

**Minutes of the June 2013 ANS Fusion Energy Division
Executive Committee Meeting**
June 16, 2013, 3:00 to 5:00 pm EDT (Eastern Daylight Time)
Hyatt Regency Hotel, Baker Room, Atlanta, GA

DETAILED MEETING MINUTES: (see Attachment 1 for Agenda)

In attendance:

Minami Yoda – Chair
Blair Bromley – Canadian Nuclear Society
Trey Gebhart – Graduate student at Virginia Tech
Brian Wirth – ORNL/University of Tennessee (Chair TOFE 2014)
Ahmad Ibrahim – ORNL (YMG liaison)
Nermin Uckan – ORNL/Editor of Fusion Science and Technology Journal
Samuel Briton – MIT Student
Mark Reed – MIT Student
Michael Reilly – Penn State University (accompanied by another student)

Phone/WebEx

Stephen Combs – Secretary/Treasurer
Susana Reyes – Vice Chair/Chair elect
Lee Cadwallader – Past Chair
Paul Humrickhouse – Executive committee member (term ending)
Satoshi Konishi – Executive committee member
Jacob Leachman – Executive committee member
Arnie Lumsdaine – Executive committee member
Juergen Rapp – Executive committee member
Mark Tillack – Executive committee member (term ending)
Kelsey Tresemer – Executive committee member (term beginning)

By Proxy Vote – arranged by Minami Yoda

Yutai Katoh – Executive committee member
Rene Raffray – Executive committee member
Keith Rule – Executive committee member (term ending)

Item #1: Call to order (Yoda) at ~3:00 pm in Atlanta, GA

Item #2 – Winter/August meeting Minutes (Combs)

Minutes from the winter executive committee (ExComm) meeting (August 26, 2012, in Nashville, Tennessee) were sent out, approved by e-mail vote, then were sent to ANS headquarters on September 24, 2012, and put on the division webpage by Mark Tillack.

Item #3 – Treasurer’s Report (Combs)

Current Status of 2013 budget

I mistakenly reported the balance of FED funds available at the meeting. In the report from ANS National, they included an estimate of \$15,000 from TOFE 2012 in the “actual” final financial report for 2012. Since these funds have not been received to date (and will more likely be under \$10,000), I reported \$15,000 more than “actually” existed at the end of April. The information listed in the next paragraph is correct, and this is important since FED is trying to get enough reserves to establish a student scholarship.

As of April 30, 2013, our division had a balance of \$48,414. Our initial balance at the beginning of 2013 was \$48,092. Our income for the first four months of 2013 was \$622 in member allocation; this is one-third (or 4/12) of the total allocation for the year (the monthly allocation is \$155.50 based on 933 members at the beginning of 2013 (\$2 per member). The expected total income for 2013 includes the total member allocation of \$1,866 and ~\$9,000 estimated from the proceeds of the TOFE 2012, resulting in a total of ~\$10,866. The expenses for the first three months of 2013 were \$300 to assist student travel to the two national ANS meetings (June in Atlanta and November in DC). Additional planned expenses for 2013 include \$500 for the ANS NEED scholarship fund, \$600 for conference phone lines during the two executive committee meetings (June in Atlanta and November in DC – costs could be less), and \$500 for miscellaneous expenses (which is rarely used in full). The \$500 that FED provides annually for support of ANS student conferences was paid out in 2012 for the 2013 meeting in Boston (hosted by MIT student section), and thus not an expense in 2013. No other expenses are anticipated for the rest of the year.

A spreadsheet showing the budget projections for the next four years will be presented at the winter meeting and be included in the minutes for that meeting.

Item #4 – FED Publications

4.1 – Newsletter (El-Guebaly)

Laila was not able to participate in the meeting; however, she had already circulated a draft of the June newsletter. Minami remarked that the draft looked great, and meeting participants agreed.

4.2 – Fusion Science and Technology (FS&T) journal- (Uckan)

Nermin gave a brief report on the overall status of the *FS&T* journal. During the period May 1, 2012 to April 30, 2013, FS&T received a total of 262 manuscripts for regular issues. A detailed summary of paper statistics and editorial activities during the period was provided by Nermin and is included as Attachment 2. Selected papers from 20th TOFE 2012 are scheduled for regular issues in August & September of this year. It is

obvious that Nermin and her *FS&T* support staff are staying very busy.

Item #5 – Student-related Items

Minami actually introduced four ANS students at the start of the meeting, and they gave brief reports on the past and upcoming ANS Student Conferences.

