

Agenda - MSTD Executive Committee Meeting
2022 ANS Annual Meeting
Monday, June 13, 2022

Zoom meeting
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Meeting ID: 970 8865 5324
Passcode: 946553
Call in at 1-253-215-8782

1. Call to Order (Troy Munro)
Meeting called to order at 9:35pm (EST) by Troy Munro
 - a. Attendance (25 total attendees)
 - i. Division Officers
Troy Munro, Ken Geelhood, Assel Aitkaliyeva
 - ii. Executive Committee Members
Michael Tonks (2025), Cynthia Adkins (2025), Simon Pimblott (2023), Annabelle Le Coq (2024), Maria Okuniewski (2025), Jonathan Gigax (2024), Matthew Swenson (2022), Janelle Wharry (2025), Luca Capriotti (2022)
 - iii. Others Present
Pat Moo, Yi Xie, Scarlett Widgeon, Rory Kennedy, Colby Jensen, Timothy Phero, Jung-Kun Lee, Stephen Lam, Haiyan Zhao, Jake Quincey, Lorenzo Vergari, Lauryn Reyes, Alexander Bataller.
 - b. Welcome New members (Mike Tonks, Cynthia Adkins, Maria Okuniewski, Janelle Wharry)
2. Approval of Minutes, MSTD Executive Committee, Dec 1, 2021 (all)
Ken moved to approve the minutes, Haiyan seconded, all in favor.
3. Committee/Division Member National Recognition (Troy Munro)
 - a. Madeline Feltus – Mary Jane Oestmann Professional Women’s Achievement Award.
Award winners from MSTD are: Lauryn Reyes received best student conference paper, Madeline Feltus received Mary Jane Oestmann award, and Jim Stubbins received Mishima award.
4. ANS 2022 Student Conference Updates (Luca Capriotti/Troy Munro)

- a. MSTD Paper Winners: Lauryn Reyes (undergraduate), Kezia Peck (undergraduate student)
 - No one reached about 5 min student presentation because ANS wants to have the students present at PDC instead of students presenting for each division. Several people noted that they preferred to have students present for each division to get to know them and learn more about student meetings.
 - There were 3 winners for undergraduate and 3 winners for graduate students. Maria noted that Kezia is an undergraduate student and Troy needs to check on the awards and make sure names are correct. The names will be sent to session chairs, so we highlight them before each session.
 - Assel provided an overview of the ANS 2022 and 2023 student meeting.

5. Updates from Presidents Meeting/PDC (Troy Munro)

- Steve Nesbit talked about initiatives that are ongoing, creating society infrastructure for supporting advanced reactors
- Investments are down this year. HQ will be sold today and that will bring in revenue. Gap between revenue and expenses are getting closer to each other.
- Largest area with growth is students and YMG members and it should continue
- Fees for page charges were removed
- TAMU is the largest student section, followed by NCSU and PSU
- Next years all students will be required to be ANS member
- Society to be more proactive in member engagement to improve NE science and technology
- Membership is down from what it used to be, accredited to more accurately measuring membership.
- 2022 ANS Public Policy “Heat Map” was created but it is not clear who has made it because members have not been surveyed. Troy planned to work with Aubrey and membership committee to send polls and surveys to MSTD members. Ken needs to get information on how this map was created and ask about it at the PDC meeting.
- Is it normal to have such large student membership out of entire membership? If we have a lot of students (20% of the society membership), we are not retaining people in the society when students graduate. It could be attributed to increase from student to member fees. ANS covers membership for a year when you register for the conference, which is on part with other societies.

6. Treasurer’s Report (Assel Aitkaliyeva)

a. Budget

Budget was presented.

- We are running at a deficit each year. Our plan was to spend, knowing that it wasn’t sustainable and, in the future, if we get low, we will adjust our plan.

We will start seeing income from topical meetings in the coming years, namely MiNES 2023 meeting.

- Our threshold for spending is \$30K, at which point we will re-evaluate. We need to make an action item for setting a threshold and timeline. We need to discuss how we can increase our financing.
- Note: \$5,000 "Scholarship and NEED Funding" was spend on student travel support

b. Membership stats

Membership statistics for MSTD has been presented and pdf file will be sent out via email.

