

Minutes of the Program Committee Meeting

**Thermal Hydraulics Division
American Nuclear Society 2009 Annual Meeting
Hyatt Regency Atlanta Hotel, Atlanta, Georgia
3:00 – 5:00 PM, Sunday, June 14, 2009
Courtland**

Attendees: Kurshad Muftuoglu (chair), Xiaodong Sun, Si Young Lee, Jong Kim, Hisashi Ninokata, Elia Merzari, DuWayne Schubring, Robert Martin, Yassin Hassan, Sama Bilbao y Leon, Brian Woods, Wade Marcum, Baris Sarikaya, Brian Jackson, Chang Oh, Karen Vierow, Steven Arndt, Shripad Revankar, Ben Nelson, Seth Cadell, John Luxat. (See Attachment A)

1. Opening (Kurshad Muftuoglu)

Kurshad called the THD Program Committee Meeting to order at 3:00 p.m.

2. Approval of Meeting Agenda (All)

The meeting agenda (Attachment B) was introduced and approved with the following modifications: an item is added as 4.e and labeled as “Screening Committee Nominations”. A new business item is added and concerns an inquiry on the possibility of submitting full-length papers to ANS meetings.

3. Minutes from November 2008 Winter Meeting (Hisashi Ninokata)

The meeting minutes from the winter 2008 meeting in Reno, NV (Attachment C) were approved as submitted.

4. Action Items from November 2008 Winter Meeting (Kurshad Muftuoglu)

a. NURETH-14 Solicitation (Joy Rempe)

This item is covered under item (b).

b. NURETH-14 Screening Committee Report (Chang Oh, Kurshad Muftuoglu)

Kurshad reported that the purpose of the Screening Committee was to review the proposals and provide a transparent evaluation to the Executive Committee, which in fact made the selection. Two proposals were submitted: an Italian proposal and a Canadian proposal. The results of the proposal scoring were very close. The Canadian proposal was selected and NURETH-14 will be held in Toronto.

Bob Martin inquired if the meeting was class I, out of concern about the financial stability of the THD. Kurshad answered that NURETH-14 will be a class II meeting and it will not generate directly any revenue for the Division. If the Canadian Nuclear Society (CNS) decides to donate part of the revenue to the ANS THD endowment fund, it would be their own act, there is no pre-arrangement or agreement regarding financial matters. Kurshad underscored that these points had no relationship with the selection of the CNS proposal. Kurshad also pointed out that, even though the solicitation had been sent out to the Local Sections, no US bid was received for NURETH-14.

Chang Oh pointed out that no direct transfer of funds was possible between the THD and CNS, only private donations were possible as in the case of NURETH-10 in Seoul, Korea. Bob Martin suggested that it would be desirable to have written confirmation from ANS concerning these issues. Chang Oh pointed out that dwelling on these issues was not in the interests of the THD.

Karen Vierow informed the committee that the Division Chair and Treasurer do not have access to any record of the endowment fund donations or balance. A better accounting would be desirable to be insured from any inadvertent loss of funds.

Kurshad reiterated that the selection of a conference had nothing to do with any lateral revenue-sharing agreements. The criterion regarding the financial category was the cost-effectiveness of the proposal for the attendees.

Chang Oh reiterated that the CNS proposal had been selected after a screening process. The Screening Committee evaluated both the Italian and Canadian proposals for 11 criteria. The margin was very close but the Canadian proposal was selected as reported by Kurshad.

The original CNS proposal indicated two possible dates for the conference: October 2-6, 2011 (preferred) and September 25-29, 2011 (alternate). Since the first dates were less than four weeks before the 2011 ANS Winter Meeting (October 30-November 3), the NPC indicated approval only if the second dates were chosen. The proposal was revised to include the alternate conference dates of September 25-29, 2011 and 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.