5.1 – Report on 2013 Student Conference (MIT)

Samuel Brinton and Mark Reed were representatives from MIT, which hosted the ANS 2013 Student Conference held in Cambridge, MA (April 4-6, 2013). The meeting had a record 536 attendees, with 171 podium presentations and 65 poster presentations. They also stated that \$322,000 was raised for the 3-day meeting, and registration fees were only 9% of that. The bulk of their funding was from donations from nuclear companies, such as Westinghouse, Areva, Pacific Gas and Electric, TerraPower, Southern California Edison, ERIN, Exelon, Duke Energy, and many others. The students reported that it was a great meeting and thanked FED for their support.

5.2 – Update on 2014 Student Conference (Penn State University-PSU)

Michael Reilly and another student representing PSU attended the meeting since their university will be hosting the ANS 2014 Student Conference (April 3-6, 2014). The students requested FED support for the conference. Some brief discussions followed in which FED requested that the Student Conference try to include more fusion-related material.

Move for a single vote on two actions: (1) supporting the 2014 Student Conference with \$500 and (2) providing our usual \$500 contribution for the NEED scholarship this year (2013). Actions were approved unanimously.

The funds for the NEED scholarship will be disbursed within the next month or so, and the funds for the 2014 Student Conference will be disbursed in early January 2014.

Item #6 – Conferences

6.1 – Update on 20th TOFE (Lumsdaine)

Arnie Lumsdaine gave a brief follow-up report on 20th TOFE held last year in Nashville, Tennessee (August 27-31, 2012). The key points are summarized below:

Technical Summary

- 185 attendees from 11 countries
- 96 oral presentations (8 plenary sessions / 14 oral sessions)
- 65 posters

- Town Hall Meeting

Publication Summary

- Proceedings will appear in the August / September issue of Fusion Science and Technology
- 105 papers submitted, 11 rejected, 92 accepted, 2 pending

Financial Summary

Currently projecting a \$35k overage (not including NRL sponsorship funds, pending publication charges)

6.2 – Update on 21st TOFE (Wirth – U. Tenn/ORNL)

Brian Wirth, the General Chair for the 2014 TOFE, gave a brief report on the status of the meeting; it will be an embedded meeting held in Anaheim, CA, November 9-13. Brian said that he received NPC preliminary approval to move forward on conference planning. The organizing committee is in place. Also, Brian is looking at raising funds to cover items that ANS HQ will not, and he is looking at having a short course at the TOFE, perhaps on plasma facing components. The call for abstracts will be distributed just after January 1, 2014. Everything is on track for the 2014 TOFE.

6.3 – Update on 2013 ANS Winter Meeting (Yoda)

Minami pointed out that the National ANS Winter Meeting would be held from November 10-14 (2013) in Washington, DC.

Minami informed the ExComm that Kathy McCarthy of INL (and past FED Chair) requested that FED sponsor a session on the DOE Light Water Reactor (LWR) Sustainability Program. Also, we had discussions on co-sponsoring a session with Radiation Protection and Shielding Division (RPSD); Laila El-Guebaly will be talking on fusion shielding calculations in that session.

Move for a single vote on two actions: (1) approve sponsorship of LWR Sustainability Program session and (2) co-sponsor session on Shielding Problems for Fusion Devices with RPSD. Actions were approved unanimously.

6.4 – Update on TRITIUM-2013, TRITIUM-2016 (Yoda/Reyes)

Tritium 2013: The NPC approved Class IV sponsorship earlier in the morning on the same day as our meeting. Minami Yoda wanted to acknowledge Brian Wirth's help on this activity since she had to leave that meeting early.

Tritium 2016: Susana Reyes led a discussion on this meeting and the possibility of having the FED sponsor the 2016 Tritium Conference (to be held in San Francisco, CA), including what level of sponsorship it should be. The plan is that we will seek class IV sponsorship approval from the NPC at a future ANS meeting.

Move to vote on supporting Class IV sponsorship of the 11th International conference on Tritium Science and Technology (TRITIUM 2016). Action was approved unanimously.

