

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

**2006 ANS Winter Meeting  
Albuquerque Convention Center  
Albuquerque, New Mexico  
5:00 –7:00 PM, Sunday, Nov. 12, 2006  
Acoma Room**

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

1. Opening

Joy Rempe called the THD Executive Committee Meeting to order at 5:15 p.m.

2. Approval of meeting Agenda

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

3. Minutes from June 2006 Annual Meeting

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

4. Action Items from the June 2006 Annual Meeting

a. Bylaws & Rules Update

Joy reviewed the status of the bylaws and rules reporting that all divisions agreed to adopt the standard set of bylaws. However, the rules must also change. An EC vote is sufficient to adopt these. Joy brought up the option for THD to have a vote by general membership. The EC decided to accept the standard bylaws without a general vote.

*Action item:* Joy will revise the rules with input from Bob.

b. TAA Endowment Opportunity and National Recognition

Joy distributed the letter that was submitted to ANS Honors and Awards requesting elevation of the THD TAA to national award status (Attachment D).

As a member of ANS National Honors and Awards, Joy will present the letter to the committee. A special fund has been established to endow the TAA. It already has \$2500.

Note: The request to elevate the THD TAA to national award status was subsequently approved by the ANS H&A Committee and the ANS Board of Directors during the ANS Winter meeting.

5. Treasurer's report (Chang)

The division financial report is attached as Attachment E.

During the financial report, students from the 2007 ANS Student Conference to be hosted by Oregon State University presented conference plans. The conference will be held Mar. 29-Apr. 1, 2007. The students requested THD support by:

- financial contribution from the division
- judges for technical sessions
- hosts for booths at a career fair

The THD voted to donate \$3,000. Excerpts from the pamphlet soliciting support are attached in Attachment F.

6. Program Committee Report

Kurshad mentioned that he obtained an updated email list from ANS.

The division had 7 sessions at Albuquerque and a record number of papers.

Five sessions are planned for the Boston meeting and the division is co-sponsoring 4 sessions. The submittal deadline is January 12, 2007.

a. NURETH-12 report

To date, only 10 abstracts had been submitted.

*Action item:* EC members are requested to submit as soon as possible.

A template is in place for submittals to host NURETH-13 (2009). A motion was passed for Kurshad to move forward with solicitation of hosts.

The NURETH-13 Screening Committee was voted as:

Chair: Joy. Members: Bill, Don, Kurshad, Yassin

Hisashi stated that Japan would like to host NURETH-13 in the historical town of Kanazawa.

b. MELCOR workshop

The MELCOR workshop was cancelled due to low enrollment.

c. NUTHOS-7

Jong announced that the 2008 NUTHOS-7 conference TP Chair is Kune Suh. Jong was unsure of the location.

*Action item:* Jong will request that Kune sends a conference summary to THD.

d. New PC members

Four new members were voted into the PC:

- Cesare Frepoli
- Donna Guillan
- Xiaodong Sun
- Pradip Saha

Two additional members will be considered because of their continued service to the division: Brian Woods and Theron Marshall.

Inactive members may be moved to a separate list as “advisors” or some other role. This issue will be discussed at the Boston meeting.

7. Honors & Awards Committee Report

a. TAA and Endowment Opportunity

Jong reported that Bill Cheung’s TAA presentation will be held Tuesday at 4 pm.

b. Best Paper Award

Yassin reported that many good papers had to be disqualified from the best paper competition because none of the authors were ANS members.

c. Young Professional Thermal Hydraulics Research Competition

Don reported that the first competition had high quality papers and that the winner was unanimously selected by THD members serving as judges for this competition.

d. New Fellow

Joy reported that Cetin Unal is a new ANS Fellow.

8. Nominating Committee Report

2006 candidates were approved as listed below:

- Chair- Shripad Revankar
- Vice Chair/Chair Elect – Chang Oh
- Treasurer- Karen Vierow
- Secretary- Kune Suh
- Executive Committee member – Kurshad Mustufluoglu
- Executive Committee member – Xiaodong Sun

9. Membership Committee Report.

Membership is steady at 925 members.

10. Old Business

None.

11. New Business

None.

The meeting was adjourned at 6:25 pm.

