

IEEE Nuclear and Plasma Sciences Society Constitution and Bylaws

March 2021

Constitution

Article I – Name and Object

Section 1. This organization shall be known as the IEEE Nuclear and Plasma Sciences Society.

Section 2. The Society's purpose shall be scientific and educational in character. The Society shall strive for the advancement of the theory and practice of electrical and electronic engineering and of the allied arts and sciences and for the maintenance of high scientific and technical standards among its members, all in consonance with the Constitution and Bylaws of the IEEE and with special attention to such aims within the field of interest of the Society, as hereinafter defined.

Section 3. The Society shall aid in promoting close cooperation and exchange of technical information among its members, affiliates, and interested nonmembers, and, to this end, shall hold meetings for the presentation and discussion of original contributions, shall publish transactions reporting advances within the scope of the Society, and, through its committees, shall study and otherwise provide for the needs of its members and affiliates.

Article II – Field of Interest

Section 1. The fields of interest of the Society are the nuclear and plasma sciences and related emerging technologies. Areas of technical activity include: computer applications in nuclear and plasma sciences; fusion technology; nuclear and medical imaging; radiation instrumentation; radiation effects; particle accelerator science and technology; plasma science and applications; pulsed power science and technology; and nuclear power instrumentation and control systems.

Section 2. The Society shall devote itself to publication or other dissemination of original contributions to the theory, simulation, experiments, educational methods and applications of these fields, and to the development of standards. The process for modifying the Field of Interest shall be in accordance with the procedures in the TAB Operations Manual and the procedure defined in Article VIII of this Constitution.

Article III – Membership

Section 1. Membership in the Society shall be available to all members of the IEEE having an interest in the nuclear or plasma sciences.

Section 2. Affiliates may participate in the activities of the Society as provided by the IEEE Bylaws and subject to the applicable IEEE rules and regulations and to any additional limitations imposed by the Society Bylaws.

Article IV – Finances

Section 1. The Society shall collect from each member and affiliate an assessment or fee in accordance with IEEE Bylaws and applicable rules and regulations. The amount of the fees shall be established by the NPSS AdCom.

Section 2. The Society may charge registration fees at its technical meetings, symposia, conferences, and conventions. The registration fee for nonmembers of the IEEE shall be higher than for members in accordance with IEEE policies.

Section 3. The Society may raise revenues by other means such as, but not limited to, advertising, shows, requests for contributions, and charges for sending out notices to non-Society members, and by publishing Transactions, Conference Proceedings and other technical documents, provided such means are consistent with applicable IEEE rules and regulations.

Section 4. The fiscal year of the society shall be the same as that of the IEEE.

Article V – Administration

Section 1. The Society shall be managed by an Administrative Committee (AdCom) consisting of 16 directly elected members, plus certain ex officio members, including the Chairpersons of each Standing Technical Committee, as specified herein and in the Bylaws. The number of directly elected members shall always exceed the number of ex officio members with voting rights.

Section 2. The terms of office of the directly elected members shall be four years. Elections of members shall be held annually to fill vacancies for the coming year. The terms of office of the ex officio members shall be specified in the Bylaws.

Section 3.

(a) The affairs of the Society shall be managed by the President, as directed by the AdCom, and in accordance with the powers and duties as defined hereunder and in the Bylaws. In the event of the President's prolonged absence or incapacity, the Vice President shall take over the presidential duties until the President is able to resume his responsibilities.

(b) In the event that neither the President nor the Vice President is able to perform the presidential duties, then the most recent Past President shall do so until either the President or the Vice President is able to resume their duties. In the event that neither the President nor Vice President is able to perform their duties, or if both are incapacitated, or if both offices become vacant for a period of greater than 60 days, the AdCom (under the direction of the most recent Past President) shall promptly elect an Acting President from among the eligible elected members to assume the duties of President until either the President or Vice President takes or resumes office, or until the next election.

(c) The President shall appoint a Secretary and a Treasurer for the Society, and persons to fill other roles as called for in the Bylaws or as needed.

Section 4.

(a) The President and Vice President shall be elected for coincident two-year terms by the voting members of the AdCom from among the eligible members of the AdCom. These elections of President and Vice President shall be held as defined in the Bylaws.

(b) All directly elected AdCom members are eligible for election as President or Vice President. In addition, the Vice President is eligible for election as President. No individual may be elected to two successive terms as President.

(c) In the event the Vice President is required to complete the term of the President, the Vice President will be eligible to run for President in the next full-term election.

