

March 12, 2016

10.0 Unfinished Business and Business Conducted Between AdCom Meetings

10.1 Creation of the Jaszczak Award

As the creation of the Jaszczak Award, created in 2013, was not minuted, let it now be read into the minutes that the Ronald J. Jaszczak Award was created to recognize and enable an outstanding graduate student enrolled in an accredited PhD curriculum, Post-doctoral Fellow or Ph.D. level Research Associate in the field of nuclear and medical imaging sciences to advance his/her research activities.

The award is for three years, with a review after the first and second year to determine continuation

11.1 Motions Arising from Technical Committee Reports

11.1.1 Motion from PAST to join Council on Applied Superconductivity

The motion failed. (Note listed on web as 11.4.1).

11.1.2 Motion from PAST re: Advanced Accelerator Concepts Workshop

It is moved that IEEE NPSS provided Technical Cosponsorship if the Advanced Accelerator Concepts Workshop. NPSS members John Cary and Farhat Beg are members of the program committee. PAST and PSAC jointly support the motion. The motion passed unanimously. (Note listed on web and included with 11.4.1).

11.1.3 Motion re: Vietnam Summer School, July 2016:

It was moved by RISC, CANPS and TNC that NPSS allow \$5000 financial support for tuition and expenses at the 2016 Vietnam Instrumentation School. The motion carried.

11.2 Motions Arising from Functional and Appointive Committee Reports

11.2.1 Motions from FinCom

11.2.1.1 Student membership

FinCom moves that all graduate and undergraduate students who are members of IEEE may receive their first year of NPSS membership at NPSS's cost, whether they sign up at a conference or on-line. Carries unanimously.

11.2.1.2 TNS Transition to a Monthly Journal

FinCom moves that it be approved that TNS transition from a bimonthly journal to a monthly journal.

11.2.2: Motion to Accept Revised C&BL

It was moved by the C&BL Committee that the final revisions of the NPSS Constitution and Bylaws be accepted. The motion carried by voice vote.

11.2.3 Motion from Awards Committee to Establish Glenn Knoll Fellowship

NPSS will match Valentin Jordanov's gift of \$75k to establish two Fellowships. Details to come. This has to be worked through with IEEE Foundation and TABARC.

July 16, 2016

10.0 Old Business and Business Conducted Between Meetings

None

11.1 Motions Arising from Technical Committee Reports

None.

11.2 Motions Arising from Functional Committee Reports

11.2.1 Motions Arising from FinCom

11.2.1.1 NPSS AdCom approves 2017 budgeting of \$517k for the initiatives discussed during the Treasurer's Report

16 Y, 1 abstain. Carried.

11.2.1.2 NPSS AdCom approves using available 2016 initiative funds for initial development and first demo pilot of the ISV education test bed

19 Y, 0 N, 1 abstain. Carried.

11.2.1.3 Constitutional amendments

NPSS opposes the constitutional amendments proposed by the IEEE Board of Directors (BoD) because of the potential deleterious consequences:

Because bylaw changes are not yet defined, the effect of approving the Constitutional Amendment is unknown

Based on available information, representation on the new BoD by the societies will go from the current 11 of 31 members to a number that might be zero. Detail is unknown as the bylaws are not yet complete.

Based on available information, the budget process run by the IEEE Operational Finance Committee will report in through the new Enterprise Board, on which Technical Activities will have but one vote of 6-8 members. They will also control the split of IEEE revenues, 80% of which is today earned by the Technical Societies from their products. How much we will have to support our NPSS activities is unknown.

See pro/con discussion at <http://ta.ieee.org/strategic-planning/tab-in-2030>.

Carried

11.2.1.4 FinCom moves to approve up to \$9k per year for WIE travel to WIE conferences and for WIE speakers to attend NPSS conferences as guest speakers at WIE.

Request to increase the funds for NPSS Women in Engineering events to cover travel costs (not to exceed \$1,500/event) for speakers from outside the conference community. Background: Currently the NPSS supports Women in Engineering (WIE) events at our NPSS conferences by providing up to \$5,000/event for food and beverage and audio/video. WIE events are now held at all major NPSS sponsored conferences with attendance at the events increasing every year. Most events feature an invited speaker or leader of a panel discussion who is senior in the conference community. At conferences where the events have been held for several years, we are facing the need to “recycle” speakers from within our conference communities due to the low number of senior women in our technical fields. As such, it is beneficial for our WIE event attendees to invite speakers from outside of the community. Generally, the conferences are able to provide “room comps” for a 2-night stay for speakers who require support, however, these speakers also require support for their transportation and incidentals.