*Minutes prepared by Karen Vierow*

# AMERICAN NUCLEAR SOCIETY - THERMAL HYDRAULICS DIVISION

## Executive Committee Meeting

5:00-7:00 pm. Acoma

2006 ANS Winter Meeting/Albuquerque

<u>Name</u>	<u>Affiliation</u>	<u>Email</u>	<u>Phone #</u>
KURSHAD MUFTAOGLU	Westinghouse	muftoak@westinghouse.com	412-374-5771
Yassin A. Hassan	Texas A&M Univ.	y-hassan@tamu.edu	979-845-7090
Joy Rempel	INL	joy.rempel@inl.gov	208-520-3700
Jose Reyes	Oregon State Univ.	reyes@ne.orst.edu	503-737-7060
Chang Oh	INL	chang.oh@inl.gov	208-526-7716
Don Todd	AREVA	donald.todd@areva.com	509-375-8568
DANA A. Powers (NISD Liaison)	Sandia	dapower@sandia.gov	505-845-9830
Cetin Unal	LANL	cun5@lanl.gov	505-665-2539
Brian Collins	OSU	collinsb@onid.orst.edu	
Jong Kim	KALST/EPRI	jkim@epri.com	650-855-2670
F. Bue Odey	Penn State	fbue4@psu.edu	814-863-4261
Whee Choe	Westinghouse	whee.choe@tku.com	214-812-4370
CESARE FREPOLI	Westinghouse	frepolc@westinghouse.com	412-374-4156
Hisashi NINOKATA	TZTech	hninokat@nr.titech.ac.jp	+81-3-5734-5050
L. E. Hochreiter	Penn State University	lehue@engr.psu.edu	(814) 865-6198
Karen Vierow	Texas A&M Univ.	vierow@ne.tamu.edu	979-845-0600
TK Larsen	INL	thomas.larsen@inl.gov	208-526-5775

## **PROPOSED AGENDA**

**American Nuclear Society – Thermal Hydraulics Division**

**Executive Committee Meeting**

**Albuquerque Convention Center, Hyatt Regency Albuquerque and  
Doubletree Albuquerque  
Albuquerque, NM**

**5:00 – 7:00 PM, Sunday, November 12, 2006**

**Location: Albuquerque Convention Center, Acoma**

- 1. Opening (Joy)**
- 2. Approval of Meeting Agenda (All)**
- 3. Minutes from June 2006 Annual Meeting (Karen)**
- 4. Action Items from June 2006 Annual Meeting**
  - a. Bylaws & Rules Update (Joy)**
  - b. TAA Endowment Opportunity and National Recognition (Joy)**
- 5. Treasurer's Report (Chang)**
- 6. Program Committee Report**
  - a. NURETH-12 report (Kurshad)**
  - b. MELCOR workshop (Bob)**
  - c. NUTHOS-7 (Jong)**
- 7. Honors and Awards Committee Report (Jong)**
  - a. TAA (Bob)**
  - b. Best Paper Award (Yassin)**
  - c. Young Professional Thermal Hydraulics Research Competition (Don Todd)**

**d. New Fellow (Bob)**

- 8. Nominating Committee Report (Bob)**
- 9. Membership Committee Report (Bob)**
- 10. Old Business (All)**
- 11. New Business (All)**

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

**2006 ANS Annual Meeting  
Reno Hilton, Nevada  
4:00 –6:00 PM, Sunday, June 4, 2006  
Crystal Room 5**

**Attendees:** Robert Martin, Cetin Unal, Yassin Hassan, Karen Vierow, Bill Cheung, Joy Rempe, Jeremy Whitlock, Chang Oh, Shripad Revankar, Jovica Riznic, Tom Larson, Jong Kim, Hisashi Ninokata, Gary Wilson, Steven Arndt, Donald Todd (the same order in Attachment A)

1. Opening

Bob Martin called the THD Executive Committee Meeting to order at 4:15 p.m.

2. Approval of meeting Agenda

The meeting agenda was introduced (Attachment B) and was approved as amended to add voting on the 2007 Joint International Topical Meeting on Mathematics & Computations and Supercomputing in Nuclear Applications (SNA) and to correct the follows: 3 and 4; “2006 Winter Meeting” to “2005 Winter Meeting,” 6-d; Shripa to Shripad, and 7-b; Joy Rempe to Donald Todd

3. Minutes from November 2005 Winter Meeting (Washington DC )

The meeting minutes from the November 2005 meeting in Washington DC were approved.

4. Action Items from November 2005 Winter Meeting

*a. Bylaws & Rules Update*

Bob indicated that this has been going on three to four years now, and it is still a moving target. Bob received the latest version, updated it after annotation, and uploaded it to the THD website. There were only two places he could make changes. Bylaws and rules have to be approved by November. Joy suggested that we can approve it tonight and it can be iterated later with revisions. A motion was raised for approving bylaws now and voting on the final version after Bob and Joy go through the revision. The motion was approved.

*Action Item:* Kurshad and Bob still need an updated THD email list. Kurshad will contact ANS HQ to obtain this list.



