

ANS Fusion Energy Division

Executive Committee Meeting Minutes

3:00 pm to 5:00 pm EST

Sunday November 15, 2009

Parlor #304 room at the Omni Shoreham Hotel, Washington DC

THE CONFERENCE CALL IN NUMBER

Toll-free Number: 800-462-1257

Local Number: 608-237-5850

Passcode: 9743837

Attendees in person: Ken Schultz, George Miley, Nermin Uckan (journal editor)

Attendees by phone: Lance Snead (Chair), Lee Cadwallader (Vice-Chair), Mark Anderson (Secretary/Treasurer), Mohamed Sawan, Rick Kurtz, Laila El-Guebaly (newsletter)

1. Lance Snead called the meeting to order at 3:10 pm. The meeting agenda is attached as Attachment 1.
 2. Mark Anderson stated that the Spring minutes were approved via e-mail 30 days after the meeting and the agenda for the fall meeting was approved via email on 11/7/09.
 3. Mark Anderson gave a summary of the FED budget (Details are given in Attachment 2). It was noted that the income expected from the proceeding 18th TOFE meeting has not been received and that Lee Cadwallader would contact the TOFE chair Jeff Latkowski to find out when the profits would be distributed. Also noted was that this was a 9 month actual and that the expenses for this meeting have not been recorded yet. It was also noted that a budget for 2010 needed to be completed and voted upon. Mark Anderson said he would work with Lee Cadwallader to prepare this budget and get approval via e-mail. We would also add \$500 as a donation to the ANS student conference.
 4. Laila El-Guebaly (FED Newsletter editor) discussed the FED newsletter the December 2009 issue is in preparation and a draft copy was sent out on 11/13/2009. Laila stated that she added a new article "Fission-Fusion Hybrid Workshop" by J. Freidberg and that she was awaiting three articles (FED slate of Candidates, Hybrid workshop and ITER update).
- Nermin Uckan (Journal Editor) gave an update on the publications of the Fusion Science and Technology (FS&T) - see attachment 3
5. Four students representing the 2010 student conference that will be held at the University of Michigan April 8-11 were present to discuss the upcoming meeting. Travis Trahan and Michaela Eddy asked that the Exec committee go to the conference web page (<http://www.studentans2010.org/>) to see the schedule and the details of the conference. Travis asked that the FED support the conference and it was agreed that FED would at least meet last year's commitment of \$500. The informational brochure for the conference is attached as attachment 4.

Student travel assistance to the 19th TOFE was discussed and Lee Cadwallader mentioned that it is typical that the FED typically supports 6 students at \$500/ea to attend and works with the conference organizers for prize funds typically \$1500 total. There was discussion that we modify the student travel assistance program to allow more students to attend. The students should apply for the support and give name and abstract of ~~for~~ the work that they will present before approval. The past criteria for travel assistance were the student was the lead author of a paper at the meeting, and the travel support favored ANS student members first, then spread the assistance among fusion schools.

6. Mark Anderson stated that an e-mail vote for the following slate of candidates was approved on 11-11-2009

Vice-Chair/Chair-Elect: Dr. Minami Yoda (Georgia Tech)
Exec. Comm:
Dr. Mark Tillack (UCSD)
Mr. Keith R. Rule (PPPL)
Dr. Paul W. Humrickhouse (INL)

7. Farrokh Najmabadi or designee were not available for discussion of 19th TOFE. Laila El-Guebaly and Lee Cadwallader are part of the 19th TOFE committee and mentioned that it will be embedded in the ANS national meeting in Las Vegas, November 7-11, 2010. Abstracts are due in April 2010.

8. Lee Cadwallader gave an update on the division by laws. At the Chair's request, Lee reviewed the Standard Bylaws ANS HQ prepared and compared them to the existing FED Bylaws. The Standard Bylaws are generic to apply to any Division, but are not detrimental to our Division. A vote was taken to adopt the Standard Bylaws and it passed. Lee Cadwallader will prepare a set of Division Rules to fill in the specifics of our Division and present these Rules to the Executive Committee at the next meeting.

