**Aerospace Nuclear Science and Technology Division (ANSTD)**

**2017 Winter Meeting Sunday Minutes**

**KEY ACTION ITEMS**

1. ANSTD Executive Committee by Feb 2018
   1. Vote to approve Charleston for NETS 2020
   2. Find location for NETS 2019
      1. Tentative Possibilities
         1. Seattle (Chris Morrison & Wes Deason: USNC)
         2. Denver (Jeff King: Colorado School of Mines)
         3. Solicit for possible locations
2. Wes Deason, Christopher Morrison, Jeff King by Feb 2018
   1. Evaluate feasibility of Seattle/Denver as a site for NETS 2019
3. Wes Deason
   1. Develop proposal for service recognition awards for ANSTD
4. Blair Bromley (lead), Chris Morrison, John Bess
   1. Reach out to space radiation experts and organize a workshop or panel for ANS Winter 2018
   2. Talk to NNPD about a non-proliferation panel for ANS Winter 2018
   3. Talk to RPD about a small reactor session for ANS Winter 2018 or later
5. Chris Morrison
   1. Email/Talk to Steve Clement to get student support listed on the NETS 2018 website
   2. Connect Andy Pritchard to Prasad Kadambi
   3. Proposal for partially funding Kennedy Space Center Tour at Student Conference

**DIVISION MEETING MINUTES**

1. Attendees
   1. ANS Winter Meeting 11/8/15
      1. John Bess (Former Chair)
      2. Blair Bromley (Executive Committee)
      3. Margret Marshall (Executive Committee)
      4. Christopher Morrison (Secretary)
      5. Wesley Deason (Executive Committee)
      6. Prasad Kadambi (ANS Standards Committee)
      7. Daniel Gould (Kansas State Ph.D. Student)
      8. Janice Lindegard (ANS Educational and Community Outreach)
2. Technical Program
   1. National Meetings
      1. November 2017 (Washington, DC)
         1. General Session
         2. Co-sponsored student design competition
         3. Thermal Hydraulics of Space Nuclear (no sponsored by ANSTD)
      2. June 2018 (Philadelphia, PA)
         1. General Session
         2. Specialty Fuel for Space/Defense Reactors: Discussion On Performance Specifications

and Nonproliferation Policy-Panel (lead: Chris Robinson)

* + 1. November 2018 (Las Vegas, NV)
       1. General Session
       2. Space Radiation and Shielding Tutorial or Panel
          1. Panel members to be decided
       3. Nuclear Non-Proliferation Panel Co-Sponsored with NNPD
       4. Possibly co-sponsor with RPD a small reactor session
  1. Topical Meetings
     1. NETS-2018 (Las Vegas, NV)
        1. Nevada Local Section
        2. Chair Steve Clement
        3. Papers due Nov. 17
        4. Student support tab on website for student (allocated $2,000 for student travel)
        5. Tours are filling up fast
     2. NETS-2019
        1. Charleston was not able to host NETS 2019 due to conference conflict but will host NETS 2020
           1. Need to find a location for NETS and organizing committee
           2. Deadline for Type I conference is early February
           3. Seattle was tentatively suggested by Christopher Morrison and Wes Deason pending final organization approval

Supported by the USNC organization

Possible partners PNNL, University of Washington

* + 1. NETS-2020
       1. Chair Jeff Brault
       2. Central Savanna River Section
       3. Charleston, NC
    2. PHYSOR 2017
       1. Mexico
       2. Space nuclear session

1. Treasurer’s Report
   1. Budget was prepared and approved via electronic vote.
   2. Stands at slightly less than $27,000
2. Membership, Honors, and Awards Report
   1. Wes will prepare a proposal on service awards to recognize members of the space nuclear community who have contributed to the success of ANSTD and the space nuclear field in general
3. ANS HQ/Professional Division Updates
   1. President’s Meeting w/ Division Chairs
      1. President has issued 9 grand challenges for the ANS
         1. ANSTD mentioned by the president in the “Expedite licensing and deployment of advanced reactor designs.”
         2. ANSTD can play a role in more of the grand challenges
            1. “Establish the scientific basis for modern low-dose radiation regulation.” – space radiation research
            2. “Ensure continuous availability of radioisotopes.” – Pu-238 production
      2. Quote “AND is rapidly moving to a place of irrevlancy and insolvency”
         1. ANS is running a 1.3 million dollar deficit on a 3.3 million dollar budget
         2. ANS is searching for relevance and growth and asks for anyone with ideas to contact the presiendt
      3. Desire to consolidate redundant committees and divisions that don’t have engagement
         1. ANSTD seems to have adequate involvement and isn’t at risk of consolidation
   2. ANS Standards Committee
      1. Prasad Kadambi asked about standards that are under consideration by ANSTD
      2. John suggested we connect Prasad to Andy Pritchard
   3. ANS Educational Outreach
      1. Janice Lindegard talked to the committee members about creating educational content
4. Division Strategic Plan and Succession Planning
   1. Welcome to New officers
      1. Jeffrey Katalenich
      2. Margaret Marshall
      3. Tom Palmer

**STUDENT CONFERENCE MEETING MINUTES**

1. Attendees
   1. Jeff King (Vice Chair)
   2. Christopher Morrison (Secretary)
   3. Patrick Moo (UF Student Organizing Committee)
   4. Rae Bruenderman (UF Student Organizing Committee)
2. 2018 Student Conference
   1. University of Florida
   2. Jeff King to identify ANS student conference winners in ANSTD for NETS travel
   3. Possibility of sponsoring Kennedy Space Center Trip
      1. Tickets and bus for students cost money so organizers are considering limiting the size of the tour
      2. ANSTD could sponsor a certain number of student tickets
      3. Action item to learn more and propose sponsoring a certain number of student tickets for the tour