Shripad and Chang discussed with the PDC about opportunities to improve collaboration on technical sessions related to nuclear hydrogen, and Shripad will attend newly formed hydrogen working group meeting on Monday.

Bob Martin reported that he had contacted ANS HQ about the possibility of creating a restricted fund for THD Honors and Awards. ANS HQ confirmed that such an account could be established (see Item 7 for additional discussion on this item).

#### 5. Treasurer's report (Shripad)

The division financial report as of 12/31/05 is:

Income	
The carry forwarded from 2004:	\$24,711
Membership;	\$ 921
Division income;	\$ 1170
Total budget funds;	\$26,802
Expenses	
Award, plaques:	\$ 3,962
Student support:	\$ 1,500
Scholarship/need funding	\$ 1,000
Balance:	\$ 20,340

The division financial report as of 3/31/06 is:

Carryover from 2005	\$20,340
2006 membership	\$ 925
Total budget funds	\$21,265

However, the THD expects expenditures for the following items: Awards plaques of \$2,500, student support and scholarship, \$2,500 and \$500, respectively. Therefore, the expected balance will be \$15,765.

Joy indicated that the THD has not yet received any income from NURETH-11. She has asked NURETH-11 organizers about the potential for any income, but has not received any response.

#### 6. Program Committee Report

##### NURETH-12 report

Please see the PC minutes.

##### Co-sponsoring Opportunity

The International Topical Meeting on the Nuclear Safety and Technology of Hydrogen Production, Control, and Management is an embedded topical meeting at the ANS Annual Meeting that will be held in Boston, Massachusetts. They expect to have 70 to 80 papers for the meeting with approximately two thirds expected from the nuclear production and control areas, and one third from the nuclear waste and management areas. Full papers must be submitted by January 5, 2007. The technical program committee has been established but seeks additional members for paper solicitation and session leadership. THD will recommend two sessions: 1. Nuclear Hydrogen Production, 2. System Integration of Nuclear Reactors with Hydrogen Plant.

*Action Item:* Shripad will communicate the names of these two sessions for co-sponsorship to the Hydrogen Working Group on Monday.

#### MELCOR workshop

Sandia National Laboratory proposed a MELCOR workshop to be held the 2006 ANS Winter Meeting, Albuquerque, NM and a motion was on the table for co-sponsorship. The motion was approved.

#### 2007 Joint International Topical Meeting on Mathematics & Computations and Supercomputing in Nuclear Applications (SNA)

A motion was on the table and the THD voted for “No” for the co-sponsorship.

A motion was on the table for sponsoring NUTHOS-7 and it was approved NUTHOS-7 as a secondary sponsorship.

The special session to honor Dr. Ishii’s 65 birthday and his contributions to the THD was discussed, Professor Cheung will discuss this potential session with Professor Ishii.

A student from Oregon State University (OSU) presented details about the 2007 ANS Student Conference, which will be held in March 29-31 at OSU. The OSU student section is seeking judges and other volunteers for the conference. Detailed information can be found in <http://groups.engr.oregonstate.edu/ans> or phone number of 541-737-7077.

#### 7. Honors & Awards Committee Report TAA and Endowment Opportunity

There were four candidates for the 2005 TAA. Cetin Unal mentioned that according to Dr. Wolfgang Wulff, the TAA is neither well advertised nor recognized nationwide. Therefore, Wolfgang suggested that the TAA become an endowed ANS National Award. There were discussions on this issue asking for

donations from past winners (suggested by Jong Kim). A motion was on the table, and the THD approved to establish a THD award and endowment fund and put aside \$500 into this restricted fund. Bob Martin discussed the possibility of creating a restricted funds account for the TAA with ANS HQ. They confirmed that such an account can be established.

*Action Item:* Joy Rempe agreed to ask the ANS Honors & Awards Committee for details about the requirements associated with the TAA becoming an ANS National Award.

Young Professional Thermal Hydraulics Research Competition

Seven papers were solicited by Don and Kurshad for this competition. Seven competitors will compete for this award on Wednesday. Judges are Cetin, Tom, and Joy.

THD Best Paper Award: Jong Kim, Incoming THD Honors & Awards Committee Chair, requested that THD EC members who are involved in the special editions of papers from NURETH11 (e.g., Rempe and Martin for Nuclear Technology and Hassan for Nuclear Engineering and Design) pick 5 papers from each journal as THD Best Paper candidates. The selection time was not discussed.

8. Nominating Committee Report

2006 candidates were approved as listed below:

Vice-chair- Shripad Revankar, Secretary- Karen Vierow,

Treasurer- Chang Oh, International EC member—Hisashi Ninokata

Hisashi Ninokata was recognized for being elected to the ANS Board of Directors.