9. Lance Sneed gave an update on the possible FED scholarship. For a \$2000 undergraduate scholarship it is required that we raise \$40,000 for a \$3000 graduate scholarship it is required that we raise \$60,000. It was suggested that we try to get a named award for a professor and seek funds from previous students or colleagues and try to have some sort of division match. Lance said that he would convene a committee to look into this further and to come up with possible names of Professors or well established fusion community leaders for the named scholarship and to determine the path forward to seek funds for this.

10. Lance Sneed gave an update on the standing of the FED. We have seen a slight membership increase and the division is strong with a rating of Green from ANS national in nearly all of the categories (see attachment 5). It was also discussed that we should have a committee to help determine possible nominations for Fellows.

11. Lance Sneed adjourned the meeting at 4:45pm.

ATTACHMENT 1:

ANS Fusion Energy Division
Executive Committee Meeting Agenda

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1. Call to Order - Lance Snead
2. Approval of meeting minutes - Mark Anderson
3. Treasurer's report and budget - Mark Anderson
4. FED Publications
 - 4.1 Report on FED newsletter - Laila El-Guebaly
 - 4.2 FS&T Update - Nermin Uckan
5. Student-related items
 - 5.1 ANS Student conference - a student to address the FED ExCo
 - 5.2 Student travel assistance to the 19th TOFE - Mark Anderson
6. Slate of candidates - Farrokh Najmabadi or designee
 - Vice-Chair/Chair-Elect: Minami Yoda (Georgia Tech)
 - Exec. Comm:
Mark Tillack (UCSD)
Mr. Keith R. Rule (PPPL) -
Dr. Paul W. Humrickhouse (INL)
7. 19th TOFE Nov. 2010 update - Farrokh Najmabadi or designee
8. Report on Standard Bylaws - Lee Cadwallader

9. Progress on an FED scholarship - Lance Snead

10. New business - Lance Snead

11. Decisions made on-line since last meeting - Lance Snead

Teller medal

Sponsorship of ICENES

Vote for slate of candidates

12. Adjournment - Lance Snead

ATTACHMENT 2

Treasurer's Report - November 2009

Financials:

FUSION ENERGY DIV.

	BUDGET 12 MONTHS 2009	ACTUAL 9 MONTHS 2009
<hr/>		
BUDGET FUNDS		
CARRY FORWARD FROM 2008	17,446	18,021
2008 MEMBER ALLOCATION	1,600	1,654
DIVISION INCOME 2009	10,000	0
TOTAL BUDGET FUNDS	<hr/> 29,046	<hr/> 19,675
BUDGET EXPENSES		
NEWSLETTERS	0	0
AWARDS, PLAQUES	0	64
NATIONAL MEETING COSTS	600	350
DIVISION OFFICER EXPENSE		0
STUDENT SUPPORT	800	300
SCHOLARSHIP/NEED FUNDING	500	0
OTHER EXPENSES	500	0
TOTAL EXPENSES	<hr/> 2,400	<hr/> 714
EXCESS (DEFICIENCY) OF BUDGET FUNDS OVER EXPENSES	<hr/> <hr/> 26,646	<hr/> <hr/> 18,961

Budget funds								
Year	2007	2008	2009	2010 est.	2011	2012	2013	Comments
Carry forward	19,947	18,248	18,021	26,146	22,596	19,396	12,346	
Member allocation	801	~800	1600	~1600	~1600	~1600	~1600	
Division income	0	0	10,000	4,500	0	0	9000	ANS gives the FED \$30/published TOFE paper at embedded TOFEs. Assume 19 th TOFE is embedded. \$1000 from TOFE not received yet. Assume profit from
Total budget	20,748	19,048	29,046	30,646	22,596	19,396	21,346	
Budget expenses								
Newsletters	0	0	0	0	0	0	0	
Awards, plaques	500	1,500	500	1,500	500	1500	500	TOFE years, 2 Prof. awards + 1 Student paper award.
National meeting costs	~500	600	600	900	900	900	900	Est. \$450 per phone setup at June and November ExComm meetings
FED officer expenses	0	0	0	0	0	0	0	
Student support	650	3,650	800	4,650	800	3650	800	Each year incl. \$500 for upcoming annual ANS Student Conference support (assume 1000 for 2010). TOFE years have 6 x \$500 for fusion student travel assistance. Donate \$150 to nuclear student travel support to ANS Winter Meetings.
Scholarship/NEED funds	500	500	500	500	500	500	500	Typical \$500 NEED donation yearly.
Other expenses	350	500	500	500	500	500	500	\$500 "other expenses" are rarely used. 2007 was Landis Challenge II support for a teacher workshop at the June 2007 ANS Summer Meeting
Total expenses	~2,500	6,750	2,900	8,050	3,200	7,050	3,200	
Closing balance	~18,248	12,298	26,146	22,596	19,396	12,346	18,146	

