

MINUTES OF THE MATERIALS SCIENCE AND TECHNOLOGY DIVISION MEETING
AMERICAN NUCLEAR SOCIETY
NOVEMBER, 2013

- Student representatives came to speak about the 2014 student conference at Penn State. The theme of the conference is iNuc, or innovations in nuclear engineering. The students are asking for support, both monetary but also for judges of talks and posters at the conference. You can find out more info on the 2014 student conference on the ANS webpage. The meeting will include tours to Three Mile Island. There will also be tours of the university reactor, and networking and team building activities for the attendees. They will have five workshops, including workshops on COBRA and SNAP. Melissa Marshall will be speaking about how to engage the audience in public speaking.
- Meeting minutes from June, 2013 meeting were approved.
 - Correction to the June, 2013 meeting minutes: add Jeremy Busby as chair of Environmental Degradation conference

Chair Report: Bryan Chin offered the chair's notes:

**Chair Notes from Saturday PDC meeting, 5pm to 6:30 pm. Hans Gougar
Chair**

- Hans introduced President Don Hoffman and Hoffman spoke about 12 point strategic plan he was initiating. Many changes coming.
- Hans discussed: 2014 dues increase, <36 years is defined as Young Professional Member, problems with e voting not meeting requirements of state of NY where ANS is incorporated. We should vote at the MSTD meeting and not electronically, at the current time.
- Ray Klan, who is in charge of professional division meetings, took over and discussed: How MPTC works and how to schedule meetings. He then went into upcoming changes.
- Each Division will be allowed up to 5 complimentary 1 day registration fee for invited speakers. Division can request more, but will have to pay from them from Division funds. Chair must request by email and cc ANS staff and Chair of National meeting. This includes both ANS and non-ANS members for the complimentary one day registration fee.
- Planning to delete Thursday technical sessions. Try to have one big poster session on Wednesday night that everyone will stay for.
- Trying to change back to old schedule. Committee meetings are not interfering with technical session attendance. Move committee meetings back to 9am Sunday through 4pm Wed.

**Notes from President's session with Division chairs: 8 am Sunday,
President Don Hoffman presented the following:**

- ANS board members conference call with president every month. ANS committee chairs conference call with president every 4-6 weeks.
- E voting: Continue to conduct business. Use conference calls/meetings if possible. Electronic voting is to be used as a last resort.

Strategic Plan:

- Implement strategic plan through parallel thrusts.
- Membership development
 - New category for Nuclear military
- Proposed ANS Utility Engagement
 - One price for predefined benefits
 - ANS Utility professionals membership
 - Supplier membership
 - Labs and university membership
- Stronger Nuclear Policy & Lawmakers Initiative
 - 31 states using nuclear energy target these states
- ANS headquarter operation and performance
 - Executive Director and ANS staff streamlining
- Fundraising for Center for Nuclear Science and Technology
 - Desire to be Technical Voice for all Nuclear Energy
- ANS finances
 - Increase revenues, new products
 - Reduce overhead
 - Introduce new technology software, end of 2014
- Expand Member Participation
- Extend International Influence
 - Through ANS international sections
- Meeting Changes
 - Students attend President reception through a ticket included in their registration fee
 - 5 invited speakers per division complimentary registrations – still under discussion within ANS
 - Move committee meetings back to 9 Sunday through 4 Wednesday
 - Giant poster session on Wednesday, no sessions on Thursday
- Communications
 - Address irrational fear of irradiation within the broader public sphere
 - Improve outreach
 - Center for Nuclear Science and Technology
- Make ANS the society of choice for all nuclear science and technology professionals
 - Promote 75 anniversary of fission
 - Next year 60 anniversary of ANS