Chang Oh reported that he complained in the PDC meeting that the behavior of NPC in this regard was inconsistent.

c. NURETH-15 proposal (Chang Oh)

Chang Oh expressed a concern that Division member's names had been used without permission in an Indian proposal for NURETH-15. Moreover several members had received e-mails from supposed organizers. Chang Oh had sent an e-mail to the authors of the bid and encouraged them to participate in ANS EC-PC meetings if their interest was genuine. Bob Martin underscored that whoever organizes NURETH must participate to ANS meetings and NURETH conferences by submitting papers.

d. NUTHOS-8 Planning (Jong Kim)

Skipped, discussed in Item 9.

e. Screening Committee Nomination (Chang Oh)

Chang Oh reported that the ad-hoc Conference Selection Committee has been reconstituted with the following members to screen future NUTHOS and NURETH conference proposals:

Randy Gauntt from Sandia National Laboratory

Qiao Wu from Oregon State University

Jong Kim from KAIST and EPRI (Chair)

Steven Arndt from NRC

Mike Podowski from RPI

Kurshad reminded that the screening committee objective was to evaluate the conference proposals and not to select them. Jong Kim asked what kind of criteria should be used in the evaluation of the conference proposals.

Action: Kurshad will send to Jong Kim the evaluation criteria used for NURETH-13.

5. Session Status of 2009 Annual Meeting in Atlanta (Kurshad Muftuoglu)

Kurshad reported that Xiaodong Sun represented the THD at the NPC meeting in Chicago, IL on February 9-10, 2009. The COS system with a THD PC chair account (pcchair@thd-ans.org) was used for its efficiency. The account is still active and will be used for future meetings.

Attachment D is a summary of the THD sponsored sessions, prepared by Kurshad and distributed during the PC meeting.

Kurshad also pointed out that there were a record number of THD summaries submitted for the 2009 ANS Annual Meeting. 48 summaries were in fact received, the largest number among all divisions. Seven summaries were accepted without further

comments; 38 were accepted with revisions and 3 were rejected unless revised. However, 5 summaries were withdrawn, resulting in a total number of 43 summaries. Overall, despite initial concerns, there had been very good reviewer participation. All papers received adequate review on a timely basis. All papers received at least 2 reviews. 24 papers received more than 4 reviews, and 6 papers received 6 or more reviews.

Shripad asked if there was a way to direct more reviews to the papers that needed it, 6 reviews on a single paper seemed excessive. Kurshad indicated that the current way to handle the issue is to send periodic reminders on papers that needed reviews. Kurshad also reiterated that all papers had received an adequate amount of reviewing and that it was unavoidable that some papers would catch more attention than others.

Kurshad also pointed out that this year the reviewing system had been changed. In particular, reviews by others were not accessible to reviewers. Kurshad underscored that the quality of reviews seemed to be improved.

There were more than 190 review recommendations (a record for our division) from 25 reviewers. A steep increase was registered from Reno and Anaheim (with respectively 73/11 and 89/19).

At the 2009 ANS Annual Meeting, there were 8 THD sponsored sessions:

- Computational Thermal Hydraulics I and II;
- General Thermal Hydraulics;
- General Two-Phase Flow;
- Rod Bundle Thermal Hydraulics;
- Severe Accidents and Fluid-Structure Interaction;
- Thermal Hydraulics of Advanced Reactors;
- Thermal Aspects of Nuclear Material Handling and Environmental Monitoring.

Due to the limited amount of slots, two sessions were scheduled to be held in parallel, specifically, sessions on *Rod Bundle Thermal Hydraulics* and *Severe Accidents and Fluid-Structure Interaction*.

Kurshad pointed out that it was an ANS policy to have a high turnover on session chairs. He emphasized that participation in reviews was a good way to justify session chair assignments. Moreover it was a good way to involve new people.

6. 2009 Winter Meeting Program 2009 (Kurshad Muftuoglu)

Kurshad reported that there would be 5 sessions in the 2009 Winter Meeting Program 2009:

- Special Session on Research Contributions of Prof Larry Hochreiter [All Invited]: Martin and Frepoli
- General Thermal Hydraulics (also includes General Two-Phase Flow & Computational Thermal Hydraulics): Hassan, Vierow, and Woods
- Panel on Status of Next Generation Nuclear Plant: Oh and Sun
- Fundamentals of Multi-Phase Flow: Podowski, and Kim (Seungjin)
- Panel on 10CFR50.46 LOCA Criteria Revision: Muftuoglu and Yueh

As of June 14, 2009, the abstract submission deadline had already passed, but will probably be extended. The NPC meeting will be held in Chicago July 13th. The “real” deadline is the Friday before that date (July 10th).