(d) The Vice President will, except under circumstances deemed unusual by a majority of the voting members of AdCom, become the sole nominee for the succeeding Presidential election.

Section 5. The AdCom shall utilize the services of IEEE Headquarters as bursar for Society funds as provided by the IEEE Bylaws, rules, and regulations. If any part of the Society funds is received and deposited separately, the terms and conditions shall be in accordance with IEEE policies and subject to the provisions of Society Bylaws and to any special limitations that may be imposed by the AdCom.

Section 6. The President shall be an ex officio member of all committees of the Society. As a member of the IEEE Technical Activities Board (TAB), the President shall ensure appropriate representation of the Society at IEEE and TAB meetings by personal attendance, or by the alternate as defined in the TAB Operations Manual.

Section 7. The work of the Society shall be conducted through the AdCom and through both standing and ad hoc committees as provided herein and in the Bylaws. Further information on the policies and procedures can be found in the NPSS Policies and Operations manual.

Section 8. The President shall appoint the Chairs of the standing Functional Committees provided in the Bylaws. Other special or ad hoc committees may be authorized and appointed by the President.

Section 9.

(a) Standing Technical Committees may be administered by either elected or appointed committee officers as specified herein and in the Bylaws.

(b) Each Appointive Standing Technical Committee shall be directed by a Chair who shall be appointed or reappointed annually by the President of the Society as specified in the NPSS Bylaws. Appointive Standing Technical Committees are encouraged to prepare a Constitution and Bylaws, which shall be reviewed and approved by the AdCom upon request.

(c) Each Elective Standing Technical Committee shall consist of at least 15 members and shall be governed according to a written Constitution and Bylaws approved by the committee and by the AdCom which shall include the following:

- (1) Provision for periodic election of officers;
- (2) Provision for amendment of their Constitution and Bylaws subject to the approval of the AdCom;
- (3) A statement of criteria for membership.

Section 10. The AdCom may remove any individual from any NPSS position, with or without cause, according to the process specified in the Bylaws.

Article VI – Nomination and Election of Administrative Committee Members

Section 1. Nominating procedures shall be as prescribed in the Bylaws and shall include provision for nomination by petition of Society members. Those nominated by petition shall be included on the ballot and shall be so identified. To be considered as part of the slate of candidates for any position, a petition must contain the original signatures of a minimum of 2% of the eligible Society members. The number of signatures required on a petition shall depend on the number of eligible society voters as listed in the official IEEE membership records at the end of the preceding year. Signatures can be submitted by signing and mailing a paper petition or electronically through the official IEEE annual election website. The name of each member signing the petition shall be clearly printed or typed. For identification purposes, signatures on paper petitions shall be accompanied by membership numbers or addresses as listed in the official IEEE membership records. Only signatures submitted electronically through the IEEE annual elections website or original signatures on paper petitions shall be accepted. Facsimiles or other copies of the original signature shall not be accepted.

Section 2. The election process of the members of the AdCom shall be as prescribed in the Bylaws.

Section 3. In the case of an AdCom vacancy, the President may appoint a replacement to fill the position. That appointee shall serve only until any remaining portion of the incomplete term or new full term can be filled in a regularly scheduled election. The sum of the partial terms served on AdCom as an appointed and elected member does not count towards established term limits.

Article VII – AdCom Meetings

Section 1. The AdCom shall meet as required to conduct business and in accordance with the Bylaws. Meeting of the AdCom shall generally follow Robert’s Rules of Order.

Section 2. A majority of the voting members of AdCom or any committee thereof shall constitute a quorum.

Section 3. The vote of a majority of the members present and entitled to vote, at the time of a vote, provided a quorum is present, shall be the act of the AdCom, or any committee thereof, except when the Constitution or Bylaws requires a greater majority.

Section 4. The AdCom or any committee thereof may meet, vote, and take action by any means of concurrent communication. The normal voting requirements for quorum and majority shall apply when action is taken by any means of communications allowing all the persons participating in the meeting to communicate with each other at the same time.

Section 5. The AdCom or any committee thereof may take action without a meeting if applicable (e.g. email voting). An affirmative vote of a majority of all the voting members of the AdCom or any committee thereof shall be required to approve the action. The results of the vote shall be confirmed promptly in writing or by electronic transmission. The writings and/or electronic transmissions shall be filed with the minutes of the proceedings of the AdCom or any committee thereof. “Electronic transmission” means any form of

electronic communication (such as e-mail) not directly involving the physical transmission of paper, that creates a record that may be retained, retrieved and reviewed by a recipient thereof, and that may be directly reproduced in paper form by such a recipient.

