

MINUTES OF THE Aerospace Nuclear Science and Technology (TG) MEETING
AMERICAN NUCLEAR SOCIETY
Disneyland Hotel Anaheim California
Sunday, June 08, 2008, 12:00 PM to 2:00 PM

Members Present:

Jon Carmack, INL, Chair (EC)
Leo Bobek, UMass-Lowell, Secretary (EC)
Shannon Bragg-Sitton, Texas A&M
Boise Pearson, NASA-MSFC (EC)
Marty Sattison, INL (EC)
Heather MacLean, INL (EC)
Mike Zerkle, Bettis Atomic Power Lab (EC)
Andrew Klein, INL/OSU
Denis Beller, Bigelow Aerospace
Robert Singleterry, NASA Langley
Ross Radel, SNL
Marie Cronholm, Texas A&M (Grad. Student)
Joshua Richard, Univ. of Florida (Grad. Student)
Badal Junesa, Univ. of Florida (Grad. Student)

1. Call to Order

The meeting was called to order at 12:00 PM by Chair J. Carmack after a quorum determination.

2. ANS Student Conference

M. Cronholm presented information on the 2008 ANS Student Conference held at Texas A&M. The meeting was highly successful with 375 students and 175 professionals attending. There were 154 oral presentations and 16 poster presentations. The ANST track had two sessions and ANST funded 1st and 2nd place awards for best undergraduate and graduate papers (details may be found in the ANST June 2008 newsletter). The concept of separate awards for graduates and undergraduates was encouraged for continuation in the future. The awards were particularly appreciated and it was suggested that awards be better advertised to attract more submissions.

J. Richard and B. Junesa presented information on the upcoming ANS Student Conference to be held at the University of Florida April 1-5, 2009. The conference will include a plenary session whereby division chairs can present information about their division. A conference web site will be established. They requested ANST monetary support for travel and awards and judges for the best paper awards. J. Carmack informed the students that ANST will be providing support for this conference at a level to be determined after the Committee discusses the budget. S. Bragg-Sitton requested that abstracts be provided to judges ahead of the conference.

3. Treasurer's Report

S. Bragg-Sitton provided the budget summary. It was noted the membership allocation has been increased to \$2 per member. It was also noted that the revenues from the SNC'07 embedded topical have not yet been received. L. Bobek will contact Mary Keenan to check on SNC'07 disbursement status.

Student funding support was discussed. The approved 2008 student support was \$900. A motion was made to raise the support level to \$1000 pending the results of the SNC'07 allocation and while recognizing the need to have expenditures stay within 50% of annual revenue. The allocation to be: \$400 for student conference travel, \$400 for national meeting travel, and \$200 for paper awards. The motion was approved.

4. Metrics

J. Carmack provided a summary of the metrics for ANST. The metrics requiring improvement actions are:

National Meeting Participation – ANST had less than the 3 required sessions at least one annual meeting. It was noted this occurred during the year of the SNC'07 embedded topical. J. Carmack requested the committee to work with B. Pearson in developing and filling sessions.

ANS Position Statement – The ANST Position statement is overdue for an update. L. Bobek noted that comments have been received and he will provide the EC and R. Singleterry with a “clean” version incorporating comments for a vote by the EC.

Professional Development – ANST has no PD activities. R. Singleterry proffered two supporting efforts. One would be the possible recognition for his participation in teacher workshops each national meeting. The other is the possibility of including a training/tutorial on the use of MCNP for space radiation modeling as part of a session at the June '09 national meeting. He will submit a proposal to the NPC in July.

Peer Recognition Award – ANST has no peer recognition activities. R. Singleterry and J. Carmack will pursue the Fellow nomination of an ANST member.

Non-meeting Publications – It was suggested that the change to SNC topical to include the former STAIF and current Space Nuclear Systems Forum be included in a future Nuclear News submission. S. Bragg-Sitton will look into this. R. Singleterry will send an article on the teacher workshop to L. Bobek for consideration for submittal to Nuclear News.

In addition, the *Commitment to Young Members Group* metric was discussed. H. MacLean (EC member) is liaison and member of YMG. She summarized the YMG embedded topical for the November '09 national meeting. Each division will be co-sponsor of the topical. There will be opportunities to co-sponsor sessions. One possible session may be on the knowledge transfer of RTG and other space nuclear technologies.

5. Progress to Division Status

L. Bobek and J. Carmack will continue progress on establishing ANST as a Division. M. Zerkle suggested the polling of other divisions should not be done until ANST sponsored embedded topical in June '09. STAIF was an important aspect of ANST becoming a Division, so continued sponsorship of embedded topicals and stand-alone meetings will be essential. L. Bobek will review the Professional Division Manual and devise an action plan and time-line.

6. Topical Meetings

S. Bragg-Sitton summarized discontinuation of the Space Technology and Applications International Forum (STAIF). The desire to preserve the sub-conferences of this forum along with co-sponsorship of the Space Nuclear Systems Forum (SNSF) has presented ANST the opportunity to revise and expand the ANST sponsored embedded topical meeting in 2009 and for 2011. For 2009, the ANST program committee has revised the embedded topical name from Space Nuclear Conference (SNC) to Nuclear and Emerging Technologies for Space (NETS). The name change was decided upon to include the broader sub-conferences within the former STAIF. The ANST program committee is seeking co-sponsorship from the American Institute of Aeronautics and Astronautics (AIAA) for the NETS topical. ANST requested ANS co-sponsorship (Class IV) for the SNSF February 2009 meeting. The goal for 2011 is to have a biennial stand-alone NETS topical, most likely occurring in February, that includes the topics of SNC, STAIF, and SNSF.

S. Bragg-Sitton also reported the search for general and leaderships chairs for NETS-2009 is ongoing.

B. Pearson reported there are four sessions and 15 papers for this meeting's International Congress on Advances in Nuclear Power Plants (ICAPP) embedded topical. There are five planned sessions for the November 2009 national meeting. All present were encouraged to spread the word about these ANST sponsored sessions throughout this week. A suggestion was made to send Toni Bishop (ANSHQ) a request to send the ANST membership a reminder about the sessions. L. Bobek will do this as soon as possible.

7. ANST Governance

J. Carmack reported the current situation regarding the resignation of Vice-chair T. Larson. Incoming Vice-chair L. Bobek was approved by the EC to assume Chair as of the end of this meeting. Discussion ensued regarding filling the Vice-chair position. A motion was made to have incoming Secretary M. Sattison assume Vice-chair while serving as Secretary for 2009 until the next regular election. The motion was passed. J. Carmack, L. Bobek, and M. Sattison will develop a slate of candidates for the 2009 elections.

8. Membership, Honors and Awards

J. Carmack reported that membership has increased by 1.5% to 542. As previously discussed for metrics, efforts will be made to nominate an ANST member as ANS Fellow.

9. Communications and Public Information

J. Carmack stated the web page will need to be updated to include the new EC members and officers (L. Bobek to follow-up). S. Bragg-Sitton offered to provide content related to the NETS meeting.

10. Professional Divisions Workshop

Deferred due to lack of time.

11. BoD Liaison Report

Not available.

12. Secretary's Report

A summary of electronic votes is appended.

13. Public Policy Updates/Report

Deferred due to lack of time.

14. ANST Position Statement

Discussed under Metrics.

15. Other Business

None.

16. The meeting adjourned at 2:05 PM.