

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

**2001 ANS Winter Annual Meeting  
Reno Hilton Hotel, Room N-4  
Reno, Nevada  
November 11, 2001**

**Attendees:** Martin Bertodano, Cetin Unal, Whee Choe, F. Bill Cheung, Jose Reyes, Gon Maxwell, Don Spellman, Dan Wachs, Joy Rempe, Robert Martin, Jose March-Leuba, Per Peterson, Jong Kim, Hisashi Ninokata, David Bessette, Soon Heung Chang, Won-Pil Baek, Jovica R Riznic, Undine Shoop, Sama Bilbao y Leon, Constantine Tzanos, Tom K Larson, Yassin A. Hassan

**Excused:** Necdet Kurul, Mike Podowski

**1. Opening**

The THD Program Committee Meeting was called to order by Martin Bertodano at 02:00 p.m.

**2. Agenda**

The proposed agenda was distributed and approved.  
(Please note that some new items were raised during the meeting).

**3. Minutes from the meeting of the NHTC, Anaheim Hilton Hotel and Towers, Anaheim, CA, June 10, 2001.**

The minutes were distributed and approved.

**4. Review of the Action Items of June 10, 2001 meeting**

**Old Action Item 3.1:** Mike Podowski sent a memo to Jong Kim to report on NHTC status. **Resolved.**

**Old Action Item 3.2:** F.B. Cheung reported on behalf of Larry Hochreiter: Sol Levy=s recollection about original agreement between ANS HQ and THD on NHTC:

A Sol Levy discussed the ANS participation in the NHTC with the ANS governing body.

The argument which was presented was that participation in the NHTC benefit the ANS and give the society additional stature that it otherwise not obtain in the thermal hydraulic community. Also, several ANS members were already submitting papers to the NHTC and if ANS participated as a co-sponsor, it could get credit for that work. To assure that ANS got credit, the ANS papers were bound in an ANS document.

The ANS governing body agreed to allow the ANS Thermal Hydraulic Division to participate in the NHTC under the ANS flag providing that the Thermal Hydraulic Division continue to sponsor THD papers at that meeting. At that time, the ANS THD agreed to this arrangement and the ANS THD began to actively participate in the NHTC with the other technical societies.≡

**Resolved**

**Old Action Item 1:** The following four sessions (with 35 papers in total) are included in the technical program of the 2001 ANS Winter Annual Meeting:

- a. General Two-Phase Flow (2 sessions)
- b. Computational Fluid Dynamics and Heat Transfer (2 sessions)
- c. Thermal-Hydraulics Code Development/ Applications 92 sessions)
- d. Thermal Hydraulics of Generation IV Reactors/ Nuclear Energy Research Initiative Project Summary Results

**Resolved**

**Old Action Item 2:** Per Peterson reported that France accepted, in principle, to host the NURETH-11. **Resolved**

**Old Action Item 3:** Robert Martin reported that the THD web page was updated.

**Resolved**

**5. Follow up on the letter to Jim Lake about NHTC**

Cetin Unal repeated some background information on this issue. The ANS by laws does not prevent the THD to hold the second annual meeting at the place of NHTC, providing this is convenient to the divisional membership. He believes we would not violate the ANS by laws by meeting at the place of NHTC. There was not an official response to his letter sent to Jim Lake. Intense discussion by several attendees took a place around the issue of meeting at the NHTC place and how to obtain a support from ANS HQ. All attendees basically supported THD participation in the NHTC. F. Bill Cheung motioned to accept and carry THD pursues for participation at the NHTC, on a year-to-year basis. Martin Bertodano seconded this. This means, THD will continue discussion with ANS governing body, and request their support for THD participation at the NHTC on a year-to-year basis.

## **CARRIED**

**New Action Item TPC2001W-01:** Jong Kim will provide TPC with an update on current activities of the National Heat Transfer Coordination Committee on reorganization of the NHTC.

### **6. Follow up on NURETH**

**6.1 NURETH-10:** Professor Soon Heung Chang of KAIST and Dr. Won-Pil Baek of KAERI distributed copies of the status report by the Korean Nuclear Society on planning activities for NURETH-10. Target dates and venue of the NURETH-10 have been set for October 5-9, 2003 in Seoul, Korea. They requested active participation of the THD membership in NURETH-10 committees, papers solicitation and in session organization, and in delivering plenary/ keynote lectures. In their proposal to the THD to host the NURETH-10, the Korean Nuclear Society committed to deliver the conference proceedings in both, hard bound and electronic CD- format. In the discussion that followed, the TPC members were unanimous to abandon hard copy and publish the NURETH-10 proceeding only on a CD. Attendees were very receptive of information that the Korean organizers committed to provide financial contribution to the THD in the amount of the greater of 40% of the net profit or US\$20,000.

