

**Fusion Energy Division
Executive Committee Meeting Agenda
October 31st, 2017, 6:45 to 8:45 pm (EST)
Wardman Park Marriot, Washington DC
Room 8228**

In Attendance:

Arnold Lumsdaine (Chair, ORNL)
Keith Rule (Vice Chair, PPPL)
Blair Bromley (AECL)
Leigh Winfrey (ExComm, UoF)
Greg Staack (ExComm, SRNL)
Trey Gebhart (ORNL)
Jake Quincy (UW)
Matthew Boraas (MU)
Noah Heintz
Dharal Patel (UF)
Samantha Rawlins
Kevin Albertsson (UF)
Gregg Morgan (SRNL)
Nermin Uckan (editor of FS&T, ORNL)
Matt Jasica (UW)
Robert Grove (ORNL)
Jason Wilson (SRNL)
Rachel Brenderman (UF)
Patrick Moo (UF)
Robert Duckworth (ORNL)

On phone:

Kelsey Tresemer (Sec/Treas, SNL)
Lauren Garrison (ExComm, ORNL)
David Donovan (ExComm, University of Tennessee, Knoxville)
Daniel Clark

Note: first 10 minutes of this meeting were not recorded and the Sec/Treas was late calling in, so it is assumed the discussion followed the agenda. o Large turnout for FED Executive Meeting, nearly 15 people, late on Tuesday evening

1. Call to Order (Lumsdaine)
 - 1.1. Welcome and Roll Call
 - 1.2. Welcome to Visitors
Large turnout at this meeting with many of the attendees being students.
2. Discussion and approval of Previous Meeting Minutes (Tresemer)

Tresemmer was not present but minutes were approved in her absence.

3. Treasurer's Report (Tresemmer)

FED Treasury is healthy, with a balance \$25,594.82. This is mainly due to the successes of TRITIUM and TOFE conferences and slightly elevated membership dues.

4. Conferences

4.1. TOFE 2018 (Winfrey)

Panning is on schedule, and the committees are busy organizing sessions. Because of the embedded topical, paper submission follows the same schedule as ANS (submit online according to ANS deadlines). Heavy discussion about how to increase exposure of this TOFE18, since it's an embedded conference – reach out to W7X, ITER, and to other divisions to help bring in diverse speakers. Daniel Clark requested an offline discussion on the publication schedule to ensure funding is available.

4.2. NURER 2018 (Lumsdaine)

On Jeju Island, Class 4 sponsorship approval was discussed during this meeting, but no vote taken.

4.3. TRITIUM 2019 (Lumsdaine)

This conference will be held in Busan, South Korea. Lumsdaine asked committee to vote to approve sponsorship - which class? Discussion on the pros and cons of the classes and which would be preferred. FED has been asked to sponsor this meeting as a class 4. Jim Klein and Lumsdaine met with the TRITIUM 2019 organizer, and he was primarily interested in a class 4 sponsorship. Vote taken and motion passed to support Tritium as a class 4 sponsor.

4.4. Update on Sessions at National Meetings (Lumsdaine)

Lumsdaine is excited about the Winter meeting program. Blair Bromley and Lance Snead both helped support a Materials panel session which hosts fusion and fission representatives: Bill Corwin, Steve Zinkel, Rita Barnwhahl, Rory Kennedy, Daniel Clark, Lance Snead are all panelists. Brian Wirth is the panel chair. Comment from Lumsdaine that this is a start to integrating work between the fusion and fission organizations. Thursday hosts two fusion sessions with Lumsdaine and Rule chairing.

5. Young Member Related Items

5.1. Update on 2018 Student Conference (University of Florida)

Patrick Moo and Rae Brenderman – April 5-7 2018 in Gainesville, FL - FED traditionally gives \$500, but the students asked if there was any way we can increase that. Conference will have a panel on fusion and they ask for volunteers from the FED, Winfrey is also helping to find volunteers and will probably moderate the panel. Lumsdaine is planning on attending and volunteered for the panel.

