

MINUTES OF THE Aerospace Nuclear Science and Technology Technical Group (TG) MEETING
AMERICAN NUCLEAR SOCIETY
Hyatt Regency Atlanta, Harris Room, Atlanta, GA
Sunday, June 14, 2009 12:00 PM to 2:00 PM

Members Present:

Leo Bobek, UMass-Lowell, Chair (EC)
Marty Sattison, INL, Vice-Chair & Secretary (EC)
Steve Wright, SNL (EC)
James Werner, INL (EC)
Paul Edelmann, LANL (EC)
Jon Carmack, INL (EC)
Shannon Bragg-Sitton, TAMU
Steve Howe, INL/CSNR
Ross Radel, SNL
Tracy Radel, SNL
John Bess, INL
Andy Klein, INL
Ty Robin, consultant
Blair Bromley, AECL
Greg Lucas, Univ of Wisconsin
Also:
Chris Perfetti, UF Student Conf.
Travis Trahan, UMich Student Conf

1. Call to Order (Leo Bobek) at 12:05 pm

- a. Establish quorum – a quorum of 6 of 11 Executive Committee members were present.
- b. The agenda was reviewed and approved without revision.

2. Topical Meetings

- a. Shannon-Bragg-Sitton provided an overview of the status of NETS 2009. There are 41 full papers with presentations and 3 or 4 that will be presentation-only. There are also 11 invited speakers. She is working to get selected papers into a special edition of Nuclear Technology journal. Session chairs / reviewers need to provide recommendations on journal-quality papers ASAP to allow this process to move forward.
- b. Shannon also provided a summary of the Space Nuclear Systems Forum that was held in February at NASA Johnson Space Center. The forum was attended by 80 – 90 people. There were no papers, just presentations. These presentations will be available on CD to both participants and non-participants (duplication of the CD is being supported by the Center for Space Nuclear Research). There was plenty of good feedback on the Forum and a strong desire to hold another next year. It proved to be a good means of space nuclear experts to gain the ear of NASA staff.
- c. Chris Perfetti from the University of Florida reported on the ANS Student Conference . It was one of the largest Student Conferences ever with 528 students and 138 papers. Alex Mieloszyk from Oregon State University won the best paper award sponsored by ANST. The next student conference will be held at the University of Michigan, April 8 – 11, 2010.

3. Technical Program Report (Shannon Bragg-Sitton for Boise Pearson)

- a. We need to ask if there is currently a track on Space Nuclear slated for ICAPP 2010.
- b. We have one session at the Young Professionals Conference (Nov 2009 embedded topical meeting). We need four or five paper summaries (900 words) by June 25. We might need to change the session to a panel session.

- c. The question arose about the ability of Boise Pearson to continue supporting the Technical Program Committee. Marty Sattison will talk to Boise about this.
- d. NETS 2011 will be held in February 2011. The location, Conference Chairs and Technical Program Chairs and committees are still decisions that need to be made. Several locations were discussed. Albuquerque is a desirable location due to the history of STAIF, the availability of support from the Trinity Section and Sandia National Lab. There were also several names mentioned as possible General and/or Honorary Chairs. Steve Howe and Shannon Bragg-Sitton will approach Pete Miller on possibility of serving as the Honorary Chair. It was also suggested that the Conference be co-chaired by senior members of both DOE and NASA. It was recognized that there is a need to increase international participation in NETS.
- e. Space Nuclear Systems Forum 2010 was discussed. Suggested locations were Houston, NASA Langley Research Center (VA) and NASA Marshall Space Flight Center (AL). Wherever it is held there is a need for good local support. Langley was a desirable location because it is the home of the Program Office. Jim Werner will make contact with Scott Harlow at DOE about providing support for SNSF. It was noted that there is a strong need for completely separate Technical Program Committees for NETS and SNSF to avoid confusion.
- f. Travis Trahan from the University of Michigan gave a briefing on the upcoming Student Conference being sponsored by the University of Michigan. The conference will be held April 8 – 11, 2010 at the Marriott at Eagle Crest, Ann Arbor, MI. He passed out business cards and brochures. The conference is focusing on increasing community college participation and international participation. The conference will take on a more professional feel than in the past but still be interesting for the students. There will be technical sessions, workshops, a career fair, university tours of labs and a tour of the Cook nuclear power plant. Bus transportation will be provided between the conference venue and the university campus. They are in need of support from ANST in the form of judges for tracks, mentors for the mentor lunches, awards for papers and travel support. Their budget is expected to be about \$150,000 plus another \$60,000 for travel.