Secretary/Treasurer Report: Micah Hackett

- The proposed budget for 2014 was passed around the room for discussion.
- There was a discussion on how best to award travel funding to students for ANS conferences. The student award money proposed is \$1000 per student, with a total \$3000 designated for the national student division for student travel support to national meetings.
 - In the past, student conferences have requested a certain dollar amount from each division, and in exchange for the funds, the division can send a representative for a plenary talk. The “cost” for getting a plenary talk at the student conference happens to be \$3000.
 - There was considerable discussion on how to give student travel support specifically to under-represented, minority or under-funded universities to encourage participation by students who would not otherwise have an opportunity to go to the national ANS meetings. This strategy has been attempted repeatedly in the past, but not successfully, students at these under-represented institutions have not applied for the funds. Thus, someone within MSTD needs to champion this issue if it is to be successful in attractions requests for travel support from students who would otherwise not be able to attend.
 - Arthur Motta, as university liaison, has agreed to explore the issue of how to raise awareness to these students.
 - On the disbursement form for student travel support, MSTD can specify to ANS how to allocate the funds. Typically we would simply direct a disbursement to the ANS student division, which allows them to allocate the funds. However, we can also request student travel support applications from students and then disburse funds directly to the students.
 - Discussion included the potential to target university students who are geographically local to the conference, so that the funds can feasibly be sufficient to cover their travel cost.
 - A proposal was offered to direct \$500 each for three students, both to NFSM and to NuMat (total = \$3000). Yong, Heather and Micah will help Arthur to review student applications. Toni Bishop is the ANS contact for communicating to the entire MSTD list about offering student travel support. It was suggested this email communication to the MSTD list be coordinated with nominations for honors and awards to MSTD.
- Discussion on the inclusion of \$750 to the budget in order to sponsor the NuMat conference in Clearwater Beach, FL in October, 2014.
- There was a motion to approve the budget. The motion was seconded. All approved. The budget was passed as proposed.
- Micah will be checking on whether or not the MSTD website is update properly with executive committee members.

Program Committee: Ken Geelhood

- Ken discussed the sessions related to materials at the winter ANS meeting.
- In Reno for the summer ANS meeting in 2014, there will be no embedded topicals because of NFSM. There will be an online room auction within ANS for room space; but ANS should know what our needs are.
- This will be the 5th NFSM conference. It is structured as a single set of sessions in a single room and is intended to be more general, more educational in flavor for materials scientists who are non-experts on a given topic. Everyone on the executive committee within NFSM are by default to help with organization of NFSM. Session topics and speaker lists are requested from within the committee, and everyone will need to help with reviews.
- The following ANS meeting is Nov. 2014 in Anaheim, CA, and Ken is requesting topical session ideas for the meeting. If there are ideas for topics and someone is also willing to advertise the session, then they should communicate that with Ken Geelhood.
 - Ideas communicated at the meeting: used fuel disposition, nuclear fuels, computational modeling, stress corrosion cracking, accident-tolerant fuel, advanced structural materials, advanced instrumentation
- Top Fuel is in September, 2016

Honors and Awards: Jim Stubbins

- On one day during the meeting, there will be a luncheon for two years worth of awards, including the Mishima Award who will be giving a talk at the luncheon. The Mishima Award is given by national ANS, not MSTD. Heather proposed having the award winners presented during the NFSM plenary on the first day of the conference instead of having a luncheon.
- Honors and award for NFSM include the calendar years of 2012 and 2013, for NFSM in June, 2014. Jim Stubbins requested feedback from session chairs on who presented well in their meetings, because it is difficult to find nominations for the awards.

Nominating Committee: Ken Geelhood

- Nominations for MSTD executive committee were discussed. If anyone has any nominations, please send them to Ken.

Publicity: Travis Knight

- Travis Knight was not present.

International Liaison: Rondinella Vincenzo

- Rondinella was present but had no report.

New Business:

- At the end of the meeting, there was discussion on changing the MSTD meeting time, away from Monday at 7 – 9 pm. The motion was seconded. The proposed times are Monday 3 – 5, Monday 5 – 7, and Tuesday 12 – 2. The actual time of the next meeting will depend in part on initiatives by current ANS president for setting next year's conference schedule.