

Fusion Energy Division
Executive Committee Meeting Agenda

June 19, 2018, 6:00 to 8:00 pm EDT (Eastern Daylight Time)
Marriott Philadelphia Downtown
Meeting Room 307

ExComm Attendees:

Arnie Lumsdaine (Chair)
Kelsey Tresemer (Sec/Treas, phone)
David Donovan (ExComm)
Lauren Garrison (ExCom, phone)
Greg Staack (ExComm)
Chase Taylor (ExComm)
Leigh Winfrey (ExComm, FS&T Editor)

Guests:

Trey Gebhart (ORNL)
Robert Duckworth (ORNL)
Zang Wang (FDS)
James Klein (SRNL)
Wilson Brown (MST)
Yican Wu (FDS)
Zhimn Chan (FDS)
Daniel Clark (phone)
John Kelly
Paul Wilson (phone)
Sarah Wilson (VCU)
Daniel Tincher (VCU)
Dimitris Killinger (VCU)
Blair Bromley (CNL)
Jan Berry (phone)

1. Call To Order, 6:01pm (Lumsdaine)
 - 1.1. Welcome and Roll Call
 - 1.2. Welcome to visitors (Oak Ridge, Hefei, and Missouri)
2. Discussion of Previous Meeting Minutes – approved by email in January of 2018 (Tresemer)
3. Treasurer’s Report (Tresemer):

The Fusion Energy Division continues to experience steady growth, both financially and in regards to membership. For the fourth year in a row, member numbers have grown, totaling 1041 FED members as of December 2017. This steady increase also marks the FED crossing a new milestone: we now comprise 10.1% of all ANS Division membership. Congratulations!

Financial statements are strong at \$24,885.18 as of 3/31/18, though we are slightly behind in membership dues, so if you haven't renewed this year, please do so at your earliest convenience.

We are happy to report that, in light of the successful launch of the Schultz Scholarship which had been the savings goal for the FED for several years, plus two very successful conferences which created strong revenue (2016 Tritium and 2016 TOFE), last year the Executive Committee voted in favor of increasing overall student support from \$1700 to \$2400 which goes to fund students' travel to conferences and other technical awards. The Committee also voted in favor of increases to the award amounts for our bi-annual Outstanding Achievement and Technical Accomplishment awards which are now \$2500 and \$1500, respectively. These awards are given at the TOFE conferences every two years and we hope the new awardees enjoy these changes.

Though these increases do place a greater burden on our budget, our low overall expenses, plus our recent growth and excellent conference revenue allow us to enjoy supporting future fusion scientists and honoring the tireless efforts of our peers.

Lastly, please join me in welcoming Lauren Garrison as the incumbent FED Executive Committee Secretary and Treasurer! It has been my pleasure to serve the ExComm these last six year and I look forward to watching its continued success.

Break in agenda: John Kelly – incoming President of ANS stopped by our ExComm Meeting

Grand Challenges – John expressed his continued support & asks the divisions to keep him informed on the development. Noted that there is a disconnect between ANS and value to members, that we need to think better about creating value & connecting the different groups within ANS, especially different ANS groups around the country. The goal is to work towards a unified ANS. How can we be forward-looking to help meet the needs and desires of our members? He expressed the thought that members would like to see greater advocacy in policy by ANS. How do we improve communication between the organization and the member groups? Professional development for young members might be a solution, but also leadership development, as well. John would like to create more opportunities for members to develop these skills in ANS.

4. Conference Updates

- 4.1. TOFE 2018 (Winfrey): Will be an embedded topical, November of 2018. John Gilligan and Trey Gebhart are Technical Chairs and Leigh Winfrey is the General Chair. Abstracts being run through FS&T in an attempt to leverage that resource and increase the number of published papers. So far, the process is going well, with 150 abstracts submitted (more than the general meeting, at this time). Huge group effort to get this organized and the FED is thankful for the volunteers. TOFE is the main product of the FED and it is critical to our division that both the stand alone and embedded are successful and optimized.
- 4.2. NURER2018 (Lumsdaine): Will be a class 4 meeting, September 2018 in Jeju, South Korea
- 4.3. ICENES 2019: Been asked to support as class 4. ANS support since 1980. Motion to approve class 4, vote taken, motion passed.