5.2. Student paper competition (Garrison)

For TOFE 2018, Garrison would like to use the more detailed scoresheet she developed for the last competition and would also like to receive the papers two weeks earlier so that there is adequate time to review. Not a problem as the embedded meeting forces us to follow the ANS publication schedule, which requires papers weeks prior to the meeting. There was discussion during the last ExComm meeting about also having the students do a presentation in addition

to the paper as a part of the review process. General discussion on these pros and cons. Technical Committee (Winfrey) will discuss this further with Garrison and Jascia at a future date and agrees to be the judges for the papers. Students from TOFE 2016 requested constructive criticism be relayed to them, if possible.

5.3. Scholarship update (Winfrey)

No major issues, everything seems to be running smoothly. Seems like the same reviewers are reviewing every year, but no one has complained so far. There seem to be really good pools of applicants each year, but also a clear winner each year.

5.4. Young Member Liaison Update (Jascia)

YPC (Young Professionals Conference) was in DC last weekend. FED donated some funds to the conference and hosted a table at the networking luncheon. Due to quite a large turnout, there are some excess funds which the YMG is inquiring to the divisions on how to proceed.

Webinar through YMG – hosted the first in October which featured FED and two other divisions, giving an overview of the divisions and a few other topics. Webinars are publically available at the YMG website.

YMG LiveStream Platform – any national member can apply for time on the LiveStream. Goes through committee review, but any amount of time can be reserved. Rolled out in Jan of 2018.

ANS Grand Challenges – YMG has been approached as a mechanism to drive the development of these ideas forward. Joint topical with Materials group has been a result of this collaboration. Well done!

Lumsdaine comment: Andy Klein has identified a lead division for each of the 9 grand challenge, plus cooperating divisions who have overlap with each challenge. FED matches with Materials and Advanced Simulation.

Lumsdaine also commented that the excess funds from the YPC can be repurposed by the YMG as they see fit.

6. Nominations (Reyes)

Next June will bring in new officers and ExComm members. Keith Rule will become Chair. Nominations Committee has been hard at work identifying prospective nominations. ExComm: Jan Berry (USITER), Takumi Hiyashi (QST), Patrick Caldarone (INL), Brian Wirth (UT), Gregg Morgan (SRNL), Sec/Treasurer: Lauren Garrison (ORNL), Vice Chair: Leigh Winfrey (UF), Paul Wilson (UW)

Andy Klein (ANS immediate past president) joins the meeting at this point...

Grand Challenges (Klein) – encourages our division to stick our noses in these challenges, to pick up a piece of them and run with it. No item is beyond any division. Andy volunteers to help in any way he can.

7. FED Publications

7.1. Newsletter (El-Guebaly)

Laila expects to receive all articles by Nov 1st, so newsletter is on track for distribution by mid-December.

7.2. *Fusion Science and Technology Journal* (FS&T Editor)

New Incoming editor to FS&T (Congrats, Leigh Winfrey!) confirms that they are in the process of transitioning and she will officially take up office Jan 1st 2018. A few transition editions are going to be launched under Nermin Uckan, and will serve to train Leigh in her new position. Leigh plans on bringing on a few associate editors and a new editorial board in the new year. She has also been reaching out to other professional societies and conferences to try and renew professional relationships which have decayed over the years, which will help FS&T act in a cohesive manner with these other publications.

Nermin Uckan joins the meeting

(Lumsdaine) The Technical Journals Committee has asked the FED for a volunteer to join that committee. Arnie calls for a volunteer from the FED ExComm. Winfrey suggests that this person would also be a good fit for the editorial board for FS&T, so they shouldn't be surprised to get asked to be a part of both organizations. Contact Arnie Lumsdaine if you are interested.

Lumsdaine goes on to thank Nermin Uckan for her dedication and hard work she has performed for FS&T. Last Editor's Report: FED Conferences are all published, plus all the early 2018 needs are completed/organized. Report to be sent for inclusion in the meeting minutes. Next year's special issue is done: IAEA special issue on fusion data analysis and date verification (2nd issue) other one is target fabrication – unsure how this one will continue in the fusion. Another special issue, Fusion Neutronics, is also possible, but details are still being ironed out.