Request to provide one travel grant/year (up to \$3,000/year) for an NPSS/WIE member to attend the Women in Engineering International Leadership Conference (WIEI LC) in 2017-2019. The NPSS Awards Chair will administer the grant.

Background: WIE ILC brings together female and male STEM leaders from around the world. In its second year, 2015 WIE ILC sold out with almost double the attendance over the first conference (over 725 individuals). With attendees from over 40 countries, with 89% professional attendees with more than 2 years experience and with an online attendance of over 1,200 individuals, 2015 WIE ILC was ranked as high value by 95% of respondents. The 2016 WIE ILC returned to the San Jose Convention Center on 23-24 May 2016 with attendance of nearly 1,300 on-site registrations and 38 corporate sponsors. The 2016 conference program included 5 tracks – Innovation, Empowerment, Entrepreneurship, Executive Leadership, and Emerging Technology, with Emerging Technology as the fastest growing track. Lisa Lasareck, the WIE Chair for the Engineering in Medicine and Biology Society, stated on the July WIE telecom that the ILC was the best conference that she has ever attended. Our NPSS president offered to support my travel to the WIE ILC in 2016, however, I feel that support for travel to the WIE ILC should be competed and open to all mid- to senior-level NPSS/WIE members. I suggest a three-year term for this grant with the option of renewal depending on the future need for the WIE-ILC.

19 Y, 0 N, 0 abstain. Carried

11.2.2 Motion from the Communications Committee

A motion from the Communications Committee to run a student video competition to produce short videos to use on our Facebook page and web site was tabled.

November 5, 2016

11.0 New Business

11.1 Motions Arising from Technical Committee Reports

11.1.1 PSAC Cosponsorship of 2017 workshop on Plasmas for Cancer Treatment:

AdCom approves the Technical Cosponsorship of the **2017 International Workshop on Plasma for Cancer Treatment (IWPCT)**, which will be held in Paris, France on March 27-28, 2017. 16 Y, 0 N, 0 Abstain (A)

11.1.2 Technical Cosponsorship of PET-MRI/SPECT-MRI Conference:

AdCom approves IEEE NPSS technical cosponsorship of the 2017 6th Conference on PET-MRI and SPECT-MRI (PSMR). 15 Y, 0 N, 1 A.

11.1.3 MOU for NA-PAC and IPAC Conferences in North America:

11.1.3 MOU for NA-PAC and IPAC Conferences in North America: AdCom approves the new MOU for the APS-DPB, IEEE-NPSS and PAC OC for the IPAC and NA-PAC conferences held in the Americas. 16 Y, 0 N, 0 A.

11.2 Motions Arising from Functional Committees

11.2.1 Motions from FinCom

11.2.1.1 E-membership and Students at schools and workshops: Approve e-membership at 50% of normal NPSS dues as with IEEE dues. NPSS will also offer free first year NPSS and IEEE membership for students at schools and workshops. 15 Y, 0 N, 1 A.

11.2.1.2 Requirements for Membership Desk support: Every NPSS conference, financially sponsored and technically cosponsored, shall provide free conference registrations for 2 people who are there to work the membership desk and not there to attend the conference, and the conference will provide a membership desk in a highly trafficked area. This shall be part of every TCS MOU approved by NPSS and the TC chairs will assure this is part of their conferences. 16 Y, 0 N, 0 A.

11.2.1.3 Unused 2016 Initiative Funds: NPSS approves moving \$100k from unused 2016 Initiative funds to the Smart Village initiative and the funds will be transferred to PES for that purpose. 16 Y, 0 N, 0 A.

11.2.1.4 Membership Dues: For the 2018 budgeting process, NPSS will leave 2018 dues at the current level. 16 Y, 0 N, 0 A.

11.2.1.5 Motion to Support International Workshop on Requirements Development for standard space radiation environment models: See Appendix 11.2.1.4 for background and discussion. The NPSS AdCom approves support for a 3.5-day international workshop on requirements development for standard space radiation

environment models. Support includes \$12K to partially cover the cost of the workshop and up to \$20K to provide travel support for up to 10 members of the radiation effects community to participate in the workshop. The motion passed: 14 Y, 0 N, 1 A.

11. 2.2 Motion from the Publications Committee

11. 2.2.1 TMI MOU: NPSS AdCom approves the renewal of the TMI MOU. 15 Y, 0 N, 1 A.