4. ANS HQ / Professional Divisions Updates (Leo Bobek)

- a. Leo Bobek attended the President's Meeting with Division Chairs. ANS supports Pete Miller for DOE Assistant Secretary of NE. The President asked each division to provide a brief statement on three items:
 - (1) What is the most notable accomplishment of your committee/division during the past year?
 - (2) What has your committee/division changed in its operation to sustain "Getting the Word Out"?
 - (3) What would you recommend be improved/changed in national operations to support your committee/division?

In response, Leo (1) provided an overview of the current embedded topical and application for PD status, (2) discussed the efforts by Shannon and others with the SNSF meeting, (3) requested more detailed guidance on developing and funding division awards and scholarships.

- b. Professional Division Application Status. The application was submitted to the Professional Divisions Committee in time to make the agenda for a vote. Assignments were made to ANST Executive Committee members to attend as many Executive Committee meetings for the other divisions as possible to generate support, answer questions, and solicit votes.
- c. Report from PD Workshop
 - There was discussion of the Rules. Divisions are to develop their own rules or adopt the standard rules. We need to do so before the Winter meeting in November.
 - The Student Sections Committee is asking for more interactions with the Professional Divisions.

- We are encouraged to become more involved in the development of standards. We need to appoint a liaison to the Standards Committee. Leo Bobek volunteered to fill that role.
- Several items were requested to be brought before the Division Executive Committees for votes: (1) The Education and Training Division has requested a name change and mission statement change. "Work force development" will be added to both. (2) The Radiation Protection and Shielding Division requested the addition of "immersive simulation" to their mission statement. (3) ANST has applied for full Division status. Motions were made and seconded for each of these items to be brought to a vote. Each motion passed.
- Don Hoffman will be moving from Chair of the Professional Divisions Committee to Chair of the Membership Committee in June 2010. Mikey Brady-Raap will become the new Chair of the Professional Division Committee.
- Metrics. Overall our metrics are looking good. We are green in Succession Planning, ANS Position Statements, Professional Development, Participation in Outside Professional Societies, Communications, Society Leadership, Division Planning, Non-meeting Publications and Student Support. We are white in National Meeting Participation, Class I & II Topicals, Class III Topicals, Scholarships, and Division's Commitment to YMG. We are Yellow in Membership Trends (down 7% to 504 from 2007 to 2008) and Peer Recognition/Awards (we have none). We have no red metrics.

5. Nominating Committee Report (Jon Carmack)

The election results were presented:

Marty Sattison as Chair

Shannon Bragg-Sitton as Vice-Chair

Paul Edelmann as Secretary

Dion Sunderland as Treasurer

Heather MacLean, Ross Radel, Robert Singleterry, Dion Sunderland and Steve Howe as Members of the Executive Committee.

There was discussion on the history of how Leo Bobek became the current Chair and Marty Sattison became both the Vice-Chair and Secretary when Tom Larson abdicated the chair. There was some discussion on the length of elected terms for the officers (one year versus two years). The consensus was that two-year terms were desirable, but may not be allowed by the Rules and By-laws for all positions. Currently the Chair and Vice-Chair are one-year positions and the Secretary and Treasurer are two-year positions. Paul Edelmann noted that his letter from ANS indicating that he had been elected to the position of Secretary specifically stated a 2-year term. Clarification is needed from ANS to determine the exact terms of the current elected officers.

6. Secretary's Report (Marty Sattison)

Marty Sattison read through a list of highlights of the activities that have taken place since the last ANST Executive Committee meeting in November 2008. A complete summary is attached.

7. Adjourn: 2:00 pm

Attachment

Secretary's Report

On November 3, 2008, Chair Leo Bobek sent out a draft agenda for the November meeting in Reno.

On November 5, Chair Leo Bobek sent out the proposed election slate and called for an electronic vote of the Executive Committee to approve. This was done in anticipation of not having a quorum at the November ANST meeting. Heather MacLean made a motion to vote. The motion was seconded and a vote was taken. The election slate was approved.

On November 9, 2008, the ANST Winter Meeting was held in conjunction with the ANS Winter Meeting. Leo Bobek presided and conducted and Heather MacLean took minutes.

On November 11, 2008, Jon Carmack, Nominating Committee Chair, submitted the approved slate of candidates for ANST Officers and Executive Committee positions to Connie Cherry (ccherry@ans.org).

On November 14, 2008, Shannon Bragg-Sitton reported that the Public Policy Committee brought ANS Position Statement 40 before the Board of Directors (BoD) for review and approval. No one from the ANST Executive Committee was present. The version presented to the BoD was represented by the PPC as having "minor" changes made by the PPC relative to what ANST submitted. Shannon made a comparison and noted that the changes were somewhat more substantial. She recommended to the BoD that the statement be returned for accurate revision before it gets approved. Shannon summarized the changes made by the PPC and solicited further comments and changes from the ANST Executive Committee.