9. Membership Committee Report.

Membership has been increasing. Bob Martin reported that the THD now has 925 members.

10. Old Business

No old business

11. New Business

No new business.

The meeting was adjourned at 6:05 pm.

*Minutes prepared by Chang Oh*



July 25, 2006

ANS Honors & Awards Committee  
Professor M. Jack Ohanian, Chair  
PO Box 118300  
Gainesville, FL  
32611-8300

**SUBJECT:** Recognition of THD Technical Achievement Award by ANS

Dear ANS Honors & Awards Committee:

The Technical Achievement Award (TAA) was established by the ANS Thermal Hydraulics Division (THD) in 1984. Recently, the THD EC agreed that we would like recipients of this award to receive the additional recognition associated with "ANS Awards." Although the THD will continue to administer the selection process and provide the monetary compensation for this award (currently, a check for \$1000 is presented), we would like the ANS H&A committee to include the TAA in their notices soliciting nominations, their recipient announcements, and in the awards announced at the ANS Honors & Awards Luncheon (although the THD will also continue to recognize the recipient in a special session where the recipient gives a technical presentation reflecting insights on a topic associated with their research).

The following is the guidance and the procedure for selecting the recipient of this award.

**Background:**

The Technical Achievement Award is the highest award given by the THD. It is normally presented annually to a member of the THD in recognition of outstanding past or current technical achievement. It is based on a major contribution to the state of the art, an important publication, a major technical achievement, or a sustained record of accomplishment and technical excellence in the art or science of Thermal Hydraulics.

**Description:**

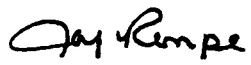
The Technical Achievement Award is an annual award consisting of an engraved plaque with an appropriate citation and a monetary award of \$1000. The Technical Achievement Award is presented at the ANS Winter Meeting or a Topical Meeting supported by the Division.

**Selection Method and Procedures:**

Nominations for this award are made directly by the Division membership or others in the technical community. Nominations accompanied by at least three supporting letters must be submitted in writing to the THD Honors and Awards Chair by July 1. The selection committee is the THD Honors and Awards Committee. Nominations are valid for three years from the date of submittal, but are only re-entered by the nominator sending an addendum, updating the

ANS Honors & Awards  
Committee  
July 25, 2006  
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Sincerely,

A handwritten signature in cursive script that reads "Jay Rempe".