Kurshad pointed out that the review effort will be focused in the week of July 2-10. The COS system was still open but no review functions were yet available as of June 14. The first session is all-invited and will be coordinated by Bob Martin.

The ANS Award Session will be held in the Tuesday PM session and hopefully the TAA to Prof. Hochreiter (2008 TAA) could be given to the family of Prof. Hochreiter in this meeting (due to the unavailability of the family in the last meeting).

Action: Bob Martin was asked to make sure beforehand if the family would be available, maybe checking with Fan-Bill Cheung.

Kurshad pointed out that the names of the panelists should be finalized by July 13th (NPC meeting), and the division chair will send the invitation letters.

Action: Chang Oh and Kurshad need to send the letters, signed by the division chair, before July 13th.

7. 2010 Annual Meeting Program 2009 (Kurshad Muftuoglu)

Kurshad informed the committee that he would serve as the TPC chair for the meeting. The meeting will have 3 embedded topical meetings: ICAPP 2010, 2nd International Meeting on the Safety and Technology of Nuclear Hydrogen Production, and Nuclear Fuels and Structural Materials for the Next Generation Nuclear Reactors.

Kurshad reported that in addition to the standing sessions such as General Thermal Hydraulics, Computational Thermal Hydraulics and General Two-Phase Flow, special sessions should be encouraged. Kurshad pointed out that a summary for each session needs to be ready by July to be included in the call for papers.

Bob Martin proposed an AP1000 special session but the timing did not seem good. A possible alternative would be to schedule such a session in the 2010 Winter Meeting.

Sama Bilbao y Leon proposed that the THD organize a tutorial session on a specific technique. Such a session would be considered as an invited session and not a workshop and would avoid the drawbacks of a workshop (lower limit on the number of attendants, additional fee on the attendees). Other divisions and societies have experimented with the idea successfully.

Steven Arndt suggested a tutorial on scaling techniques. Kurshad welcomed the idea and suggested that Shripad and Pradip Saha organize it.

Action: Shripad was asked to organize the session.

Bob Martin proposed a panel on the Reg Guide 1.157 upcoming revisions. It will be organized by Kurshad, Bob Martin and Steve Bajorek.

Chang Oh and Karen Vierow proposed a session on the Thermal Hydraulics of VHTR. It would be organized by Karen Vierow and Chang Oh.

8. NURETH-13 status (Hisashi Ninokata)

Hisashi Ninokata reported the current status of the NURETH-13 preparations. Latest statistics are: 344 draft papers submitted for review; 52 draft papers to be submitted for review; 2 draft papers waiting for reviewer assignment; 1 draft papers waiting for review; 77 draft papers waiting for review and 264 draft papers reviewed (finished).

Hisashi solicited volunteers as topic organizers. Such organizers will play an important role in solving eventual author/reviewer disputes. He also made a solicitation for candidates for keynote and plenary speakers. Keynotes and plenary papers will receive only a format review. Moreover he mentioned that funding is available to sponsor young researchers who submit research papers and recommendations were welcome from the THD. The students and young members should be from Southeast Asia and Africa. The conference hopes to be able to make ten awards.

Hisashi reminded the committee that a memorial session for Prof. Akiyama will be organized. An award session will also be organized.

9. NUTHOS-8 Solicitation (Jong Kim)

Jong Kim reported that the Chinese Nuclear Society has submitted a bid for NUTHOS-8, was and this is the only bid received as of June 14, 2009. The proposed dates are October 10-13, 2010 (less than 4 weeks before the 2010 ANS Winter Meeting). Questions were raised about NPC approval. The organizers appeared to have a strong utility support. The dates chosen were motivated by the presence of several events

scheduled in Shanghai in September-October 2010 (the selected dates are the most cost-effective for an eventual conference). The dates were therefore not really flexible.

Action: Kurshad was asked to present this NUTHOS-8 proposal to the NPC meeting to obtain its approval.

Jong pointed out that he discussed with the organizers the need to receive at least 300 papers (a guideline for having a successful conference). He did not receive any reply yet. The Chinese organizers will present Form 4 (for a Class IV meeting) soon. The Conference Selection Committee had just started the evaluation process and it will report to the Executive Committee.

