

MINUTES OF THE Aerospace Nuclear Science and Technology (TG) MEETING
AMERICAN NUCLEAR SOCIETY
Boston Marriott Copley Place Hotel Boston, Massachusetts
Sunday, June 24, 2007, 12:00 PM to 2:00 PM

Members Present:

Pablo Rubiolo, Westinghouse Co., Chair
Jon Carmack, INL, Co-Chair
Leo Bobek, UMass-Lowell, Secretary
Robert Singleterry, NASA, Treasurer
Shannon Bragg-Sitton, NASA-MFSC, Past-Chair
Boise Pearson, NASA-MSFC
Marty Sattison, INL
Heather MacLean, INL
Paul Edelmann, LANL
Mike Zerkle, Bettis Atomic Power Lab
Kathryn McCarthy, INL
Andrew Klein, INL/OSU
Denis Beller, Bigelow Aerospace
James Werner, INL
Mathew Gidden, Texas A&M (Grad. Student)
Jennifer Koop, Texas A&M (Grad. Student)

1. Call to Order

The meeting was called to order at 12:00 PM by Chair P. Rubiolo after a quorum determination. The Chair presented an overview of the meeting agenda. The agenda was voted on and approved.

2. ANST Student Conference

M. Gidden and J. Koop of Texas A&M presented information on the upcoming ANS Student Conference to be held at Texas A&M February 28 to March 1, 2008. P. Rubiolo informed the students that ANST has supported the student conferences in the past and will be providing support for this conference. The students were thanked for their presentation and told they will receive notice of ANST support. It was noted the ANST budget will be approved at the November meeting.

3. Bylaws and Rules Development

P. Rubiolo summarized the status of the ANST Bylaws and Rules development. The Bylaws have been approved by ANST and the ANS Bylaws and Rules Committee (BRC). The ANST Rules are currently under development by S. Bragg-Sitton. The Rules will include such specifics as terms for Officer and Executive Committee members. P. Rubiolo suggested the Rules include specifics on Officer transition and records keeping. The Rules are to be approved by a 2/3 vote of the ANST Executive Committee, with final approval by BRC. P. Rubiolo requested a timeline of having a draft for discussion for early September, with a final vote early in October in order to submit the draft rules for approval by BRC in November.

4. Topical Meetings

S. Bragg-Sitton provided an overview of the SNC '07 Embedded Topical. Approximately 70 presentations will be given. It was agreed this is a good number given the present status of federal funding for space nuclear programs. There are four plenaries with some minor changes to plenary speakers. Congressman Cramer could not attend, but has sent a formal letter to be read at the opening Plenary. Discussion ensued regarding the recommendations for papers to be published in a special edition of Nuclear Technology (NT). Not all reviewers of the SNC'07 papers made recommendations for or against. A total of 20-25 recommended papers is the suggested number of papers to be submitted for review by NT editors. Methods for making SNC'07 session chairs aware of the need to make paper recommendations were discussed. It was agreed the best method would be to have the speaker/chair sign-in desk provide a written notice to session chairs, along with using student session helpers as means of conveyance. S. Bragg-Sitton offered to draft the procedure and method for recommending future SNC topical papers for NT publication.

P. Rubiolo presented the status of the agreement with OPD regarding the Space Applications track in the ICAPP topical meeting. The PDC considers this as a private agreement between ANST and OPD. In previous communications with OPD, ANST agreed to be fully responsible for all aspects of organizing the sessions in the Space track, including soliciting papers/presentations, providing reviewers for the paper review, and providing chairs for the sessions. ANST also will provide an article (~200 words) on the track for OPD's Spring newsletter prior to ICAPP. In discussions with Mary Keenan (ANS HQ) regarding financial arrangements and credit, the following was agreed to:

- 1) ANST will inform Mary near the end of the year how many papers were presented in the Space tracks of ICAPP.
- 2) Mary will calculate the credit for ANST. ANS calculates the funding from papers only after the two national meetings. The funding will be credited in the ANST budget by January. ANS will reimburse \$60 per paper if: a) ANST supports both national meetings, and b) The winter meeting has at least 15 papers (speakers in plenary sessions also count as a paper).
- 3) ANS does not credit for speakers in panel sessions and will only pay \$50 per session.
- 4) Having at least 15 papers (or equivalent) in the ANS winter meeting and organizing SNC (in odd numbered years) and co-sponsoring the space tracks in ICAPP (in even numbered years) will fulfill the criterion that allows \$60 per paper.
- 5) If ANST fails to fulfill these criteria, ANS will reimburse only \$30 per paper but still give full credit towards ANST metrics.
- 6) ANS will only reimburse a max of \$30 per ICAPP paper since OPD officially sponsors ICAPP.