Four year rolling budget

ATTACHEMENT 3

News from Fusion Science and Technology (FS&T) Journal

Nermin A. Uckan, FS&T Editor

During the past 12 months (from October 1, 2008 to September 30, 2009), FS&T received a total of 253 manuscripts. Of the 253 manuscripts, 78 are from North America, 111 are from Asia, 62 are from Europe (including Russia), and 2 is from Others. During this period, FS&T also received 43 camera-ready papers from the 2008 Open Systems Conference (OS2008), published in FS&T Transactions. OS2008 papers are not included in paper counts.

Following dedicated issues have been published during the period 10/1/08 to 9/30/09:

- ARIES Compact Stellarator Study – FS&T Oct 2008
- Selected full papers from EC-15 – FS&T Jan 2009
- Open Systems 2008 – FS&T Transactions Feb 2009
- Selected papers from 18th IFE Target Fabrication – FS&T Apr/May 2009
- TOFE08 Proceedings (parts 1 & 2) – FS&T Jul/Aug 2009
- Tore Supra Tokamak (Cadarache, France) – FS&T Oct 2009

Following issues are confirmed for 2010:

- LHD Stellarator (JA) 10th Anniversary Special Issue – FS&T double issues
- 9th Carolus Magnus Summer School 2009 Proceedings – FS&T Transactions
- Selected papers from APS-DPP 2009 Mini-Conf on Mirrors –FS&T regular issue
- Selected papers from 6th Fusion Data Processing, VV & Analysis – FS&T regular issue

Following issues are planned for 2011 and 2012:

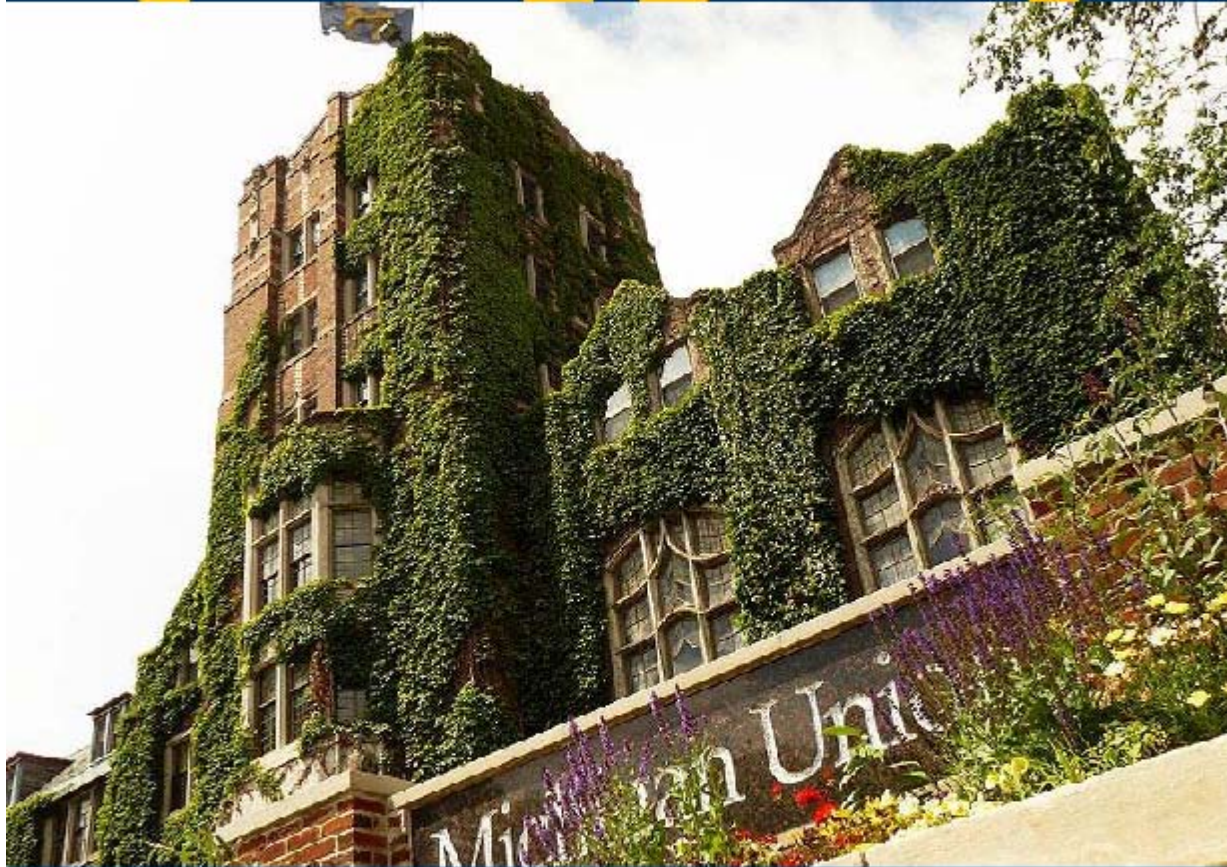
- Selected papers from 2010 EC-16 – FS&T regular issue(s) (2011)
- JT-60U (update of JT-60 Special 2002) – FS&T regular issue (2011)
- 19th TOFE 2010 Proceedings – FS&T double issues (2011)
- 9th Tritium 2010 Proceedings – FS&T double issues (2011)
- Open Systems 2010 Proceedings – FS&T Transactions (2011)
- Cluster of fusion papers from ICFRM 2011 – FS&T regular issue (2012)
- ICENES 2011 Proceedings – FS&T Transactions (2012)
- 10th Carolus Magnus Summer School 2011 – FS&T Transactions (2012)

Please check for your library subscription. Electronic access to FS&T is available from 1997-to-current. Tables of contents and abstract of papers can be accessed at <http://www.ans.org/pubs/journals/fst/>. Individual and library subscribers can access the full text articles at <http://epubs.ans.org/>. Please send your comments on FS&T contents and coverage as well as suggestions for potential future topical areas that are timely and of interest to fst@ans.org.

ATTACHMENT 4:

AMERICAN NUCLEAR SOCIETY 2010 NATIONAL STUDENT CONFERENCE

“Coming Together to Split the Atom”