Action: Jong Kim is to discuss the Chinese bid for NUTHOS-8 with the Conference Selection Committee.

10. NURETH-14 Update (John Luxat)

John Luxat reported that the NURETH-14 organization committee was in the process of forming the committees and finalizing sponsor agreements. The preliminary call for papers has been issued. The conference is expected to attract 350-400 attendees.

11. Old Business

None

12. New Business

Kurshad pointed out that he had received requests from members to introduce full-length papers to ANS meetings (proceedings publishing). The ANS has left the decision to the divisions. Several issues on logistics were raised. In the past, proceedings publication had been offered but abandoned for several reasons. Moreover full-length papers were available through NUTHOS, NURETH and ICAPP. Several committee members felt that the Honor and Awards Committee had enough materials to select from these topical meetings for Best Paper award.

In conclusions, no consensus was reached. Several members felt that journal paper submission should be encouraged rather than proceedings papers.

Rizwan Uddin asked the THD to endorse INREC'10, a conference to be held in Amman, Jordan March 21-24, 2010. The scope of the conference is not limited to nuclear applications. After the endorsement of the THD, the application for co-sponsorship (Form for Class IV meeting) will be sent for approval to the NPC steering committee. In the first draft of the program, no TH-related sessions are listed. Rizwan,

however, noted that the present program was preliminary and one or more TH sessions will be eventually added.

Jong Kim asked if Jordan has experience in organizing such a large size meeting. Rizwan confirmed that they have experience in organizing meetings but not of nuclear engineering. University of Illinois, Urbana-Champaign will be providing assistance in this regard. The decision on the endorsement was postponed to the EC meeting.

Before closing the PC meeting, a group of students were introduced who organized the 2009 ANS Student Conference held at the University of Florida. The chair of the conference expressed thanks for the THD support for student travel, especially in this time of economic recession. He reported that the conference was attended by a total of 538 with 5 international attendees. There were 139 student technical presentations with two thermal hydraulics sessions of an LWR track and an advanced reactor track.

Several members of the organizing committee for the 2010 ANS Student Conference (to be held at University of Michigan) asked for support to this student conference. There will be a strong focus on international outreach. Several workshops are anticipated (MCNP, scaling, ...). The students asked the THD to present proposals for workshops and for volunteers to serve as judges.

The meeting was adjourned at 5:10 p.m.

Minutes prepared by Hisashi Ninokata

ATTACHMENT A

Thermal Hydraulics Division Program Committee
 American Nuclear Society 2009 Annual Meeting
 Hyatt Regency Atlanta Hotel, Atlanta, Georgia
 3:00 – 5:00 p.m., Sunday, June 14, 2009
 Courtland

Attendance Signup Sheet

Name	Affiliation	Email	Phone	Signature
Kurshad Muftuoglu	GE Hitachi Nuclear	kurshad.muftuoglu@ge.com	910-819-4556	
Xiaodong Sun	Ohio State Univ	Sun.204@osu.edu	614-247-7646	
Si Young Lee	Savannah River National Lab.	si.lee@srnl.doe.gov	803-725-8462	
Jong Kim	EPRI/KAIST	jkim@epri.com	650-855-2671	
Hisashi Ninokata	Tokyo Inst Tech	hninokata@nr.titech.ac.jp	+81-3-5734-3052	
Elio Merzori	" " "	merzori@nr.titech.ac.jp	+81-90-3436-5581	
DuWayne Schubring	University of Florida	dschubring@ufl.edu	352-273-0306	
Robert Martin	AREVA	Robert.P.Martin@areva.com	434-832-2319	
Yassin Hassan	Texas A&M Univ	y-hassan@tamu.edu	979 845 7090	
SAMA BILBAO Y LEÓN	IAEA	S.BILBAO@IAEA.ORG		
Brian Woods	Oregon State U	brian.woods@oregonstate.edu	541-737-6335	
Wade Marcum	Oregon State U	marcumw@engr.orst.edu	541-737-7071	
BARIS SARIKAYA	GE-Hitachi	Baris.Sarikaya@GE.com	310-819-6056	
Brian Jackson	Oregon St. U.	jackson@engr.orst.edu	541-602-2314	
Chang Oh	INL	chang.oh@inl.gov	208-526-7716	
Karen Vierow	Texas A&M University	vierow@ne.tamu.edu	979-458-0600	
Steven Arnoldt	NRC	Steven.Arnoldt@nrc	301-415-6502	
SHRIPAD REVANKAR	PURDUE UNIV	shripad@com.purdue.edu	765-496-1782	