Item #7 – Report on Elections (Cadwallader)

Lee Cadwallader pointed out that the FED has two-year terms for the officers, so no change in officers until 2014. However, the terms of three ExComm members were expiring at the end of the present ANS meeting (June 20, 2013), specifically:

Paul Humrickhouse (INL)
Keith Rule (PPPL)
Mark Tillack (UCSD)

We would like to thank them for their service over the last three years. We are pleased to welcome the following three newly elected ExComm members:

Jean-Paul Allain (Purdue)
Kevin Kramer (LLNL)
Kelsey Tresemer (PPPL)

Item #8 – 2013 Plans:

8.1 – Strategic Plan and Tactical and Succession Plans (Reves)

Susana discussed these plans and requested any comments from ExComm members. The latest versions of these plans were recently provided to the ExComm and other relevant individuals. While discussing the succession plan, Ahmad Ibrahim (FED YMG liaison) was asked to serve as the FED Membership Chair. He agreed to accept this role, and this should help the FED to engage more young members, which is something that the national ANS leadership is pushing.

8.2 – Update on Public Position Statement (Yoda)

Minami requested comments on the most recent version of the Public Position Statement that was recently circulated to the ExComm and other relevant individuals. Some discussion followed.

Move to vote on approving the latest version of the FED Public Position Statement. Action was approved unanimously.

Item #9 – Honors & Awards (Yoda)

9.1 – Edward Teller Medal

This award was established in June 1999 to be presented as an ANS Division award. The Teller Award was established previously by the conference series formerly called Laser Interaction and Related Plasma Phenomenon (LIRPP). It is presently funded by an endowment fund established by the FED of ANS. The Edward Teller Award recognizes pioneering research and leadership in the use of laser and ion-particle beams to produce unique high-temperature and high-density matter for scientific research and for controlled thermonuclear fusion. The award is normally presented at the International Conference on Inertial Fusion Science Applications (IFSA) during odd years.

Move to vote on the approval of the two candidates whose nominations were selected by the honors and awards committee. Action was approved unanimously.

9.2 – New Honors & Awards Committee nominations

Minami proposed a new committee with Nermin Uckan serving as the Chair. The Chair Elect (presently Susana Reyes) also serves on the committee. Three other names were discussed to fill out the committee; however, it was decided that these would not be made public. Some discussions followed with a few ExComm members agreeing that the Chair should have the right to add other members in the future and that international participation should be encouraged.

Move to vote on the approval of the new committee with the option for the Chair to add other members in the future. Action was approved unanimously.

Item #10 – New Business (all)

Minami discussed some of the information from the Division Chair Meeting that she attended at this national ANS meeting. Apparently, the national dues will be increasing in the future by ~\$30 to \$40 per year. “Recommendations for Metrics & Measures reflecting Division Support of Young Members” were discussed briefly and will be discussed more thoroughly at the winter ExComm meeting. Also, a brief discussion about how and what fusion energy information is being conveyed to congressional staffers followed. All of these are key issues and will affect the future of FED.

Item #11 Closed meeting (Yoda) at ~ 4:50 pm in Atlanta, GA

Attachment 1

Agenda:

1. Call to Order (Yoda)
2. Discussion of August 2012 Meeting Minutes (Combs)
<http://fed.ans.org/minutes.shtml>
3. Treasurer's Report (Combs):
4. FED Publications: see attachments
 - 4.1 Newsletter (El-Guebaly)
 - 4.2 Fusion Science and Technology journal (Uckan)
5. Student-related Items
 - 5.1 Report on 2013 Student Conference (MIT)
 - 5.2 Update on 2014 Student Conference (Penn State)
6. Conferences
 - 6.1 Update on 20th TOFE (Lumsdaine)
 - 6.2 Update on 21st TOFE (Wirth)
 - 6.3 Update on 2013 ANS Winter Meeting (Yoda)
 - 6.4 Update on TRITIUM-2013, TRITIUM-2016 (Yoda/Reyes)
7. Report on Elections (Cadwallader)
8. 2013 Plans:
 - 8.1 Strategic Plan and Tactical and Succession Plans (Reyes)
 - 8.2 Update on Public Position Statement (Yoda)
9. Honors & Awards (Yoda)
 - 9.1 Edward Teller Medal
 - 9.2 New Honors & Awards Committee nominations
10. New Business (all)
11. Close meeting (Yoda)

Attachment 2 (page 1 of 4)



FUSION SCIENCE AND TECHNOLOGY
An International Journal of the American Nuclear Society

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June 2013

To: Yousry Azmy, Chair, ANS Technical Journals Committee
From: Nermin A. Uckan, Editor, *Fusion Science and Technology*
Subject: Editor's Report for the Period May 1, 2012 to April 30, 2013

The following is a summary of paper statistics and editorial activities for *Fusion Science and Technology* (FS&T).

During the period May 1, 2012 to April 30, 2013, FS&T received a total of 262 manuscripts for FS&T regular issues.