- 4.4. TRITIUM 2019: Already approved as a class 4, Busan, South Korea in 2019. Seems to be running a little behind, so we're watching for a call for papers. There was discussion about publishing proceedings in FS&T, but this has not been settled. Winfrey offered to join any future discussions on the topic.
- 4.5. FUNFI3: FED is approved to be class 4 supported. November 19-21, 2019
- 4.6. Sessions at National Meetings (Lumsdaine)
 - 4.6.1. ANS Summer – no sessions to focus on Winter Meeting/TOFE18. FED has been asked to determine which future meetings we wish to sponsor a session, content we might like to have.
 - 4.6.2. TOFE2020: Received calendar placement (Staack, General Chair) April 19, 2020 in Charleston SC. Hope to place hotel contracts this Fall. Savannah River is local sponsor. Some concern was expressed over the date of the conference, as it breaks with convention. By being in the Spring, we compress our schedule by 6 months, but we remove competition with SOFT. There has been pressure from ANS to reduce the total number of standalone meetings over concerns of profitability, but TOFE has always been profitable and has a good balance with being 1:1 standalone to embedded.
5. Student related items
 - 5.1. Report on 2018 Student Conference (University of Florida): No written report this year, but students report a successful conference with 1 fusion session and 5 papers. The FED awarded our first “best paper” award (\$250 prize, plus \$250 to travel to Winter meeting). About 350 students and 70 professionals attended.
 - 5.2. Report on 2019 Student Conference (Virginia Commonwealth University): April 4-6, 2019. They would love donations of money, reviewers, & technical experts, but no specific asks at this time as they are still in early stages of planning. They are including a high school fair as a part of the student meeting, which is a good way of connecting high schoolers with nuclear universities. FED has usually supported the student meeting with \$500.
 - 5.3. Student Paper competition (Garrison) – judging has been organized, website updated with submission information, seamless part of the abstract process. Papers are submitted earlier than other papers to allow them to be judged ahead of the conference. Finalist selected prior and will have a final round of judging at the TOFE meeting. Lauren needs judges who can review papers AND judges who can be at the meeting and can judge the presentations. (Trey) We have ~20 student papers as of now. Discussion on how to handle room logistics of this additional “session” where the student finalists will present and be judged. Lauren recommends it being an open session where people can attend. Winfrey and Trey do not see a problem with making this happen.
 - 5.4. Scholarship Update (Winfrey) Awarded one for 2018, more applicants this year than last year (10-12) with tougher competition. Leigh brought up a concern that though they haven't hit this issue yet, there is only ONE application for many ANS awards, which winning one makes you ineligible for another and we might be constrained by this rule in the future. Also our requirement that their research or career must be

related to fusion in some way, doesn't exclude them from other awards, and we might find ourselves in a position where our candidate pool is limited.

6. Report on Elections (Reyes)

6.1. Election Results: Paul Wilson is vice chair, chair elect. Lauren Garrison (Sec Treasurer), Jan Berry, Takumi Hairashi, and Gregg Morgan. Term of office starts at the end of this meeting. Thanks to Ahman Ibrahim, and Takeo Muroga. Chase Taylor would be rotating off (after completing the last two years of Keith Rule's term) but is filling in for Lauren Garrison's election to Sec/Tres.

6.2. Vacancy Issue: Keith Rule is ending his term as vice chair and is unable to take over as chair due to lack of support from his employer. ExComm voted to allow Lumsdaine to stay on as Chair for one year and then step down. Issue is to determine how the vice chair assumes Chair duties. Lumsdaine suggests that the Vice Chair keep his position for a year, and then assumes Chair duties once Lumsdaine leaves, serving a total of THREE years (as in the bylaws). We will also need someone appointed to Vice-Chair once Paul leaves – to be put on the agenda for the Winter meeting.