ATTACHMENT B

PROPOSED AGENDA

American Nuclear Society – Thermal Hydraulics Division
Program Committee Meeting
American Nuclear Society 2009 Annual Meeting
Hyatt Regency Atlanta Hotel, Atlanta, Georgia
3:00 – 5:00 PM, Sunday, June 14, 2009
Location: Courtland

1. Opening (Kurshad)
2. Approval of Meeting Agenda (All)
3. Minutes from November 2008 Winter Meeting (Hisashi)
4. Action Items from November 2008 Winter Meeting (Kurshad)
 - a. NURETH-14 Solicitation (Joy)
 - b. NURETH-14 Screening (Selection?) Committee (Chang)
 - c. NURETH-15 Proposal (Chang)
 - d. Future NUTHOS Organization Scheme (Jong)
5. Session Status of 2009 ANS Annual Meeting in Atlanta, GA (Kurshad)
6. 2009 ANS Winter Meeting Program in Washington DC (Kurshad)
7. 2010 ANS Annual Meeting Program in San Diego, CA (Kurshad)
8. NURETH-13 Status (Hisashi)
9. NUTHOS-8 Solicitation (Jong?)
10. NURETH-14 Update (Jovica)
11. Old Business (All)
12. New Business (All)

Minutes of the Program Committee Meeting

Thermal Hydraulics Division
2008 American Nuclear Society Winter Meeting
Grand Sierra Resort & Casino, Reno, Nevada
3:00 – 5:00 p.m., Sunday, November 9, 2008
Teton 1

~~Attendees: Xuedong Sun, Dong A. Bousmina, Jay Bousmina, Dawn Mervin, Ghone Oh, Beom
Chul Wood, Mike Anderson, Du Wayne Sathukirong, Ranjeet Singh, Rajeev Kumar,
Hisashi Ninokata, Yassin Hassan, Karen Vietow, Künshad Muftuoglu (Chair), Seungjin
Kim, Kent Welter, Heng Ban, Merzari Elia (same order as in Attachment A).~~

1. Opening

Muftuoglu called the THD Program Committee Meeting to order at 3:00 p.m. Immediately after the opening, members of Young Members Group (YMG) expressed their thankfulness to the THD for the support of Young Professional Thermal Hydraulics Research Competition and reported that three contributions were made in the program.

2. Approval of Meeting Agenda

The meeting agenda (Attachment B) was introduced and approved with minor corrections of NUTHOS-7 Update to NUTHOS-7 Wrap-up Report in the item 8.

3. Minutes from June 2008 Annual Meeting

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

4. Action Items from June 2008 Annual Meeting

a. NURETH-14 Hosting Plans

Muftuoglu reported that he had received so far two proposals from Canada and Italy for hosting NURETH-14.

Oh proposed that a process be defined for distribution of calls for NURETH host proposals to eliminate confusion on the outreach effort. Members decided to leave the matter until after the current distribution process was understood and the NURETH-14 selection process has been completed.

One of the proposals was submitted on time but appeared incomplete. The other proposal had not even been submitted at the time of the PC meeting, but it has key Division members listed among its conference officials and there was

concern that it may have had a potentially unfair advantage during preparation. Discussion ensued regarding resubmission of the incomplete proposal and the need to solicit new proposals in order to ensure a fair selection process.

The target screening date was previously announced as January 2009. To ensure calendar placement, it was agreed that this date should be maintained.

The screening committee members are Rempe, Cheung, Hassan, Muftuoglu, and Vierow.

