

**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

Attachment - A

American Nuclear Society
THERMAL HYDRAULICS DIVISION
Program Committee Meeting

June 4, 2006 2:00-4:00
Hilton, Reno NV Crystal #5

<u>NAME</u>	<u>AFFILIATION</u>	<u>E-MAIL</u>	<u>PHONE</u>
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PROPOSED AGENDA

American Nuclear Society – Thermal Hydraulics Division

Program Committee Meeting

**Hilton
Reno, Nevada**

2:00 – 4:00 PM, Sunday, June 4

Location: Crystal #5

- 1. Opening**
- 2. Approval of Meeting Agenda**
- 3. Minutes from November 2006 Winter Meeting**
- 4. Action Items from November 2006 Winter Meeting**
- 5. Session Status of 2006 ANS Annual Meeting (Reno)**
- 6. Review of Session Assignments and Feedback**
- 7. 2006 ANS Winter Meeting (Albuquerque)**
- 8. Update on Session Organizer Participation**
- 9. 2007 ANS Annual Meeting Program (Boston)**
- 10. NURETH-12 Update**
- 11. Old Business**
- 12. New Business**

Twelfth International Meeting on Nuclear Reactor Thermal Hydraulics

NURETH-12

Sheraton Station Square - Pittsburgh, Pennsylvania, USA
September 30 - October 4, 2007

Key Dates

Electronic Submission of Abstracts

July 1 – December 31, 2006

Author Acceptance Notification

January 15, 2007

Submission of Full Papers

March 1, 2007

Comments to Authors

May 15, 2007

Final Papers Due

July 15, 2007

Author Registration Deadline

August 15, 2007

Early Registration and Hotel Reservation

by August 31, 2007

Organizers

General Chair

Lawrence E. Hochreiter (Penn State)

Assistant General Chair

A. Kurshad Muftuoglu (Westinghouse)

Technical Program Chair

Fan-Bill Cheung (Penn State)

Assistant Technical Program Chair

Karen Vierow (Purdue)

Steering Committee Chair

Jong Kim (EPRI)

Conference Topics

Two-phase Flow and Heat Transfer Fundamentals * Experimental Methods and Instrumentation
Boiling and Condensation Heat Transfer * Subchannel Thermal Hydraulics
Computational Methods and Code Development * Large-Scale Tests and Databases
Severe Accident Thermal Hydraulics * Operating Water Reactor Thermal Hydraulics and Safety
Advanced Water Reactor Systems and Thermal Hydraulics * Generation-IV Reactor Thermal-Hydraulics
High-Temperature Gas-Cooled Reactor Systems and Thermal Hydraulics
Thermal Hydraulics in Other Applications * Miscellaneous Subjects

Special Session

OECD/NRC Benchmark based on NUPEC BWR Full-Size Fine-Mesh Bundle Tests (BFBT)



For more information, visit the THD website at <http://thd.ans.org/> or contact:

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Selected Papers from the conference will be published in the special NURETH-12 issues of Nuclear Engineering and Design and Nuclear Technology journals.