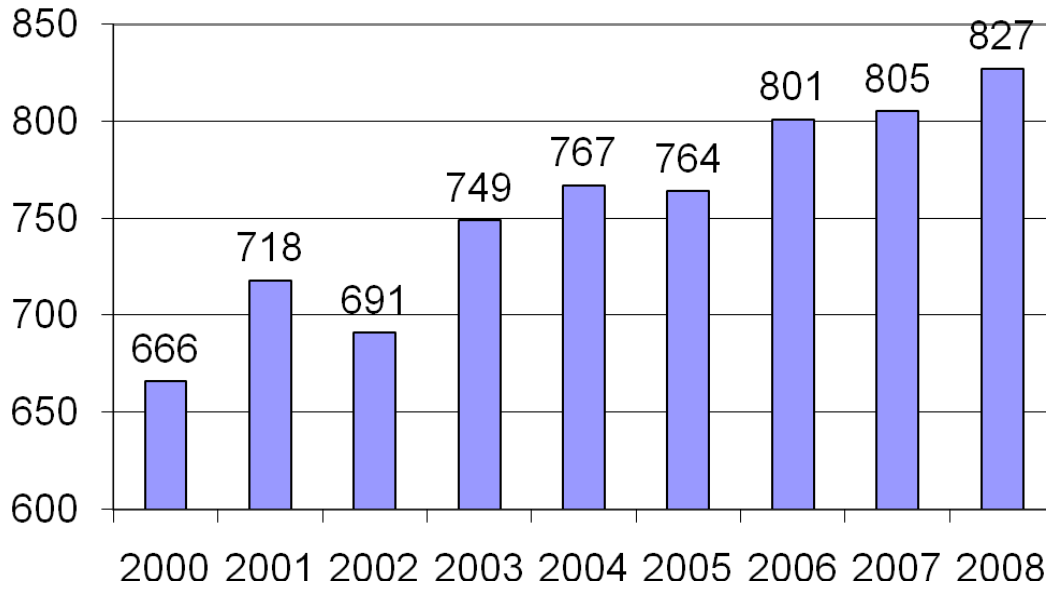
April 8th – 11th 2010

HOSTED BY THE UNIVERSITY OF MICHIGAN
AMERICAN NUCLEAR SOCIETY STUDENT SECTION

See (http://www.studentans2010.org/2010ANSStudent_Prospectus.pdf) for the full prospectus

ATTACHMENT 5:

Fusion Energy Annual Membership



Total ANS membership, steady ~ 7800....

Professional Division Metrics
Fusion Energy Vitality Measures – CY 2008

Division Meetings	Division Governance	Division Contributions to Society	Division Services to Membership
<p style="text-align: center;">National Meeting Participation</p> <p>2008 Embedded Topical co-sponsor 1 plenary; 0 panel 2008 Winter: 1 session / 0 panel</p>	<p style="text-align: center;">Succession Planning</p> <p>Included in 2004-08 Strategic Plan</p>	<p style="text-align: center;">ANS Position Statements</p> <p>12 Fusion Energy, Revised 2008 (Active)</p>	<p style="text-align: center;">Professional Development</p> <p>Established Program Committee - 2006 P. Wilson on ANS Prof. Devel. Comm.; National Ignition Facility Workshop at 2008 TOFE</p>
<p style="text-align: center;">Class I Class II Topicals</p> <p>+25% attendance (135/200) 15th Topical: TOFE 2004 (142 full papers) 18th Topical Mtg on Technology of Fusion Energy</p>	<p style="text-align: center;">Membership Trends</p> <p>764/801 members +4.8% change 2006 801/805 members +.5% change 2007 805/827 members +2.7% change 2008</p>	<p style="text-align: center;">Participation with Outside Professional Societies</p> <p>Fusion has liaison with IEEE Publishes in other journals</p>	<p style="text-align: center;">Scholarships</p> <p>No scholarship established; 2008 contributed to ANS NEED Scholarship</p>
<p style="text-align: center;">Class III Topicals (Embedded)</p> <p>15th Fusion Topical - Nov 02 17th Topical Mtg on Technology of Fusion Energy (TOFE – Nov 2006) 157 full papers; 2008 Embedded Topical co-sponsor Nuclear Fuels – 111 summaries</p>	<p style="text-align: center;">Communications</p> <p>2 newsletters in 2008 website updated in 2008</p>	<p style="text-align: center;">Society Leadership</p> <p>4 of 4 PDC: 75% Exec Comm All NPC Presentation to BoD June 2008</p>	<p style="text-align: center;">Peer Recognition/Awards</p> <p>Edward Teller FED Awards (Achievement & Technical Accomplishment) Best Student Paper Award</p>
	Division	Non-Meeting	Student

	<p align="center">Planning</p> <p>2004-08 Strategic Plan submitted to PDC Chair 2006 Reviewed budgeting process</p>	<p align="center">Publications</p> <p align="center">Fusion Science & Technology Journal</p>	<p align="center">Support</p> <p align="center">2008 Student Travel 2008 Student Conference</p>
		<p align="center">Division's Commitment to YMG</p> <p align="center">Appointed P. Calderoni, Liaison</p>	

Currently, of our 827 members, 22 are Fellows of the society and an additional 16 are Emeritus Fellows. While this proportion of fellows within the Division is consistent with the ANS as a whole, we have had relatively few fellows over the past several years and overall our society is heavy academically, which should naturally bias towards a greater proportion of fellows.