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

**10/26/16 Telecom and 11/8/15 ANS Winter Meeting**

**KEY ACTION ITEMS**

1. Shannon Bragg-Sitton
   1. Organize plenary session entitled “Small Integrated Nuclear Systems” co-sponsored with ANSTD, OPD, RPD, and THD for June 2016 ANS
2. John Bess
   1. Organize Radiation Protection and Shielding Tutorial for November 2016 ANS
3. Jeff King
   1. Follow up with ANS 2016 Student Conference to determine 3 winners from ANSTD session
4. Rob O’Brien
   1. Ask Paula Cappeletti regarding multi-division co-sponsorship of refreshments at the poster sessions
   2. Organized Fuels and Materials Development for Space Nuclear Applications session for November 2016 ANS
5. Wes Deason
   1. Develop proposal for non-monetary awards for ANSTD
6. Blair Bromley
   1. Organize Compact Reactors for Terrestrial and Space Applications for November 2016 ANS

**MINUTES**

1. Attendees
   1. Telecom 10/26/15
      1. Shannon Bragg-Sitton
      2. John Bess
      3. Blair Bromley
      4. Mike Houts
      5. Jeff King
      6. Andy Klein
      7. Bill Saylor
      8. Michael Eades
      9. Vishal Patel
   2. ANS Winter Meeting 11/8/15
      1. John Bess
      2. Blair Bromley
      3. Michael Eades
      4. Andy Klein
      5. Vishal Patel
      6. Katherin Goluoglu
      7. Andrew Prichard
      8. Kim Burns
      9. Margaret Marshall
      10. Joseph Labrum
      11. Keeton Ross
      12. Joshua Smith
      13. Richard Rolland
2. Secretary’s Report
   1. Laura was unable to attend.
   2. June 2015 minutes were approved electronically.
3. Technical Program
   1. Rob was unable to attend
   2. National Meetings
      1. November 2015 (Washington, DC)
         1. General Session
         2. Re-Establishing Pu-238 Production in the United States (co-sponsored with FCWMD)
      2. June 2016 (New Orleans, LA)
         1. General Session
         2. Panel Session on Small, Integrated Nuclear Systems (co-sponsored with OPD, RPD, THD)
      3. November 2016 (Las Vegas, NV)
         1. General Session
         2. Radiation and Shielding Tutorial
            1. Robert Singleterry from NASA Langley
            2. Blair Bromley to have a Chalk River contact
            3. Possible interest from Jeff Johnson at ORNL and Jim Stubbins at U. Illinois
         3. Compact Reactors for Terrestrial and Space Applications (co-sponsored with RPD)
         4. Fuels and Materials Development for Space Nuclear Applications (co-sponsored with FCWMD and MSTD)
   3. Topical Meetings
      1. NETS-2016 (Huntsville, AL)
         1. General Chair: Omar Mireles (NASA-MSFC)
         2. ANS website updated to reflect proper information and website for the conference.
         3. Want to use the ANS conference App.
      2. NETS-2017 (Cape Canaveral, FL)
         1. Approved for calendar placement: Feb 27 – Mar 2, 2017
         2. Florida Local Section
         3. General Chair: Dave DePaoli (ORNL)
         4. Honorary Chair: Bob Wham (ORNL)
         5. Technical Co-Chairs: Jorge Navarro (INL) and Jeff Katalenich (PNNL)
         6. Publications Chair: Margaret Marshall (INL)
         7. If there is something specific you want to see at Cape Canaveral, then let Katherin Goluoglu know!
         8. Discussed having a High School student poster/projects session like at the old STAIF meetings
         9. Also possibly wine and cheese on the beach while stargazing
         10. Want to use the ANS conference App.
      3. NETS-2018 (Las Vegas, NV)
         1. Nevada Local Section
         2. Pat McClure (LANL), Steve Clement (LANL), Lee Mason (NASA-GRC), and possible Len Dudzinski (NASA-HQ)
      4. NETS-2019 and beyond
         1. Revisit poll results and discuss at future ANSTD meetings
   4. Student Conferences
      1. 2015 Student Conference
         1. Jeff King to identify ANS student conference winners in ANSTD for NETS travel support.
      2. 2016 Student Conference
         1. Mar 31 – Apr 3 in Madison, WI
   5. Other Conferences
      1. Applicability of Radiation-Response Models to Low Dose Protection Standards
         1. Tri-Cities, Washington Sep 23-27, 2018
         2. Interested in participation and support at all levels
4. Treasurer’s Report
   1. Budget was prepared and approved via electronic vote.
   2. Currently have sufficient funding but need to generate additional income from topical meetings to accomplish more.
   3. ANS hasn’t taken out of our budget for speakers at Anaheim. Will wait and see if they update this.
5. Membership, Honors, and Awards Report
   1. Wes unable to attend. He will send out an update later to the EC.
6. ANS HQ/Professional Division Updates
   1. President’s Meeting w/ Division Chairs
      1. Implementing new ANS IT systems.
      2. ANS Collaborate will be available soon as a private “social media” site for ANS members
         1. To eventually replace to old email list-serv