7. FED Publications (Lumsdaine) –

7.1. FED Newsletter: Draft has been distributed and a final version will be sent out this week. This is Laila's last newsletter, as she is retiring. Laila offers to work with the next editor to help them through the process, which does not have to be biannual, as it has been in the past. Mostly, the job requires organizing content, rather than generating original articles. General call for volunteers. Garrison mentions need to honor Laila for her commitment and long-standing contributions to the FED. Lumsdaine offers to include this at TOFE. Robert Duckworth volunteered to take on the task.

7.2. FS&T (Winfrey) – Leigh took over in January, but only effectively assumes her new editor position in March. Reports that all is going well so far. Biggest hurdle is to get division members to send papers to FS&T for publishing. She's working to improve the perception of time-to-publish. She has also decided to digitally publish as soon as proofs are approved, which is a nice step up from conventional publications, as the content is available earlier. She's soliciting ideas for special issues of FS&T, so if you have ideas, feel free to email her.

Jan Berry asks for Leigh's opinion on how Technology is being considered with her new position as editor. Leigh hopes to primarily remain a technology journal, particularly with respect to special issues. As people develop new ideas, FS&T can showcase their efforts and stimulate conversations. She also hopes to help new technologies cross over into Fusion from other fields by working with the authors to make good engineering arguments with respect to Fusion.

8. Honors and Awards Committee (Lumsdaine)

8.1. Jake Blanchard became an ANS fellow (former chair). Former FS&T editor, Nermin Uckan, was a huge promoter of fusion people getting their fellow packets submitted, so we must also take initiative to support people by nominating them for awards and distinctions.

- 8.2. Outstanding Achievement Award, Technical Achievement, currently have two and one nominations, respectively. It's a lot of work to put together these packets, but it's worth it. Nominations open until July.
9. Report to ANS Board (Lumsdaine)

Arnie will give his report to the ANS board tomorrow. FED is in good shape, as far as divisions go. We are growing, have healthy financials, and a strong student support base.
10. Subcommittees
 - 10.1. Program (Lumsdaine): FED is focused on TOFE 2018 at this time, though we need to focus on future sessions at other meetings, as well. A panel discussion that tied into our Grand Challenge (nuclear materials) was held at the 2017 Winter Meeting, and was quite successful. Next panel would have to be a bit different, so as not to duplicate, but we should make an effort to actively represent our division. Fusion Neutronics was another successful topic covered at the 2017 Annual Meeting. Co-sponsored sessions are encouraged by ANS, which is something FED does pretty well, but could increase.
 - 10.2. Webpage: Chase Taylor to take over webpage management. (THANK YOU, CHASE!)
11. New Business:
 - 11.1. New Goals (Lumsdaine):
 - 11.1.1. Successful TOFE meeting is the top priority at this time. This means having a strong technical committee and good support for the planning committee from the FED.
 - 11.1.2. Vice chair to develop succession plan. Vice chair agrees in good humor.
 - 11.1.3. How can we help make FS&T transition painless for Leigh and the journal successful? Leigh replies that the best thing the FED can do is help rep the journal to the public.
 - 11.1.4. What should we do with our extra revenue? We've accomplished our goal of a scholarship but we are in good financial shape. What should be our next financial goal?
 - 11.2. Other Business:
 - 11.2.1. Reactor physics division elected Oxford University to host their PHYSOR conference. They are planning on a technical track on fusion, so the FED should engage with the conference organizers to try and get recognition for our Division (Bromley)
 - 11.2.2. Garrison would first like the FED to find a way to recognize Laila and other recently-retired fusion members, acknowledging their efforts and their lifetime of work in the field of fusion, perhaps in the newsletter or at TOFE. Second, recently ANS sent out an email on a new K-12 education initiative/outreach. Lumsdaine: FED was solicited for feedback on this topic, there was an aspect that addressed fusion, but he will close the loop on this. Motion to buy Laila a plaque, vote taken, motion passed.

12. Motion to adjourn, seconded, meeting closed at 8:02pm