March 4, 2017

11.2 Motions Arising from Functional Committee Reports

11.2.1 Motion regarding Video Contest: The Communications Committee moved that AdCom approve a budget of up to \$4000 to support a student video competition.

- ❖ The competition will be advertised beginning in June 2017 in the Newsletter, on the web and via Facebook with contributions due 15 December 2017.
- ❖ The video shall be no more than two minutes long and shall be based on the importance and relevance of NPSS to the student. For example, the video might show the relevance of specific NPSS technology to his/her work. The video copyright must be assigned to IEEE.
- ❖ The Awards Committee members shall be the chairs of the Awards, Communications and Membership Committees and additional up to three members they invite.
- ❖ Awards
 - First Prize: Up to \$2500 to attend the NPSS conference of his or her choice, plus certificate
 - Second Prize 128 GB I Pad Pro (\$700) or gift certificate of equivalent value plus certificate
 - Third Prize: \$250 gift certificate plus certificate

The videos will be used on our web site, at conferences between sessions, at the Membership table, and elsewhere as NPSS deems appropriate.
The motion passed.

11.2.2 Motion from the Publications Committee: Publication of a conference-related special issue of a journal shall be at the discretion of the Editor-in-Chief of the journal, subject to approval by the appropriate Technical Committee Chair(s). The motion passed with 1 no and 2 abstentions.

11.2.3 Motion from the Nominations Committee: Whereas the IEEE NPSS Bylaws (6.1) requires approval of the membership of the Nominating Committee, and Whereas membership was defined in the Nominating Committee report to include each TC Chair, the Nominating Committee Chair, and the NPSS President as ex-officio, Be it resolved that the NPSS AdCom approves membership as listed. (See Nominations report, Appendix 8.11.) The motion carried, no one opposing or abstaining.

11.4 Other New Business

11.4.1 IEEE EOC-Election Policy: Whereas the IEEE Board of Directors (BoD) has proposed changes to the Election Oversight Committee (EOC) and Election Policy, and Whereas the NPSS Administrative Committee (AdCom) has discussed said changes, and finds many antithetical to open discourse and transparent governance and election process, and Whereas the NPSS AdCom concludes an EOC independent of the BoD and IEEE President is necessary to ensure a fair election process, Be it resolved that the NPSS AdCom opposes the proposed changes and respectfully recommends creation of an independent EOC.

The motion carried unanimously.

11.4.2 Motion to technically cosponsor LAWPS. It was proposed that the IEEE NPSS technically cosponsor the Latin American Workshop on Plasma Science. A formal motion will be presented for an email vote. The conference will be held in Mexico; about 150 papers are expected with heavy concentrations in plasma science and fusion. Michael Kong is an invited speaker; John Verboncoeur, Sal and members of the Fusion TC are expected to be involved. This is the 11th conference in the series with usual attendance of 100 to 150. The Conference Record would be published in Xplore, and 20-30 papers are expected to be submitted to TPS. Sal Portillo will be responsible for overall quality control.

July 22, 2017

10.0 Old Business and Business Conducted between Meetings

10.1 Approval of LAWPP TCS: AdCom voted 18 yes, 7 no to technically cosponsor the Latin American Plasma Physics Workshop to be held in Mexico.

11.0 New Business

11.1 Motions Arising from Technical Committees

11.1.1 PPST Motion to technically Cosponsor 2018 EAPPC/BEAMS: Moved that the NPSS-PPST Committee Technically Cosponsor the EAPPC/BEAMS Conference (7th Euro-Asian Pulsed Power Conference with the 22nd Intl. Conference on High-Power Particle Beams) to be held on September 16-20, 2018 in Changsha, China. The financial implication is the \$1000 fee for conference technical cosponsorship. We had been TCS for this in the past. Passed unanimously.

11.1.2 PPST Motion to Technically Cosponsor 2018 EML: It was moved by PPST that NPSS technically cosponsor the 2018 EML (Electromagnetic Launch) symposium to be held in St. Louis, France. We have precedent and known PPST members are the technical program chairs. Passed unanimously.

11.1.3 RISC motion to establish the IEEE Emilio Gatti Radiation Instrumentation Technical Achievement Award: It was moved by RISC that the Emilio Gatti Midcareer Award be established. The \$2000 award, plaque and certificate would be presented annually, with funding from the NSS conference budget. The recipient would have a minimum of 10 years' experience in the field. The award has been approved by the Gatti family and is acceptable to NMISC. The recipient would be chosen by the RISC Honors and Awards Committee. All IEEE rulings have been complied with. Passed unanimously.