Action item: Rempe will confirm to whom the NURETH 14 solicitation was sent. If it was distributed to ANS sections (domestic as well as international), the screening committee will review only the Canadian and Italian proposals. If distribution was not as expected, new proposals will have to be solicited on a very short time schedule. After the meeting, Rempe checked with ANS headquarters and learned that Revankar had sent the call for NURETH14 to ANS Headquarters, which had then distributed it to local sections in the US and to foreign sections registered with ANS.

Action item: The screening committee will review the proposals and make a recommendation to the Executive Committee.

b. Future NURETH Plans

Oh proposed that NURETH-14 be held in USA (or North America including Canada), followed by one outside the US (Europe or Asia), then in USA, every two years. The two proposals already received will be considered for NURETH-14.

Vierow presented an Indian proposal for NURETH-15. The proposers are requesting comments on this pre-proposal. Jong Kim stated that the Indian proposers had distributed NURETH-15 announcements with Division members listed as conference officials but without agreement of the members. Kim refused to allow comment on the proposal.

Oh stated that the Indian party had distributed an announcement that they were organizing NURETH-15 and that they did not follow ANS rules regarding announcement of their selection or conference organizers with consents. The deed was strictly against rules as well as against ethics. Several Division members were not aware of such advertisement. Oh mentioned that he would make a statement against the Indian deed and send a note to them but with some precautions so that the THD might not lose clients from India.

Kim (Jong) proposed that, since the recent NURETH and NUTHOS conferences are held regularly every two years, a constant pace should be maintained in the future having NURETH in odd years and NUTHOS in even years. The ANS

THD should play the same role for the NUTHOS conference as for the NURETH conferences. In doing so, the Division could have one strong THD topical meeting every year. PC members expressed the desire to cooperate, but also concern about the ability to support a conference every year. The differences between NUTHOS and NURETH (location, scope) were noted. No agreement was reached.

Podowski made a point that the NURETH series is and should be distinguished from the others by keeping its high technical quality of the conference. The unique aspects of the NURETH series should be better highlighted to potential participants. PC members were in unanimous agreement.

Action: Oh will email the India proposers regarding NURETH-15 submittal.

Note: Oh sent an email to NUTERTH-15 organizers in India addressing the division's concerns and there was no response from them as of December 4, 2008.

Action: Kim (Jong) will pursue establishment of an organization scheme for future NUTHOS conferences.

5. Session Status of 2008 ANS Winter Meeting in Reno, NV (Muftuoglu)

Muftuoglu reported on the status of the THD sessions in the 2008 ANS Winter Meeting. There are a total of six sessions, including an Award Session in the memory of Prof. Larry Hochreiter, in the meeting as follows and detailed in Attachment D. He also requested that more EC and PC members participate in the paper review process.

Session	# of Speakers	Time Slot	Chair(s)
Young Professional Thermal Hydraulics Research Competition	3	Monday p.m.	Sun
General Thermal Hydraulics	5	Tuesday a.m.	Muftuoglu
Computational Thermal Hydraulics	5	Tuesday p.m.	Woods, Powers
Award Session in the Memory of Professor L Hochreiter	2	Tuesday p.m..	Hassan
General Two-Phase Flow	6	Wednesday a.m.	Muftuoglu
Thermal Hydraulics of High-Temperature Gas-Cooled Reactor Technology	6	Wednesday p.m.	Oh, Arndt

6. 2009 ANS Annual Meeting Program in Atlanta, GA (Muftuoglu)

Proposed technical sessions are:

- General Thermal Hydraulics: Hassan, Cheung and Kim (Jong)
- Rod Bundle Thermal Hydraulics : Kim (Seungjin) and Ninokata
- Thermal Hydraulics of Advanced Reactors: Woods, Hassan and Sama-Bilbao
- Computational Thermal Hydraulics: Muftuoglu, Guillen and Luxat
- General Two-Phase Flow: Sun, Kim (Seungjin), and Saha
- Severe Accidents and Fluid-Structure Interaction: Guillen, Rempe, Vierow, and Unal
- Thermal Aspects of Nuclear Material Handling and Environmental Monitoring: Lee and Oh

For further details, see a summary report distributed at the meeting (Attachment D)

7. 2009 ANS Winter Meeting Program in Washington DC (Muftuoglu)

Proposed technical sessions are:

- Special Session on Research Contributions of Prof Larry Hochreiter [All Invited]:
 - General Thermal Hydraulics (also includes General Two-Phase Flow & Computational Thermal Hydraulics): Hassan, Vierow, and Woods
 - Panel on Status of Next Generation Nuclear Plant: Oh and Sun
 - Status of Multi-Phase Flow: Podowski, and Kim (Seungjin)
 - FR50.46 LOCA Criteria Revision: Muftuoglu and Yueh
 - General Two-Phase Flow & Computational
 - Panel on Status of Next Generation Nuclear Plant
 - Fundamentals of Multi-Phase Flow
 - Panel on 10C

Wrap-up Report (Oh and Jong Kim)

Oh and Jong Kim reported that 210 papers had been presented at the 2009 ANS Winter Meeting Conference which had been attended by 260 participants. A more detailed report will be made and sent to the THD shortly. A memorial session for the late Professor Larry Hochreiter was organized during the Conference and the photos from this session was put into an album to be sent to Professor Hochreiter's family.

Update (Ninokata)

Ninokata provided an update on meeting preparations. The ANS final approval of the program was obtained at the National Program Committee this July. As of November 15, 2008, 100 abstracts have been received. This number is supposed to be good for the deadline of abstract submission December 31, 2008. However, there are still a few contributions from industry are few and more efforts should be made to increase participation from this sector. Since the NURETH conference has a rigorous review by three reviewers per paper, NURETH-13 should be able to handle the target number of paper contributions is 250 to 300. This requires about 750 to 900 reviewers in total. In this regard, TPC members will be asked to review as many papers as possible.

8. NUTHOS-7 Wrap-up Report

On behalf of Sun, the NUTHOS-7 wrap-up report will be a detailed report will be made to the late Professor Larry Hochreiter's family.

9. NURETH-13 Update

Ninokata provided an update on meeting preparations. The ANS final approval of the program was obtained at the National Program Committee this July. As of November 15, 2008, 100 abstracts have been received. This number is supposed to be good for the deadline of abstract submission December 31, 2008. However, there is a concern that the number of contributions from industry is a concern that more efforts should be made to enhance participation from this sector. Since the NURETH conference has a long history of rigorous review by three reviewers per paper, NURETH-13 should be able to handle the target number of paper contributions is 250 to 300. This requires about 750 to 900 reviewers in total. In this regard, TPC members will be asked to review as many papers as possible.

Most of the EC members are a member of the NURETH-13 International Steering Committee. It was suggested to let the members have access to the TPC data base including the abstracts, TPC member list, etc. that are relevant to session organizing efforts. In the near term, efforts will be initiated to develop the design of plenary and keynote sessions.

10. Old Business

None.

11. New Business

None.

The meeting was adjourned at 5 p.m.