         2. This will not replace the archival website system currently in use
         3. Looking at adding polling capabilities
         4. Let Admins know what folder structure you would like to have available
   2. Report from PD Workshop
      1. Please use our division website for recent updates and the archival website for storing important governance files for the division.
      2. Division governance meetings can be held from Sunday 9 am to Wednesday 4 pm
         1. Not during opening session or president’s special session
         2. Based on room availability.
         3. Technical sessions get priority for space.
      3. National Meeting Manual available and please provide feedback on using it. Topical Meeting Manual is ~80% accurate and needs revised.
   3. BoD Report: Gale Hauck
      1. I failed to capture these in my notes. Please add.
   4. Board Report: Andy Klein
      1. ANS HQ budget looking really bad. They need revenue and conferences aren’t pulling in the budget. Ever-changing DOE travel guidelines are still not clear and have a big impact. Low membership impacts sponsorship and advertising in Nuclear News. There is a possibility to reduce number of annual meetings from 2 to 1 because of low turnout to summer ANS meetings.
7. Committee Assignments
   1. Blair to send out short 1-2 question survey to ANSTD EC as draft. Then a final version to be sent out to ANSTD membership regarding participation, interest, and needs.
   2. Moving ANSTD governance meeting to another day/time
      1. Was unable to move this meeting due to time commitments and room constraints. Can try again at the next ANS meeting in New Orleans.
8. Communications and Public Information Report
   1. Wes and Chris unable to attend.
   2. Nuclear Café
      1. Excellent submission from ANSTD recently sent in.
   3. ANSTD Website
      1. Recently updated to fit new ANS standard. Received excellent kudos from ANS HQ for our rapid and awesome effort.
9. Division Strategic Plan and Succession Planning
   1. New officers
      1. Vishal Patel is the new YMG Liaison
   2. Open positions
      1. Membership Chair position needs filled
      2. Liaisons with other divisions seem like a great opportunity: RPD, OPD, TH, RPSD, FCWD, MST, etc. etc.
   3. Positions to be filled next year
      1. EC positions and Vice Chair
   4. Division Metrics
      1. Shannon to send John and old version of the succession plan to be looked at.
10. YMG Liaison Report: Vishal Patel
    1. YMG now has an EC and PC. Jiyesh Kuntawala is over PC and they are interested in co-sponsoring sessions.
    2. YMG is implementing a best YMG presentation award per division. So something to look forward to doing at the upcoming ANS meetings
    3. Send Linda Zec and email with your photo in front of a nice view with a qupte of why you love nuclear or ANS to get featured on the ANS Facebook banner.
    4. Contact Nick Thompson to get a “why/how” to get involved with ANSTD in the YMG newsletter.
       1. This will be right before next annual meeting
       2. Could also push for NETS participation and student involvement.
11. Other Business
    1. Position Statement
       1. We currently have one position statement. ANS will want them reviewed and revised/removed periodically. They are generally a page in length and represent our position on a topic. Generally a backup paper with references provides the background for the statement.
          1. Position Statement #40: Space Nuclear Technology (2009)
             1. We do not have a background paper and should write one when we review the position statement.
    2. Standards
       1. There are currently no space nuclear standards but we could propose and develop them
       2. Possible standard topics:
          1. Launch of Radioisotope Systems (General)
          2. Launch of 2-5 W Radioisotope Systems
          3. Launch of Nuclear Fission Systems (General)
          4. Disposal of Space Nuclear Waste
          5. Accident Analyses
          6. Criticality/Reactor Safety of Space Nuclear Fission Systems (Transportation, Launch, etc.)
       3. John to contact ANS Standards Board for additional information. Received the following:
          1. Prepare a preliminary Working Group
          2. Develop Scope of Standard
             1. Once established, this verbiage cannot be changed
          3. Fill out Project Initiation Form (PINS)
             1. Identify users, needs, interfaces, etc.
          4. ANS Standards Board will determine appropriate “home” for a given standard
          5. Solidify Working Group
             1. Make sure you have representatives from various stakeholders interested in the outcome of the standard(s)
          6. Develop Standard
          7. Submit for Final Approval
             1. The entire standards process can take several years to complete