7. Program Committee Report (Ken Geelhood – chair, Simon Pimblott, Djamel Kaoumi, Stephen Lam, and Yi Xie – members)

a. Overview of annual meeting sessions

MSTD had most sessions at the meeting (7a-l)

b. Planning for 2022 ANS Winter Meeting

Call for papers is open and abstracts are due June 30th. ANS is pushing for firm deadlines and is not interested in extending the submission deadline. Ken is the technical program chair for the meeting. MSTD has several sessions in the meeting.

c. For Summer 2023 Meeting in Indianapolis

- Let Ken know if you are interested in specific sessions, call for papers is open. All sessions that are held this year will be repeated if no new sessions are proposed. For the next year, consider changing 7f to ATF and High Burnup fuels.
- Suggested topics for sessions: moderator materials (hydrides, graphite); microreactors; ;detector materials; in-pile sensors and instrumentation; ageing and concrete; fusion materials; materials for space reactors.
- We can also do panel sessions and Ken can help you set them up

d. TopFuel 2022 (October 9-13 in Raleigh, NC)

- Colby and Ken are program chairs. They received 140 abstracts, ½ submitted as full papers and by end of June everything should be submitted and finalized.

e. MiNES 2023 (December 10-14 in New Orleans)

Held every 2 years and 2023 is ANS year (rotates between ANS and TMS).

f. Embedded Topical Nuclear Fuels and Structural Materials (NFSM) 2023 or 2024?

- 2024 June meeting is already filled up and we were unable to reserve a spot for NSFMS because ANS already had 2 embedded topicals. We were given the

- choice of 2023, which conflicted with MiNES and was too soon. Another option was 2025, which also conflicts with MiNES year even though it is held by TMS.
- Janelle noted that there is a MOU between ANS and TMS, which precludes holding NSFM in the year MiNES is held.
 - Maria pointed out that ANS MSTD declined to have a liaison (similar to what TMS has) at MiNES by a committee vote (in meeting held in 2018).
 - Concerns about MiNES organization were raised by some committee members (discussion falling back to ad hoc meeting held on 1-18-22), recommendation from MiNES organizing committee was to have a constructive conversation between MiNES and MSTD.
 - Copy of the MOU between TMS and ANS with regard to MiNES should be shared with the committee. Janelle shared a copy of the MOU in chat
 - NFSM is not considered a replacement for MiNES since it brings the value to ANS. Troy shared the copy of the NFSM motion in chat
 - Discussion was held about benefits and disadvantages of proceedings/conference papers. Can we remove the requirement for extended abstracts for NFSM since extended abstracts can be a discouraging for some members when they consider submitting an abstract?
 - NFSM should be held on even years when MiNES is not held.
 - Proposal moving forward for MiNES and NFSM will be organized by Simon, Mike, Janelle, Maria, Ken, Rory, Clarissa Yablinski, Anne Campbell.

Proposal to move forward:

- i. Improve the requirement to report to each society and have information within minutes
 - ii. Remove extended abstract required for topicals
 - iii. Continue discussion about doing NFSM in even years
 - iv. Member of MSTD executive committee required to be voting member of MiNES committee.
8. Membership Committee Report (Jonathan Gigax-chair, Annabelle Le Coq, Matt Swenson, Sara Mastromarino-Members)
- a. Newsletter updates
Jonathan gave an update on membership spotlight and the newsletter. The newsletter is primarily done, formatting needs to be updated, need some information from committees as update. Newsletter should include request for participation: for example, MSTD could be doing webinars and we are collecting webinar ideas and volunteers. Also include award nominations in the newsletter.
 - b. EC spotlights
Jonathan needs information from EC members. We want to highlight everyone on the EC so members can get to know EC and get involved in the future.
 - c. What should we include in a poll to division membership?
Sara put together a survey for the members to fill. The intent on the survey is to figure out what the members care about. The questions on the survey are

open for suggestions, Sara will send included questions for inclusion in the minutes.

- d. With Matt leaving, need new EC member
Janelle volunteered to serve on the committee

9. External Relations Committee Report (Luke Hallman – chair, Luca Capriotti, Chaitanya Deo, Jake Quincy, Haiyan Zhao, Vincenzo Rondinella, Alex Bataler – members). Luca Capriotti volunteered to chair this committee going forward

- a. New committee members

Assignments made

- b. YMG (Luca Capriotti)

- c. Education (Chaitanya Deo)

Tabled.

- d. Online content (Alex Bataler) – info sessions

Tabled.

- e. Publicity (Jake Quincy) – mstd.ans.org

- i. New webmaster – Tim Phero

Tim will be the new webmaster and will update the website

- f. International Liaison (Vincenzo Rondinella)

Tabled.