On November 19, Chair Leo Bobek provided a clean copy of the latest draft of Position Statement 40 and asked for a motion to vote for approval. Tom Larson made a motion to approve. Dion Sunderland seconded the motion and a vote was taken electronically. A majority voted for approval and Leo Bobek informed Shannon Bragg-Sitton to submit the revision to the BoD for review and approval.

On December 4, 2008, Chair Leo Bobek called for a motion to approve the minutes of the November 9th meeting of the ANST. Heather MacLean moved that the minutes be approved. Tom Larson seconded the motion and a vote was held electronically. The vote was six to approve, none to disapprove and the rest abstaining. The minutes, due January 4, were submitted to Laurie Barnett (lbarnett@ans.org, governance@ans.org) on December 11, 2008 by Secretary Marty Sattison.

On December 11, 2008, Chair Leo Bobek was informed by ANS Headquarters that the Rules Committee Chair and Professional Divisions Committee Chair have discussed both our present officer succession circumstances and our recently submitted nomination slate. The RC and PDC chairs have concluded that ANST must follow what is currently in the **Standard Bylaws and Rules** for officer terms. That is, both vice-chair and chair shall serve only one year. As a result, Marty Sattison will ascend to Chair at the end of the June 09 meeting and consequently, we are required to seek a vice-chair candidate (to assume Chair in 2010) for the current ballot.

The ANST Nominations Committee made the following changes to the slate: Shannon Bragg-Sitton is the Vice-chair candidate. Dion Sunderland has been removed as an EC candidate, but remains as the Treasurer candidate. Robert Singleterry has been added as an EC candidate. All other candidates remain the same. Leo called for a vote, Marty Sattison moved to take a vote and Tom Larson seconded the motion.

When the BRC and PDC work out division rules guidance in January, ANST can submit draft rules to include the election terms we desire. Until then we are stuck with the current 1 year process.

On December 12, 2008, the announcement for the 2009 Space Nuclear Systems Forum was distributed and posted at <http://www.lpi.usra.edu/meetings/nuclear2009/>. The forum is slated to be held February 10 -12, 2009 at Johnson Space Center. The meeting is sponsored by USRA, the Center for Space nuclear

Research, NASA, the Idaho National Laboratory, AIAA and ANS. The organizers are Shannon Bragg-Sitton, Michael Houts, Steve Howe, and John Scott.

On December 15, Laurie Barrett sent out the Nomination Acceptance Forms for those to be placed on the spring 2009 ballot. Nominees had until December 29, 2008 to respond.

On December 19, 2008 Shannon Bragg-Sitton sent out the announcement and call for abstracts for Nuclear and Emerging Technologies for Space 2009 (NETS 2009), an embedded topical meeting at the ANS Annual Meeting in Atlanta, June 14 – 18, 2009. NETS 2009 is the third topical meeting sponsored by ANST and is the successor to the Space Nuclear Conferences held in 2005 and 2007.

February 9, 2009. Shannon Bragg-Sitton distributed the final call for abstracts for NETS 2009.

On April 3, 2009, Chairman Leo Bobek sent the first draft of the ANST Professional Division Application to the Executive Committee and Officers for review, comment and provision of missing information. Over the next week comments were received from the Executive Committee and Officers.

On April 24, 2009, Leo Bobek distributed a revised Profession Division Application and called for a vote to approve. The motion was seconded on April 27th by Tom Larson and a vote by email was conducted. On May 1st Marty Sattison reported the results of the vote as 7 votes for approval, 0 votes for disapproval, the rest abstaining.

On May 5, 2009, Toni Bishop sent out a notification that a questionnaire would be coming soon to be used as the basis for developing the Technical Group's 2008 metrics.

On May 6, 2009, Chairman Leo Bobek submitted the approved Professional Division Application to the Professional Division Committee for consideration.

On May 14, 2009 Dion Sunderland requested information from the Executive Committee to be used in an ANST Newsletter.

On May 19, Laurie Barrett sent out a draft roster of the 2009 – 2010 ANST Leadership, which Marty Sattison passed on the Executive Committee for review. That same day, Toni Bishop updated the ANST listserv, adding Shannon Bragg-Sitton, Steven Howe, Ross Radel, and Robert Singleterry. Jon Carmack, Thomas Larson, and Melissa Van Dyke will be removed at the end of July. Also, on May 19th, Sharon Kerrick solicited the information she needs to develop the ANST metrics. Leo Bobek responded with the requested information on May 22.

On May 22, 2009, Leo Bobek requested that Gary Wilson update the ANST web site with a couple of items. This was completed on May 26th. Also on the 22nd, Sharon Kerrick provided the final metric graph.

On May 28, 2009, Leo Bobek forwarded the Professional Division Application to the members of the Professional Division Committee.