Dr. Joy L. Rempe, Chair  
ANS Thermal Hydraulics Division

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JLR:rms

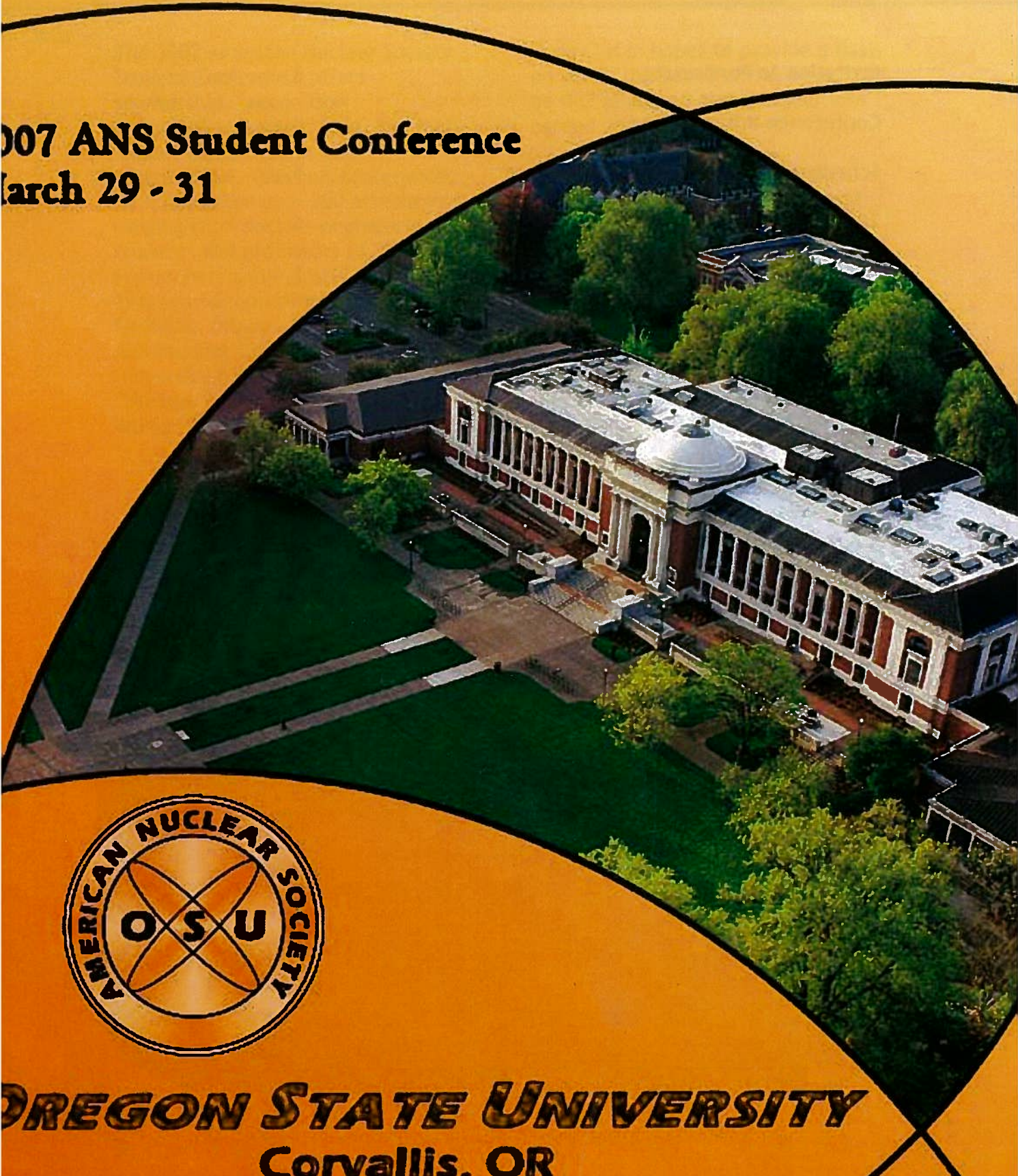
AMERICAN NUCLEAR SOCIETY  
BUDGET 2007

	ACTUAL 1997	ACTUAL 1998	ACTUAL 1999	ACTUAL 2000	ACTUAL 2001	ACTUAL 2002	ACTUAL 2003	ACTUAL 2004	ACTUAL 2005	ACTUAL 2006	NINE MONTHS ACTUAL
<b>THERMAL HYDRAULICS</b>											
BUDGET FUNDS											
CURRENT YEAR MEMBER ALLOC.	766	722	691	694	799	748	839	866	921	925	925
CARRY FORWARD, PRIOR YEAR	12540	10296	10313	15530	15529	14828	12796	11476	24711	20340	20340
OTHER BUDGET FUNDS	0	0	6610	2005	0	810	690	20120	1170	0	0
<b>TOTAL BUDGET FUNDS</b>	<b>13306</b>	<b>11018</b>	<b>17614</b>	<b>18229</b>	<b>16328</b>	<b>16386</b>	<b>14325</b>	<b>32462</b>	<b>26802</b>	<b>21265</b>	
<b>BUDGET EXPENSES</b>											
NEWSLETTERS	0	0	0	0	0	0	0	0	0	0	0
AWARDS, PLAQUES	695	500	734	1200	0	2090	599	1251	3962	265	265
NATIONAL MEETING COSTS	165	205	0	0	0	0	0	0	0	0	0
DIVISION OFFICER EXPENSE	0	0	0	0	0	0	0	0	0	0	0
STUDENT SUPPORT	1650	0	600	1000	1000	1500	1750	1500	1500	2500	2500
SCHOLARSHIP/NEED FUNDING	500	0	750	500	500	0	500	5000	1000	1000	1000
OTHER EXPENSES	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL EXPENSES</b>	<b>3010</b>	<b>705</b>	<b>2084</b>	<b>2700</b>	<b>1500</b>	<b>3590</b>	<b>2849</b>	<b>7751</b>	<b>6462</b>	<b>3765</b>	
<b>EXCESS (DEFICIENCY) OF BUDGET FUNDS OVER EXPENSE</b>	<b>10296</b>	<b>10313</b>	<b>15530</b>	<b>15529</b>	<b>14828</b>	<b>12796</b>	<b>11476</b>	<b>24711</b>	<b>20340</b>	<b>17500</b>	



# ***Nuclear Technology Around the World: Solving Tomorrow's Problems, Today***

**2007 ANS Student Conference  
March 29 - 31**



**OREGON STATE UNIVERSITY**  
**Corvallis, OR**



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## CONTACT INFORMATION

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## IMPORTANT DATES

Exhibitors Contract Deadline	2/15
Advertising Application Deadline	2/15
Sponsorship Contract Deadline	3/1