Of the 262 regular manuscripts, 112 were from North America, 56 from Europe (including Russia), 88 from Asia, and 6 from Others, with the following breakdown: 172 have been accepted, 46 are under review/revision, and 44 have been rejected/withdrawn.

There was no FS&T *Transaction* published in this period.

Following dedicated issues were published during the period 5/1/12 to 4/30/13:

- Selected papers from 15th ICFRM 2011 – FS&T Jul/Aug 2012
- Selected papers from 7th Fusion Data Validation– parts of FS&T Nov 2012 & Jan 2013
- Selected papers from 20th IFE Target Fabrication 2012 – FS&T Mar/Apr 2013

Following issues are scheduled/planned for remainder of 2013, 2014

- IAEA-NFRI Data Evaluation for Atomic, Molecular and Plasma-Material Interaction in Fusion – FS&T May 2013
- Open Magnetic Systems & Plasma Materials Interactions 2012 – FS&T *Trans.* (May 2013)
- Selected papers from 20th TOFE 2012 – FS&T regular issues (Aug & Sept 2013)
- Selected lectures from 6th Int. ITER School 2012 – FS&T regular issue (Jan 2014)
- Selected papers from 2nd IAEA-ITER Materials Technol. – FS&T regular issue (early 2014)
- Selected papers from 16th ICFRM 2013 – FS&T regular issues (mid/late 2014)
- Selected papers from Tritium 2013 – FS&T regular issues (late 2014)

Attachment 2 (page 2 of 4)

Summary of paper statistics during this and previous periods are summarized in below tables and attached charts.

FS&T Manuscripts by Regions [05/01 – thru – 04/30]					
Year	Total Ms Received	North America	Asia	Europe	Others
2012/13	262	112	88	56	6
2011/12	247	33	116	89	9
2010/11	387	120	152	110	5
2009/10	230	105	75	49	1
2008/09	411	194	104	112	1
2007/08	265	89	62	97	17*
<i>Reference 00/01</i>	<i>63</i>	<i>29</i>	<i>23</i>	<i>8</i>	<i>3</i>

*2007/08: some of the conference papers are included under Others – regions not sorted out in the ANS/FS&T database.

FS&T Manuscripts in Progress [05/01 – thru – 04/30]				
Year	Total Ms Received	Accepted/Scheduled	Rejected/Withdrawn	Review/Revision
2012/13	262	172	44	46
2011/12	247	164	83	0
2010/11	387	301	86	0
2009/10	230	145	85	0
2008/09	411	279	132	0
2007/08	265	179	88	0
<i>Reference 00/01</i>	<i>63</i>	<i>41</i>	<i>22</i>	<i>0</i>

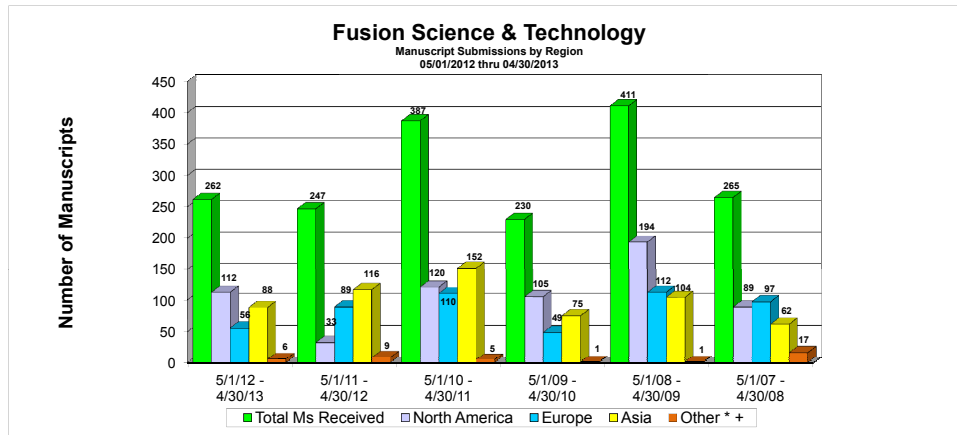
* Papers rejected/withdrawn from pre-review/pre-selection from many of the special issues are not included in paper counts and rejected/withdrawn numbers

Best regards,

Nermin A. Uckan

Nermin A. Uckan, Editor

Attachment 2 (page 3 of 4)



* Other includes countries from the Middle East, South America, Africa, and Australia

+ For 2007 and 2008: Other includes rejected/withdrawn papers from Tritium07 - regions not sorted out

Attachment 2 (page 4 of 4)

