

**Minutes of the Program Committee Meeting
ANS Thermal Hydraulics Division**

**2006 ANS Winter Meeting
Albuquerque Convention Center
Albuquerque, New Mexico
3:00 –5:00 PM, Sunday, Nov. 12, 2006
Acoma Room**

Attendees: Kurshad Muftuoglu, Larry Hochreiter, Chang Oh, Cesare Frepoli, Whee Choe, F. Bill Cheung, Jong Kim, Cetin Unal, Dana Powers (NISD Liaison), Brian Woods, Donna Guillen, Jose Reyes, Joy Rempe, Yassin Hassan, T. K. Larson, Steven Arndt, Karen Vierow, Don Todd, Hisashi Ninokata (same order as in Attachment A)

1. Opening

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

2. Approval of meeting Agenda

The meeting agenda was introduced (Attachment B) and was approved as amended to correct “1:00-3:00” to “3:00-5:00” and “June 4” to “Nov. 12, 2006”. Item 6 was changed from “2006 ANS Annual Meeting (Boston) to “2007 ANS Annual Meeting (Boston)”.

3. Minutes from June 2006 Annual Meeting

The meeting minutes from the June 2006 meeting (Attachment C) in Reno, NV were approved.

4. Action items from June 2006 Annual Meeting

Regarding the proposed special session recognizing Dr. Ishii at the 2007 ANS Annual meeting in Boston or at NURETH, Bill Cheung reported that such a session will not be held at this time. There are other distinguished researchers such as Neil Todreas who will also be in attendance and holding a session for Dr. Ishii may present complications.

5. Session Status of 2006 ANS Winter Meeting (Albuquerque)

Kurshad reported that the division had a record number of abstracts (40). The papers were divided into 6 sessions. There were also a large number of rejections (6) because of formatting issues.

6. 2007 ANS Annual Meeting (Boston)

Proposed technical sessions are:

1. Computational Thermal Hydraulics – Guillen, Vierow, Hassan
2. General Thermal Hydraulics – Hassan, Sun, Vierow, Rempe, Arndt
3. Uncertainty Treatments in Nuclear Science and Engineering – Martin, Unal, Muftuoglu
4. Thermal Hydraulics of Steam Generators – Woods, Riznic, Reyes
5. Thermal Hydraulics of Gen-IV Reactors – Oh, Revankar, Suh, Cheung, Todd

7. 2007 ANS Winter Meeting Program (Washington DC)

Proposed technical sessions are:

1. Research Needs and Current Developments in Best Estimate Computational Thermal Hydraulic Codes, Paper session – Muftuoglu, Woods
2. Research Needs and Current Developments in Best Estimate Computational Thermal Hydraulic Codes, Paper session, Panel session – Hochreiter, Frepoli
3. Young Member Paper Competition – Todd, Unal
4. General Thermal Hydraulics – Marshall, Hassan, Reyes
5. co-sponsor of a Multiphysics session – Guillen, Larson
6. General Two-Phase Flow – Vierow, Rempe
7. Thermal Hydraulic Research Needs for GNEP – Larson, Sun, Unal, Suh

Action Item: Organizers of newly proposed sessions must send Kurshad a 100-word abstract.

8. NURETH-12 Update

The abstract deadline is in December. Kurshad reported that there are currently too few papers. He requested that we submit papers as soon as possible.

Action item: Kurshad will send a general email on the Call for Papers to potential participants and encourage the TPC by email to solicit papers.

The TPC consists of 53 members from 12 countries.

Action item: Kurshad requested that PC members look at the list on the website and suggest international (outside of US) names.

Action item: Kurshad will send an invitation letter to PC members, and we will forward it to potential attendees.

9. NURETH-13 Solicitation Proposals

ANS will send our invitation letter for potential hosts to all sections.

The EC will form a screening committee to evaluate proposals. A proposal from Japan has not yet been submitted although intentions were made at previous THD meetings that they intend to submit.

Action item: The THD should solicit proposals from other countries.

10. Publication of NURETH Papers/Relations with NED

Past status: ANS is given the first right of refusal to publish NURETH papers. ANS journals have first dibs on Class 1 conferences for a certain period of time, after which the authors are free to publish unselected papers elsewhere.

Current issues: Wolfgang Wulff claims there is an agreement between all NURETH conferences and journals to publish without further review. His NURETH-11 paper received review comments from NED, and this may be a reason for his dissatisfaction with the current publication process.

Kurshad: the NURETH organizers will approach NS&E (Dan Cacuci, editor) about a special edition. NT (Nick Tsoulfanidis) is responsive to a special edition.

Larry and Kurshad will draft the NS&E request to show Joy and Mary Beth Gardner (ANS staff on publications). Then he will talk with Dan Cacuci.

Note from the secretary: This issue was resolved during later meetings and emails between the NURETH organizers, journal editors and ANS Publication staff.