8. Honors & Awards Committee Update (Reyes / Uckan)

Next Honors and Awards chair will be Susana Reyes. Two large awards presented at TOFE conference: Outstanding Achievement and the Technical Accomplishment award. For 2018 TOFE, these award announcements need to be made soon so that people can be nominated. Uckan has some past nominees from which to choose, but would be good to have more. Uckan also cautions that the committee for these awards needs to be healthy, as often one or more members must abstain from voting due to a conflict of interest.

8.1. Honors & Awards – award amount and type (Lumsdaine)

Lumsdaine thinks these amounts are far too low and proposes that we consider naming the awards, and increasing their amounts to \$2500 (Outstanding) and \$1500 (Technical). The ANS has broken up their awards into tiers of different prestige. The top tier gives medals in addition to the cash amounts. General discussion about medals, different awards that do give medals, how the prizes are delivered...argument that medals are quite expensive...some people think they're nice, but some people wouldn't care for them as much. Vote taken on new award amounts only, motion passes.

Nermin Uckan suggests that we as a Division deliver our award announcements within the ANS honors and awards. This would give us more visibility and honor our recipients a bit more. Action given to Lumsdaine to ask Reyes to look into this.

9. Update on Tactical and Succession Plans (Rule)

Annual updates to planning documentation required by ANS. Required by April of each year and approved in June.

Tactical Plan – DRAFT. Rule hopes to circulate it to the ExComm and submit to ANS around the first of the year. Top Goals:

1. Support Leigh Winfrey in transition to Editor of FS&T Journal (Uckan, ANS Goal C)
2. Support planning and attendance of the 2018 TOFE meeting (Lumsdaine, ANS Goal B)
3. Identify location for the 2020 TOFE meeting and support organizer in developing technical committee and submittals to ANS. (Lumsdaine, Rule -ANS Goal B)

Rule also asks for any suggestions of top priorities which need to be included in this Tactical Plan. He then went down the list of goals for FY18 which can be found in the Tactical Plan.

Succession Plan – Rule identified a few places where he was uncertain...

Membership Chair: Ahmad Ibrahim is rotating out of this position. Matt Jascia volunteered to take up this position, but cautions that his near-term availability is subject to the demands of graduation and fatherhood.

Webmaster: Kelsey Tresemer is transitioning out of this role and asks the new webmaster to take up the needs of both honors and awards and the grand challenges. This position does not require the person to be on the ExComm. Jasica will circulate the position among the YMG. Winfrey is interested in being in the loop about the candidate as this new webmaster will most likely interact more closely with FS&T. We might also consider being willing to PAY someone to be the expert in this position.

Liaison MS&T – Lance Snead is happy to continue in this role.

Keith asks the ExComm to look over the Tactical and Succession Plans and weigh in with their comments before the New Year.

10. Subcommittees (Lumsdaine) – Topics were covered by Rule and Item 9.

- 10.1. Program (standing committee)
- 10.2. Web Site (Tresemer)

11. New Business (All)

New ANS President wants to shake up the society a little bit (ANS is running a large deficit, mainly due to drop in advertisement in Nuclear News). New president wants the society to have a clear mission, an agile culture, a clear value to its members. As a division, there is opportunity for us to be a part of this shift and try to identify the value we have to offer ANS and future members. Andy Klein commented that we need to work to try and understand the cost/value proposition that prospective members consider before joining a professional society. Winfrey highlighted the fact that both ANS and FED are places where everyone is welcome and included. The value exists, we just need to communicate it.

Blair Bromley brings up some comments in response to the new ANS presidents mentioning of a possible reduction in the number of committees, divisions, and thinks FED might consider partnering with other groups to become more efficient in this way.

FESAC report comes out in January! Talks about technologies and will be of utmost important to the FED and ANS as they cover transformative technologies.

Vote taken and motion passed to adjourn at 8:54pm EST.