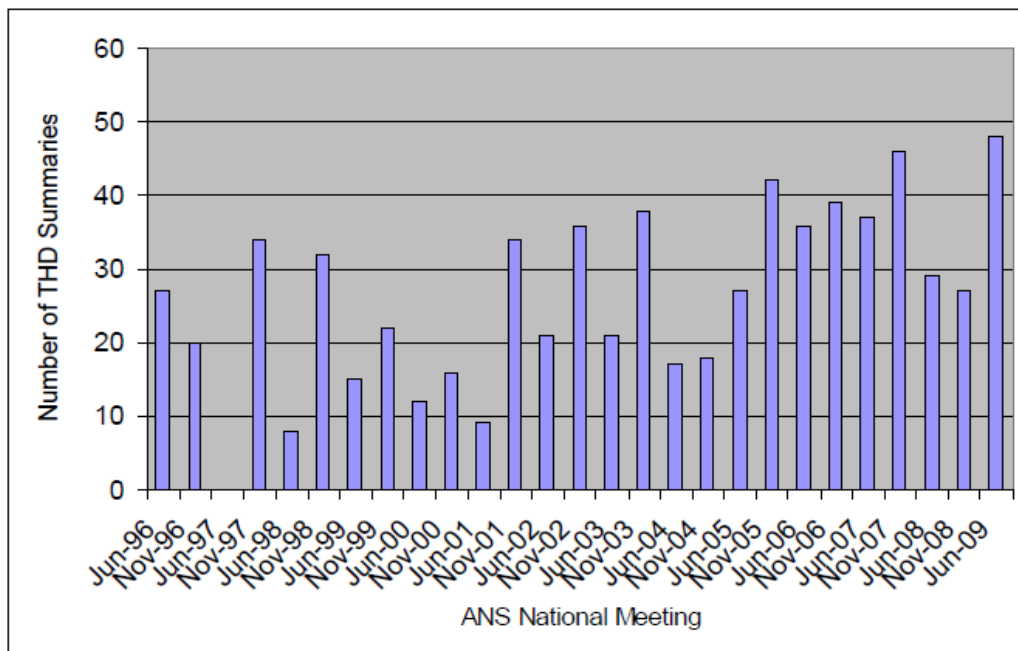
Minutes prepared by Hisashi Ninokata

Attachments A-D to the PC meeting (November, 2008) minutes are eliminated.

ANS 2009 Annual Meeting, Atlanta GA

Prof. Xiaodong Sun represented the division at the National Program Committee (NPC) meeting at Chicago, on February 9-10, 2009. He deserves the recognition and the biggest credit for his participation and his help in finalization of the session. We have continued to use the COS system with a designated THC PC Chair account, allowing most efficient way to coordinate the reviews. The "pcchair@thd-ans.org" email address is also being monitored by both of us. Prof. Sun and I are using this address for all communication regarding the THD sessions.

There were a record number of summaries submitted for THD sessions. We have received total of 48 summaries. This number is a THD record for a *summer* meeting and it is also the largest among all divisions for this meeting.



Seven of these summaries were accepted without further comments, 38 were accepted with revisions, and 3 were rejected unless revised (one being a formatting issue). However, five of the summaries were withdrawn from the meeting (1 R/R and 4 A/R), resulting in total number of 43 summaries.

Overall, we had very good participation in the reviews and good session organizer efforts. All the papers received adequate review on a timely basis. The distribution is as follows:

- 24 2-3 reviews
- 18 4-5 reviews
- 6 6+ reviews

There were more than 190 review recommendations (also a record!) that needed to be coordinated from 11 reviewers. This is an improvement compared to Reno meeting.

Most recent reviewer participations were as follows:

Atlanta	191 reviews from	25 reviewers
Reno	73 reviews from	11 reviewers
Anaheim	89 reviews from	19 reviewers.

Following individuals contributed to the reviews of Reno summaries:

X. Sun	20
K. Muftuoglu	13
S. Revankar	13
S. Kim	12
T. Marshall	11
J. Luxat	10
U. Shoop	10
S. Bilbao	8
S. Bajorek	7
K. Vierow	7
B. Cheung	6
D. Guillen	6
S. Lee	6
H. Ninokata	6
S. Arndt	5
C. Tzanos	5
D. Aumiller	4
J. LeCorre	4
P. Saha	4
C. Unal	4
J. Watson	4
C. Oh	3
J. Rempe	3
B. Sarikaya	3
B. Woods	3
R. Taleyarkhan	2

There still remain some PC and EC members who are not actively participating in the reviews.

There are total of 8 sessions, including a half-length session, in the meeting. These are:

Session	# of speakers	Time Slot	Chairs
Computational Thermal Hydraulics—I	5	Mon. p.m.	B. Woods
General Thermal Hydraulics	7	Tues. a.m.	Y. Hassan
Computational Thermal Hydraulics—II	6	Tues. p.m.	B. Sarikaya
General Two-Phase Flow	6	Wed. a.m.	X. Sun
Rod Bundle Thermal Hydraulics	5	Wed. p.m.	H. Ninokata S. Kim
Severe Accidents and Fluid-Structure Interaction	5	Wed. p.m.	S. Bilbao y Leon
Thermal Hydraulics of Advanced Reactors	4	Thurs. a.m.	K. Vierow
Thermal Aspects of Nuclear Material Handling and Environmental Monitoring	5	Thurs. p.m.	C. Oh S. Y. Lee

All the sessions will be held in “Dunwoody”, except for the severe accidents session, which will be held in “Kennesaw”. During the reviews, we have asked for participant confirmation to serve as a session chair. Only five people responded.

K. Muftuoglu
PC Chair