From Email: The current crisis generated by the Russian aggression of Ukraine, and the related energy supply problems, are causing many EU countries to (re)consider their energy mix and its perspectives. The goal is ensuring appropriate autonomy and independence of energy-related supplies. In some cases this includes renewed interest in nuclear energy. The decisions on the national energy mix remain a competence and responsibility of each country, and the debate is affected by uncertainties. Long term operations of existing plants, new builds and new systems (SMR in particular) are part of the discussion.

Within the nuclear community, there are preliminary talks on establishing mechanisms to “share” R&D infrastructure; the main goal is to provide adequate support for education and training, but also to pursue joint programmes. This may open opportunities to extend such efforts across the Atlantic. The discussion is still at a preliminary stage, though.

Events:

- 10th Euratom research and training conferences: on fission safety of reactor systems (FISA 2022), and radioactive waste management

(EURADWASTE '22)[1], Lyon, France, 30 May - 3 June 2022. Co-organized by the European Commission's DG RTD and CEA under the scope of the French Presidency of the Council of the European Union, in cooperation and with support of many local, European, and international organizations. The conferences allowed reviewing and presenting the outcome of European R&D projects performed during the past Framework Programme.

- GLOBAL 2022, July 6-8, Reims, France. New nuclear perspectives in the energy supply crisis and climate emergency. Since 1993, GLOBAL is the largest international forum dedicated to the nuclear fuel cycle. A complete view of the nuclear fuel cycle and its evolution, from mining to recycling up to final disposal of waste will be discussed to shed light on the future of nuclear power.

g. With Luke, Luca, and Chaitanya leaving, we need new EC member and new chair

Mike Tonks and Pat Moo volunteered to join this committee

10. Awards (Cynthia Adkins – chair, Rory Kennedy, Fidelma Di Lemma, Samuel Briggs - members)

a. <http://mstd.ans.org/awards/>

b. Mishima award and MSTD

c. Schumar Scholarship 2022 – (Lance Snead, Maria Okuniewski, Assel Aitkaliyeva, and Simon Pimblott)

1. Committee to look at awards in Nov

2. Submit paperwork by March

d. PowerPoint poster of awardees

e. Special achievement award, Outstanding Achievement Award, significant Contribution Award, 25 year award, Student Literary Award

f. PowerPoint poster awardees (attachment)

Maria volunteered to join the committee. Cindi needs help with nomination for awards. MSTD hasn't given out awards in 6 years (special achievements, etc., anything outside of the Mishima award). Input is needed from committee. Ideas about how to handle nominations are welcome. Awards committee meeting will be called, where committee can define significant achievement, criteria, etc. Perhaps consider setting up an email where you can receive these nominations.

11. Nominating Committee

a. Thank you Colby Jensen and committee

In the past, we tried to keep consistency in the rotation. 2021 committee consisted of Colby Jensen, Simon Pimblott, Chaitanya Deo, Topher Matthews

b. Proposed 2022/2023 Committee members: Troy Munro (ex-chair), Topher Matthews, Tsvetoslav Pavlov, Simon Pimblott

New committee members need to be selected by Troy to have an overlap with previous committee members.

12. Old Business (from Winter 2022)

- a. Discussion on MSTD liaisonship approach.
- b. Venue for irradiation testing technical papers (Richard Howard)
- c. Increasing membership involvement (Troy Munro)
Tabled.

13. New Business

- a. Membership spotlights (Jonathan Gigax)
- b. EC Organization (Troy Munro)
- c. Discussion about paying for student travel for MeV school, Tanner Mauseth (Troy Munro)
- d. New Webmaster (and thanks again to Jake Quincy, our departing webmaster)
 - i. Will need to update website with subcommittees
 - ii. Update EC membership
 - iii. Update awards

Tanner's CV and impact statement for MeV school was sent to the committee with request to cover travel funds by his advisor. MSTD spends \$7500 on scholarships and student support, of those \$1000 are open call. However, MeV is not ANS related event, and we did not have an open call for it. Motion was presented for MSTD committee not to support unsolicited request for travel funds for non-ANS related events – approved by the committee.

14. New action items

1. ACTION ITEM: Confirm names and degrees for MSTD student award recipients
2. ACTION ITEM: Set a threshold and timeline for budget re-evaluation
3. ACTION ITEM for membership committee: address retention issue. Reach out to Aubrey Wittington, Troy to provide Aubrey's contact information to Jonathan.
4. ACTION ITEM: Discuss how to proceed with MiNES and NFSM

15. Adjourn

Meeting adjourned at 11:50pm EST.