P. Rubiolo also submitted a copy of the ANS Division Reimbursement Summary provided at the PD workshop (appended).

S. Bragg-Sitton summarized the Class-IV sponsorship of the Space Technology and Applications International Forum (STAIF) Conference to be held February 10-14, 2008 in Albuquerque, NM. J. Carmack offered to arrange for attendance at the ANS National Program Committee meeting to present the case for sponsorship.

P. Rubiolo reported D. Sunderland is continuing with efforts to have ANST collaborate with TMS/AIAA for future meeting sessions, possibly related to materials.

5. ANST Executive Committee

P. Rubiolo presented the list of 07-08 officers and EC members for ANST (appended). Two nominations for EC membership are needed for 08-09, as are nominations for Secretary and Vice-Chair. The need for transitional documentation from retiring officers also was emphasized and requested. Particularly important is transition assistance for the ANST Technical Program Chair to be provided by T. Larson for B. Pearson.

6. Technical Program

B. Pearson reported the ANST sessions for the upcoming winter meeting in Wash. D.C. has only one paper to date. Everyone agreed to make a push for additional papers and to have session chairs at the current meeting announce the need for papers. In addition, it was agreed that at least one paper session would be changed to a panel session. B. Pearson will develop topics. Suggestions included: the current direction of federal funding programs; surface power developments; status of RPG programs.

7. Membership, Honors and Awards

P. Rubiolo reported ANST membership as having slightly increased (~20 members) for 06-07. Approximately 40% of ANST members are students. Approximately 20% of the total membership leaves each year, most likely due to having such a large student base. Discussion ensued as to whether we could survey those who leave ANST. P. Rubiolo offered to work with D. Sunderland to draft a survey for members who leave ANST.

J. Carmack requested input into the nomination of an ANS Fellow with ties to ANST. The need for creating a non-monetary ANST awards was also discussed. S. Bragg-Sitton offered to draft a summary and process for a recognition award. J. Carmack, M. Sattison, and H. MacLean offered to assist.

8. Communications and Public Information

P. Rubiolo summarized recent updates to the ANST website. Webmaster G. Wilson was credited with the updates. It was noted new updates are needed for officer and EC membership changes. In addition, the website is to be updated to include a history of ANST, the Bylaws and Rules, and a copyright statement for materials posted on the site. P. Rubiolo will ask D. Sunderland to submit the updates to G. Wilson. A criticism was noted of the Officers and Committees page as being too complicated. P. Rubiolo asked for EC member recommendations on this and other improvements. R. Singleterry offered to provide scanned pictures of historic and current material (as allowed by NASA) related to ANST activities.

P. Rubiolo presented the current newsletter and emphasized the need to identify topics for future feature articles, specifically to allow ANST to contact prospective contributors of feature articles.

P. Rubiolo commended the conduction of business via the ANST EC listserver during the past several months, thereby allowing greater productivity and for making the ANST EC meetings more efficient.

9. Professional Divisions Workshop

P. Rubiolo summarized the information presented at the PD Workshop. In particular it was noted that Standard Bylaws were approved. It was announced that all ANS scholarships will need to be fully endowed. The interest received on the endowments beyond 5% would be accumulated by ANS HQ and diverted for other uses and endowments.

P. Rubiolo provided a summary of the ANST report and metrics to be provided to the ANS BoD on Wednesday.

ANST will apply for Division status in the next few months, ideally in time for a BoD vote at the November meeting. As incoming Chair, J. Carmack will inform PD membership, including division chairs and chairs of all national committees, of the upcoming submission for ANST division status.

10. BoD Liaison Report

K. McCarthy noted the BoD is requesting the establishment of a special committee for measuring ANS success.

11. Secretary's Report

L. Bobek provided a summary of electronic votes (appended).

12. Treasurer's Report

R. Singleterry provided a summary of the budget and expenditures. The expenditures are within the budget approved last November. A summary of expenditures was provided. R. Singleterry indicated there appears to be a discrepancy with membership versus allocation numbers. He will provide transition information for D. Sunderland and recommend contacting ANS HQ regarding tracking of membership and credit.

13. Public Policy Updates/Report

P. Rubiolo deferred discussion due to lack of time.

14. Professional Division Progress

P. Rubiolo referred to the earlier discussion of the matter and deferred further discussion due to lack of time.

15. ANST Position Statement

P. Rubiolo presented the updated draft ANST position statement and asked the EC to review it for further comment. He suggested a deadline be established (September?) to finalize and vote upon it for submittal to the PPC and eventual approval at the November BoD meeting. P. Rubiolo suggested assigning the duty of updating and developing new position statements to the Communications Committee.