11. Old Business

A response is owed to Bob Leyse on his NURETH submittal.

12. New Business

Dana Powers introduced the Best Estimate '08 conference and encouraged participation by THD.

The meeting was adjourned at 5:00 pm.

Minutes prepared by Karen Vierow

AMERICAN NUCLEAR SOCIETY - THERMAL HYDRAULICS DIVISION
PROGRAM COMMITTEE MEETING

3:00 - 5:00 PM Sunday Nov. 12, 2006 'Acoma'

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PROPOSED AGENDA

American Nuclear Society – Thermal Hydraulics Division

Program Committee Meeting

**Albuquerque Convention Center
Albuquerque, New Mexico**

1:00 – 3:00 PM, Sunday, June 4

Location: Acoma

- 1. Opening**
- 2. Approval of Meeting Agenda**
- 3. Minutes from June 2006 Annual Meeting**
- 4. Action Items from June 2006 Annual Meeting**
- 5. Session Status of 2006 ANS Winter Meeting (Albuquerque)**
- 6. 2006 ANS Annual Meeting (Boston)**
- 7. 2007 ANS Winter Meeting Program (Washington D.C.)**
- 8. NURETH-12 Update**
- 9. NURETH-13 Solicitation/Proposals**
- 10. Publication of NURETH Papers/Relations with NED**
- 11. Old Business**
- 12. New Business**

**Minutes of the Program Committee Meeting
ANS Thermal Hydraulics Division**

**2006 ANS Annual Meeting
Reno Hilton, Nevada
2:00 –4:00 PM, Sunday, June 4, 2006
Crystal Room 5**

Attendees: Kurshad Muftuoglu, Chang Oh, Joy Rempe, Cetin Unal, Gary Wilson, Jose Reyes, Shripad Revankar, Jong Kim, Steven Arndt, F. Bill Cheung, K. Suh, Yassin Hassan, Jovica Riznic, Brian Woods, Robert Martin, Karen Vierow, Hisashi Ninokata (the same order in Attachment A)

1. Opening

Kurshad Muftuoglu called the THD Program Committee Meeting to order at 2:03 p.m.

2. Approval of meeting Agenda

The meeting agenda was introduced (Attachment B) and was approved as amended to correct “2006 Winter Meeting” to “2005 Winter Meeting.”

3. Minutes from November 2005 Winter Meeting

The meeting minutes from the November 2005 meeting in Washington DC were approved as amended to the statement described in section of 4-b.

4-b: The adhoc committee on professional workshop has not made any progress. A general workshop is a good idea. Gary Wilson (webmaster for the Nuclear Installations Safety Division (NISD)) indicated that the NISD is planning a large scale accident-related workshop. The NISD is looking at a co-sponsoring opportunity with THD. General consensus is that workshop should be fully subsidized. Workshop is new to THD. However, THD needs to plan a number of workshops in 2007-2008 timeframe.

4. Action items from December 2005 ANS Winter Meeting

4-e. Nuclear Hydrogen Technical Group

Shripad and Chang talked with one member of the working hydrogen group in Washington DC last year. Shripad reported “draft call for papers” for the ANS Embedded Topical Meeting scheduled for June 24-28, 2007 – Boston Massachusetts. Full, peer –reviewed papers will be both stimulated and invited. 400-600-word summaries are due by January 5, 2007 with the final manuscript due by March 15, 2007.

Non-action item:

Jasmina Vujic, the technical program chair of the 2007 Joint International Topical Meeting on Mathematics & Computations and Supercomputing in Nuclear Applications (SNA), presented the 2007 SNA which will be held in April 15-19, 2007 at Monterey Marriott Hotel, California. Papers are solicited in a total of eight topical fields related to high performance computing, computational methods, and system analyses. Detailed information is shown at <http://mc-sna07.nuc.berkeley.edu>. SNA requested that the THD consider co-sponsoring this topical meeting.

4. Session Status of the 2006 ANS Annual Meeting (Reno)

Kurshad reported that THD has the highest number of summaries (35), surpassing the RPD (32) and NISD (32). Six summaries were accepted as submitted, twenty eight summaries were accepted with revisions, and three summaries were rejected unless revised. After the first review process, two papers were withdrawn. A total of thirty-five papers, the highest recorded for an ANS Annual Meeting, were divided into six sessions with one session of space nuclear cancelled. This year, Kurshad requested larger rooms for the THD sessions and allocated 25 minutes presentation times (except for the Nuclear Hydrogen Session in which presentations were limited to 20 minutes).

5. Review of Session Assignments and Feed back

Kurshad reported that he tried to allocate all THD sessions close together as originally proposed and planned.

