members: Riznic, Kim (Jong) and Bill Cheung

New Executive Committee members: Steve Bajorek (US NRC), John Luxat (McMaster University), Randy Gauntt (Sandia National Laboratories), Cesare Frepoli (Westinghouse), David Aumiller (Bechtel Bettis). Aumiller will be nominated for a two year term.

9. Membership Committee Report

There was no report from the Committee.

10. Old Business

None.

11. New Business

- Others --- Conference advertisement of THD members as session organizers for future conferences - NURETH15, IHTC, etc: discussed in the PC.
- Vierow reported on behalf of Bob Martin that the Nuclear Engineering Program at Penn State University is endeavoring to endow a “distinguished speaker series” in honor of Prof. L. Hochreiter, financed through donations. The minimum level of support for such a series is \$100,000. Note that this is independent of the Penn State Scholarship Program to which AREVA and Westinghouse Electric Corporation are considering making sizable donations. A vote was held to decide the amount of money that the division would donate. A motion (by Muftuoglu) seconded (by

Vierow) passed for \$2,500 in a single payment. A motion to include this as a Division expenditure for 2009 was passed.

Action item: Vierow will email Bob Martin and Jack Brenizer, Chair of the Penn State University nuclear program, to report the Division's suggested donation and to inquire about the logistics of individual donations.

The meeting was adjourned at 6:30 p.m.

Minutes prepared by Hisashi Ninokata

ATTACHMENT A - D to the Minutes of the EC Meeting in the ANS 2008 Winter Meeting in Reno are eliminated.

ATTACHMENT D

Revenue		
Type	Item	
Member Allocation	\$2/THD Member	1,986
Carry Forward from 2007		14,430
Division Income from meeting revenue support	NURETH-12, Pittsburgh, October 2007	10,698
TOTAL REVENUE		27,114
Expenses		
Type	Item	
Awards, Plaques		1,342
National Meeting Costs	Meeting supplies for Nov. '08 meeting (\$65) + L. Hochreiter memorial (\$50)	115
Student Conference Support	Texas A&M Univ. meeting	2,500
Student Travel Support	June 08 Meeting	250
Student Travel Support	Nov. 08 Meeting	250
Scholarship/NEED	Scholarship (\$250) + NEED Program (\$250)	500
TOTAL EXPENSES as of 12/31/08		4,957
Balance as of 12/31/08		22,157