11.1.4 Motion to Technically Cosponsor IPMHVC 2018: It was moved by the PPST committee that NPSS technically cosponsor the 2018 International Power Modulator and High Voltage Conference (IPMHVC 2018) to be held June 3rd to 7th, 2018 in Jackson Hole, Wyoming. George Laity, an NPSS member, will be general chair. Other NPSS members are involved IEEE DEIS is the sponsor. Passed unanimously

11.2 Motions from Functional Committees

11.2.1 Motions from FinCom

11.2.1.1 Kris Kristiansen Award: It was moved that the IEEE NPSS establish the NPSS Magne "Kris" Kristiansen Award for Contributions to Experimental Nuclear and Plasma Science. This is an annual award of \$2000 administered through the IEEE Foundation and funded through gifts from Aud Kristiansen and the IEEE NPSS. Eligibility requires NPSS membership. Multiple recipients are not allowed; if no candidate is deemed acceptable, no award will be given. See Appendix 11.2.1.1 for detail. Motion carried unanimously

11.2.1.2 Reimbursement Policy: The Reimbursement Policy was approved unanimously – see Appendix 8.7 FinCom Report.

11.2.1.3 Supplemental Funds for Smart Village: FinCom recommends AdCom approve reallocating \$55k of 2017 initiative funding for the Smart Village Sunblazer Rugged project. Approved unanimously

11.2.1.4 2018 Initiatives: FinCom moves that the following initiatives be approved for 2018 and included in the 2018 budget:

- NPSS Instrumentation Schools \$25k
- Conference S/W Development \$65k
- Internet Connectivity for Education and Business \$145k
- In-Process Conference Management Tool \$125k

Motion approved unanimously.

11.2.1.5 Indico Development: FinCom moves that \$12k of 2017 initiative funding be reallocated for further development of the Indico conference software. The motion carried unanimously.

11.3 New Business Arising from Liaison Reports: None.

11.4 Other New Business: The Minutes are amended to read that AdCom 2018 will be on Nov. 10th in Sydney, Australia.

October 28, 2017

10.0 Old Business and Business Conducted Between Meetings: None.

11.0 New Business

11.1 Motions Arising from Technical Committee Reports

11.1.1 CALOR2018: The RISC TC moved the NPSS technically cosponsor CALOR2018. Passed by voice vote.

11.1.2 PSMR 2018: The NMISC moved that NPSS technically cosponsor the 2018 PET/MR – SPECT/MR conference to be held on Elba in May 2018. More than half the organizing committee are active NPSS members. This is a conference that might in future publish in TRPMS. Approval unanimous.

11.1.3 First Asian-Pacific Symposium on Plasma and Terahertz Science and Technology: It was moved by PSAC that NPSS technically cosponsor the first Asian-Pacific Plasma and Terahertz Science and Technology Conference. See Appendix 7.6 for much detail about this conference and its organizers. The motion carried with two abstentions.

11.1.4 Radiation Effects Early Career Award: Radiation Effects TC moved that a Radiation Effects Early Career Award be established, described as follows:

The award is given to individuals who have made technical contributions that have had *significant impact on the radiation effects community during the first ten years of their career (years since receiving their terminal degree)*. Examples include work that provides noteworthy solutions to important technical problems in radiation effects, or work that identifies significant new issues in the field. The award will consist of a plaque along with a cash award of \$1,500, presented at the annual Nuclear and Space Radiation Effect Conference. It is the intent of the RESG to give special consideration for this award to members of the community who are IEEE/NPSS members.

The motion carried unanimously.

11.2 Motions from Functional Committees

11.2.1 Motions from the Finance Committee

11.2.1.1 Child Care Grants: It was moved to make Conference Child Care grants an NPSS-supported activity at the current fiscal levels for NPSS financially supported conferences. For the purpose of childcare activities, any combined NPSS conferences will be considered as separate conferences. Carried unanimously.

11.2.1.2 Change Reimbursement Policy Wording: ... Functional Committee chairs. Liaison members and EICs who need travel support beyond AdCom meetings related to their positions, shall, at **last AdCom meeting of the year**, provide the NPSS Treasurer

with a detailed budget of what support they will need the following year. Carried unanimously.

11.2.1.3 Reimbursement Policy Modification: Liaison members of AdCom are funded by NPSS to attend one AdCom meeting each year. NPSS Presidents may make exceptions as they deem necessary. Unanimous.

11.2.1.4 FinCom moves to implement the following policy for Technically Cosponsored Conferences: AdCom will individually determine if NPSS will pay the MCE TCS Fee for each of the conferences considered for Technical Cosponsorship (TCS). The motion carried (11 Y, 6 N, 4 A).