6. 2006 ANS Winter Meeting (Albuquerque)

Proposed technical sessions are:

1. Severe accident phenomena and code development; Rempe/Vierow/Suh
2. General Thermal Hydraulics; Hassan/Cheung/Shoop
3. General Two-Phase Flow; Revankar/Sun/J. Kim
4. Panel Discussion on Thermal Hydraulic Limits for Gen-IV Reactors; Hochreiter/Oh/Suh
5. Computational Thermal Hydraulics; Hassan/Ninokata/Todd
6. Thermal Hydraulic Advanced Systems; Martin/El-Genk/Larson

Kurshad commented that all topics are good. However, as of May 31, only three abstracts were submitted for THD sessions.

Bob Martin indicated that Randy Gauntt wants to have a two-day MELCOR workshop at the 2006 ANS Winter Meeting, possibly Thursday and Friday prior to the Meeting. He will ask Randy to check the ANS rules and guideline.

Action Item: Gary Wilson will seek a potential co-sponsorship with NISD.

Bob Martin will make sure that the workshop will follow the guidelines.

7. Update on Session Organizer Participation

Kurshad thanked those who reviewed the papers submitted to THD sessions with an acknowledgement that some reviewer's names were omitted in the email sent out to us. He also indicated that if all PC members participate in the reviews, only two to three papers can be reviewed by each member

8. 2007 ANS Annual Meeting (Boston)

Kurshad received an email from Prof. Sun at the Ohio State University who proposed a special session by the ANS Thermal Hydraulics Division, dedicated to Professor Ishii for his 65 birthday and his contributions in the area of Thermal Hydraulics and Reactor Safety. There was some discussion as to whether this would be appropriate and whether the venue should be at the 2007 ANS Annual Meeting in Boston or at NURETH-12.

Action Item: Bill Cheung will discuss this proposed session with Professor Ishii.

Proposed technical sessions for the 2007 ANS Annual Meeting in Boston are:

1. Computational Thermal Hydraulics; Guillen/Vierow/Hassan
2. General Thermal Hydraulics; Hassan/Sun/Vierow/Rempe/Arndt
3. Uncertainty Treatments in Nuclear Science and Engineering; Martin/Unal/Muftuoglu
4. Thermal Hydraulics of Steam Generators; Woods/Riznic/Reyes
5. Thermal Hydraulics of Gen-IV Reactors; Oh/Revankar/Suh/Cheung/Todd

Action Item: Organizers of newly proposed sessions [i.e., the Uncertainty Treatment session (Martin et al) and the Steam Generator session (Woods et al)] must send Kurshad a 100-word abstract.

9. NURETH-12 Update

With regard to journal publication of selected papers from NURETH-12, discussions were made about which journals those papers will be published in. Nuclear Technology is the ANS journal with a page charge and Nuclear Engineering and Design is published by Elsevier with no page charge. Because NURETH-12 is a Class 1 conference, ANS owns the copyrights for NURETH-12 papers and has the first-rights for publishing. Consensus was to seek publishing NURETH-12 papers in three journals (Nuclear Technology, Nuclear Engineering and Design, and Nuclear Engineering and Technology). Bill Cheung suggested that authors can be asked to decide where they wish to publish among those journals THD has selected. However, Joy Rempe noted that Nick Tsoulfanidis,

the editor of Nuclear Technology, prefers that special editions from conferences focus on topics (rather than containing a hodge-podge of papers on various topics).

Yassin Hassan reported on an email from Wolfgang Wulff regarding an agreement between THD, ANS, and NED, providing THD the right to use NED as its primary publication outlet.

Action Items: Kune Suh will inquire about the willingness of Nuclear Engineering and Technology to publish a NURETH-12 special edition, Joy Rempe will inquire about the willingness of Nuclear Technology to share NURETH-12 papers with two other journals (if the “best papers” are divided by topics).

Action Item (post meeting): Joy will investigate the situation and report back any resolution.

Kurshad reported that the registration fee for NURETH-12 is \$500 for early registration and the hotel room charge is \$139 plus tax. The hotel is located near a river and the riverboat dinner cruise will depart right in front of the hotel.

10. Old Business

No discussion.

11. New Business

Kune Suh is the technical chair of NUTHOS-7 which will be held in Korea, 2008. NUTHOS has been alternately hosted by Korea and Japan, and they will try to include China as a hosting country.

On NURETH-13 (2009), THD urges Japan to submit a proposal. Hishashi Ninokata indicated that the THD of AESJ (Atomic Energy Society of Japan) will submit the proposal.

Action Item: For the NURETH-13 solicitation, Kurshad will contact Martin Bertodano to get information on how the previous NURETH meeting solicitations were made. Kurshad will also draft a letter requesting meeting sponsorship for NURETH-13 and communicate that to the EC. The EC should then vote to have Kurshad distribute the final form of that request to potential sponsors.

Shripad Revankar will attend a newly formed hydrogen working group meeting on Monday.

The meeting was adjourned at 4:00 pm.

Minutes prepared by Chang Oh