16. Other Business

P. Rubiolo again emphasized the need for transition reports from all officers and committee chairs.

17. The meeting adjourned at 2:05 PM.

REIMBURSEMENT TO DIVISIONS – Participation in ANS National Meetings

PURPOSE:

To create better meetings with improved sessions and greater attendance

A minimum level of participation for divisions was established for each national meeting:

Divisions with membership less than 800

15 summaries, full papers, panel sessions at each national meeting; 30 per year

Divisions with membership greater than 800

20 summaries, full papers, panel sessions at each National meeting; 40 per year

NOTE:

To qualify for reimbursement, sessions and panel sessions must not have more than one non-member complimentary speaker.

Reimbursement to divisions for summaries, papers, or panels over the minimum support level will be as follows:

\$30.00 per summary

\$60.00 per full paper

\$50.00 per panel (limited to two panels).

Professional Development Workshops sponsored by a division also qualifies for reimbursement as follows:

\$50 for each attendee over the minimum of 15 paid attendees.

Embedded Topical Meeting Reimbursement for divisions that meet the minimum support requirements at the national meeting (without the embedded topical) held within the same year:

\$60.00 for each full paper

Embedded Topical Meeting Reimbursement for divisions that do not meet the minimum support requirements:

\$30.00 for each full paper

Aerospace Nuclear Science & Technology Technical Group

2007-2008

Officers

2008	William J Carmack	Chair
2008	Thomas K. Larson	Vice Chair
2008	Leo M. Bobek	Secretary
2008	Dion J. Sunderland	Treasurer

Members

2010	<u>Eric C. Alderson</u>	2010	<u>J. Boise Pearson</u>
2008	William J Carmack	2010	<u>Martin B. Sattison</u>
2010	<u>Paul G. Edelmann</u>	2008	Dion J. Sunderland
2009	Thomas K. Larson	2009	Melissa Van Dyke
2009	Heather J. MacLean	2008	Michael L. Zerkle

2006-2007

Officers

2007	Pablo R. Rubiolo	Chair
2007	William J Carmack	Vice Chair
2007	Leo M. Bobek	Secretary
2007	Robert C. Singleterry	Treasurer

Members

2007	Leo M. Bobek	2007	Pablo R. Rubiolo
2008	William J Carmack	2007	Robert C. Singleterry
2007	Andrew C. Klein	2008	Dion J. Sunderland
2009	Thomas K. Larson	2009	Melissa Van Dyke
2009	Heather J. MacLean	2008	Michael L. Zerkle

2005-2006

Officers

2006	Shannon M. Bragg-Sitton	Chair
2006	Pablo R. Rubiolo	Vice Chair
2006	William J Carmack	Secretary
2006	Robert C. Singleterry	Treasurer

Members

2008	Leo M. Bobek	2007	Pablo R. Rubiolo
2006	Shannon M. Bragg-Sitton	2006	Robert C. Singleterry
2006	William J Carmack	2007	Don Williamson
2007	Andrew C. Klein	2008	Michael L. Zerkle

#	Date	Type	Description	Status	Yes	No
1	20-Jul-06	Electronic	Vote to approve 2006-2010 strategic plan for ANST strategic plan version	approved	AK, SBS, DS, MZ, LB, JC, KM, TL, MV, PR	none
2	12-Nov-06	Winter Meeting	Vote to approve the slate of candidates for 2007	approved	All meeting attendants (see minutes)	none
3	03-May-07	Electronic	OSU Student Conf. Support. \$300 Travel & \$200 Paper Awards	approved	SBS, JC, LB, DS, AK, TL, MZ, HM	none
4	05-Jun-07	Electronic	SNC'07 \$250 Telecon Cost	approved	PR, TL, SBS, RS, DS, LB, AK, HM, MZ	none
5	11-Jun-07	Electronic	ANS-Boston \$200 Teacher Program Support	approved	PR, AK, MZ, TL, SBS, HM, MVD, JC	none

ANST Executive Committee 2006-2007		
	Name	Position
SBS	Shannon Bragg-Sitton	Past Chair
PR	Pablo Rubiolo	Chair
JC	Jon Carmack	Vice Chair
RS	Robert Singleterry	Treasurer
LB	Leo Bobek	Secretary
MZ	Mike Zerkle	EC
AK	Andy Klein	EC
MVD	Melissa VanDyke	EC
DS	Dion Sunderland	EC
HM	Heather MacLean	EC
TL	Tom Larson	EC
KM	Kathy McCarthy	BoD Liaison
EA	Eric Alderson	Student Liaison