11.2.1.5 CANPS Award: FinCom moves that the CANPS Conference Award be elevated to the level of other NPSS Technical Committee awards for outstanding contributions to the field of the technical committee. This will make the award a NPSS Society Award with the amount increased to \$3000. The award will be given at each Real-Time conference (biennial). Carried (20 Y, 0 N, 1 A).

11.2.2 Motion from the Awards Committee: The NPSS endorses the following changes to the NPSS Ronald J. Jaszczak Graduate Award as proposed by Ron Jaszczak:

- Change the current 3-year Award to 1 Award per year
 - Initial 1-year Award to be presented in 2019
 - Eliminate U.S. citizenship requirement
 - Increase maximum eligibility age to 35 years old
 - Allow nominees from both Universities and Research Institutes
 - Nominee must be a regular or student member or have applied for membership of IEEE NPSS by nomination submission deadline date
 - Simplify nominee review process (i.e., nominee to be selected directly by the IEEE NPSS Award Committee)
 - Allow NPSS AdCom to consider increasing Award amount should IEEE Foundation increase maximum Award allowable amount in the future
- The motion passed unanimously and will go to TABARC.

11.2.3 Requirements for Sponsored, Cosponsored and TCS Conferences: The Communications Committee Resolves that conference chairs of sponsored, co-sponsored and technically co-sponsored conferences are required to:

1. Provide a high-traffic area for the Membership booth.
2. Give the volunteers manning the booth, as they are not attending the conference, up to two free registrations will be provided.
3. The same volunteers should be considered for comp rooms (except TCS conferences)
4. All conference materials, web pages, applications and welcoming talks should clearly mention and promote IEEE, NPSS and the relevant Transactions.
5. The sponsored conferences enable the NPSS to have award, WIE, Young Professional, conference child-care grant and schools programs.

This will be voted electronically and read into the March minutes.

11.4.1 Code of Conduct for NPSS Meetings: Stefan presented a Code of Conduct for NPSS meetings derived from those used for APS meetings. See Appendix 11.4.1. Link to IEEE Policy against Discrimination and Harassment is to be placed on all conference web pages and nominate Allies during conferences who can help with ethics, breach of conduct issues.

March 10, 2018

10.0 Old Business and Business Conducted Between Meetings

10.1 Space Environment Engineering and Science Applications Workshop: Funded by US Science Foundation and NPSS. Workshop was held at NOAA in Boulder, CO. Janet Barth managed NPSS funds. Goals include broadening and supporting Radiation Effects interest in space radiation environments; improve alignment of research priorities; provide a venue to develop roadmaps, increased interactions between research and practitioner communities. Results include developing five roadmaps and more. See Appendix 10.1 for full detail and a link to presentations given at the workshop.

11.0 New Business

11.1 New Business from Technical Committee Reports

11.1.1 Megagauss XVI TCS: The PPST Committee moves that NPSS technically cosponsor the 16th International Conference on Megagauss Magnetic Field Generation and Related Topics, to be held in Kashiwa, Japan in September 2018. NPSS will cover the MCE \$1000 fee.
Passed unanimously.

11.1.2 ISHCE TCS: The PPPST Committee moves that NPSS technically cosponsor the 20th International Symposium on High-Current Electronics, ISHCE, to be held September 16th – 22nd in Tomsk, Russia. NPSS to cover the \$1000 MCE fee.

Passed unanimously.

11.2 New Business from Functional Committee Reports

11.2.1 Motions from FinCom

11.2.1.1 SOFE 2019 Support: NPSS Approves a one-time grant of up to \$25k to SOFE-2019 to be used for attendance of students from Chinese universities, NPSS to approve this motion as an initiative to bring more Chinese participation to US conferences. 16 Y, 7 N, 1 Abstention. The motion carried.

11.3 New Business from Liaison Reports: None

11.4 Other New Business

11.4.1 Affirmation of the TAB Code of Ethics: It was moved by Frank Hegeler, seconded by Bryan Oliver, that the NPSS AdCom reaffirm the IEEE TAB Ethics statement. See Appendix 11.4.1 for text.
The motion passed unanimously.

11.4.2 Discussion of Two vs. Three AdCom Meetings Yearly: Brendan Godfrey introduced this topic. Lively discussion led Stefan Ritt, President, to appoint an ad hoc committee to study this and to report at the July AdCom meeting. Such a change would require an amendment to our Bylaws.