T.K Larson presented information to Korean organizers that the ANS has developed capabilities to support web-based paper review fully, from the abstract receipt to the full text manuscript. Jong Kim mentioned that similar capabilities are available from ASME HTD. Per Peterson recommended a session(s) on the Generation IV Road Map be included in the NURETH-10 technical program. Attendees commended Korean organizers for good progress.

A temporary NURETH-10 web site available at:

<http://nuclear.kaist.ac.kr/nureth10>

### **6.2 NURETH-11**

Per Peterson reported that none of US local sections express the interest in hosting NURETH-11. Based on proposal for NURETH-10, France accepted, in principle, to host the next, NURETH-11 sometime in 2005.

In discussion that followed several attendees argued about the future of NURETH series of meetings. Should we continue to organize them independently or to have them embedded with the ANS annual conference? No decision has been made at this time.

### **7. 2002 ANS Annual Meeting (Summer) Program, June 9-13, 2002, Hollywood, FL**

The following sessions have been already announced in the call-for-papers for the ANS 2002 Annual Meeting, June 9-13, 2002, the Diplomat Hotel, Hollywood, Florida.

- 4h. Computational Fluid Dynamics and Heat Transfer (Dan Wachs and Jose Reyes agreed to act as the session lead organizers)
- 4i. General Two-Phase Flow (Yassin Hassan agreed to be the lead session organizer)
- 4j. Thermal Hydraulics of Generation IV Reactors (Karen Vierow was nominated, and Joy Rempe agreed to be the lead organizers).
- 4k. Thermal Hydraulics of Gas-Cooled Reactors (Alan Levin was nominated to be the lead session organizer)
- 4l. Thermal Hydraulics for Space Nuclear Power (Cetin Unal agreed to lead organizational effort for this session)

Martin Bertodano reported on potential problems and overlap in paper solicitation for THD sessions at the ANS 2002 Annual Meeting and for the Embedded Topical Meeting: International Congress on Advanced Nuclear Power Plants (ICAPP).

**8. 2002 ANS Winter Meeting, November 17-21, 2002 Washington, DC.**

Martin Bertodano expressed the need for THD to rethink and redefine its goals in regards of having technical sessions at the ANS national meetings. There is a need of more energetic and better structured approach to look further into the future, not necessarily to the next year meetings.

Undine Shoop suggested changing a title for a potential session on *A Generation IV Reactors* into more general *A Thermal Hydraulics of next Generation of Nuclear Reactors*.

It was agreed that the THD sponsor the following sessions at the ANS 2002 Winter Meeting:

- a. Computational Fluid Dynamics and Heat Transfer (Martin Bertodano and Nisashi Ninokata agreed to act as the session lead organizers)
- b. General Two-Phase Flow (F. Bill Cheung and Jovica R Riznic agreed to be the lead session organizers)
- c. Thermal Hydraulics of Next Generation of Nuclear Reactors (Yassin Hassan and Joy Rempe agreed to be the lead organizers)
- d. Thermal-Hydraulics Code Development/ Applications (Undine Shoop, Sama Bilbao y Leon, and Robert Martin agreed to be the lead session organizers)

**9. 2001 ANS Winter Meeting, November 11-15, 2001, Reno Hilton Hotel, Reno, Nevada**

This topic has been added to the agenda. T.K. Larson reported that encouraging number of 35 papers has been accepted for presentation in five sessions sponsored by THD. (For a list of sessions see the Item 4, above)

Per Peterson reported that the recipient of the THD Technical Achievement Award for 2001 is Professor Michael Corradini. His lecture has been scheduled for Tuesday, November 13 at 03:40 p.m.

**10. ANS Standards Committee**

This topic has been added to the Agenda during the meeting. Don Spellman and Gon Maxwell distributed copy of their presentation on AANS NFCS Standards. Due to insufficient time, Gon briefly introduced activities within the ANS NFCS (Nuclear Facilities Standards Committee). They invited the THD membership to get active in proposing and developing technical standards. T.K Larson mentioned that Bob Henry was involved in some standards development activities several years ago. Robert Martin suggested this issue be forwarded to the THD Executive Committee for detailed discussion.

**New Action Item TPC2001W-02:** Cetin Unal to raise this issue on the next EC meeting.

**11. Web Page Subcommittee Report**

Robert Martin reported that he has updated the division webpage

**12. Editorial Subcommittee Report**

No discussion on this issue

**13. Membership Subcommittee Report**

Robert Martin presented information that based on membership fund allocation; it appears that the division membership is at 799 members in 2001, up from 715 in 2000 (as of last count)

**14. New Business**

No discussion on this issue

**15. Adjourn**

The meeting was adjourned at 04:12 p.m.

**Prepared by:** Jovica R Riznic,  
THD Secretary, 2001-2002

**Appendix: Summary List of Action Items**

**New Action Item TPC2001W-01:** Jong Kim will provide TPC with an update on current activities of the National Heat Transfer Coordination Committee on reorganization of the NHTC.

**New Action Item TPC2001W-02:** Cetin Unal to raise the issue of THD participation in the ANS Standards Committee on the next EC meeting.