Section 6. All votes and actions taken by the AdCom or any committee thereof shall be recorded in the minutes of the appropriate body. Votes and actions taken between meetings shall be recorded with the minutes of the next meeting. The Secretary of the appropriate body shall be responsible for creating and recording these Minutes, and ensuring that they are both archived and available to all NPSS members.

Section 7. Proxy voting is not allowed.

Section 8. Individuals holding more than one position on the AdCom, or any committee thereof, shall be limited to one vote on each matter being considered by the AdCom or committee.

Article VIII –Conferences

The Society may hold meetings, conferences, symposia or conventions either alone, with other IEEE organizational units, or in cooperation with other organizations, subject to applicable IEEE rules and regulations.

Article IX – Publications

Section 1. The Society shall support a program by which Transactions, Conference Proceedings, newsletters, and other forms of publication appropriate to the Society's activities and fields of interest are published and distributed. Publications undertaken by the Society shall be subject to IEEE policies and to further guidance and controls prescribed by the AdCom or its duly appointed committees.

Section 2. All publications of the Society shall have unrestricted circulation, subject only to the payment of appropriate fees.

Article X – Amendments

Section 1. Amendments to the Constitution may be initiated by approval by a two-thirds (2/3) vote of the AdCom at an AdCom meeting, provided that notice of the proposed amendment to the Constitution has been sent to each member of the AdCom at least three weeks prior to such meeting. After such approval, the proposed amendment shall be publicized in the Society Newsletter, with notice that it will be submitted by the Secretary of the Society to the Vice President Technical Activities for final approval unless at least twenty-five Society members object within 60 days of the date of mailing of the notice. If such objections are received, the AdCom may reconsider its recommendation, or a copy of the proposed amendment shall be distributed with a ballot to all members of the Society at least 45 days before the date set for the return of the ballots; the ballots shall carry a statement of the deadline for their return. Ballots will be distributed and tallied by IEEE Headquarters. When a vote, as prescribed by IEEE procedures, of the entire Society membership is made necessary, approval of the amendment by at least two-thirds (2/3) of

the ballots returned shall be necessary for its enactment. If approved by Society members, the proposed amendment will be submitted by the Secretary of the Society to the Vice President Technical Activities for final approval. The amendment shall take effect immediately upon approval by the IEEE Vice President Technical Activities. If the amendment changes the membership of AdCom, the then current AdCom members will continue to serve until their terms expire.

Section 2. Amendments to the Constitution and Bylaws may also be initiated by a petition submitted by at least twenty-five members of the Society to the President or Secretary of the Society, who shall immediately notify the AdCom of the proposed amendments, and these shall be considered at the next AdCom meeting held at least three weeks following the notice to the AdCom members. Should the AdCom approve the amendments by at least a two-thirds (2/3) vote, the amendments will be implemented as in Section 1. In the event that the necessary majority is not attained, then the amendments, together with any supporting material from the members proposing the amendments and a summary of the AdCom position prepared by the President or designee, shall be published in the next Society Newsletter. Following publication, a ballot of all Society members shall be held, as described in Section 1, and the subsequent steps outlined there shall be followed.

Section 3. Society Bylaws and amendments thereto may be adopted by a two-thirds (2/3) vote of the AdCom, provided that notice of the proposed Bylaw or amendment has been sent to each member of the AdCom at least three weeks prior to the meeting at which the vote is held; or a Society Bylaw, or amendment, may be adopted by a two-thirds written vote of the eligible voting members of the AdCom, provided a two week period is provided for such responses. In either event, the proposed Bylaw or amendment shall be published in the Society Newsletter. The revision to the bylaws will take effect following Society AdCom approval, publication in the Society Newsletter, filing by the Secretary of the Society with the Secretary of the Technical Activities Board, and Approval by the IEEE Vice President, Technical Activities.

Article XI – Periodic Review

Section 1. The President shall appoint five members of the AdCom every five years to evaluate the effectiveness and currency of this Constitution and Bylaws, to study the rules and governance required by the activities of the Society at that time, and to define the changes appropriate to the existing and anticipated needs of the Society. The committee will be chaired by the Vice President, and will submit a report on proposed revisions to the Constitution and Bylaws in time for action by AdCom no later than the last AdCom meeting of the year.

Bylaws

1. Membership: There shall be two grades of Society membership: Student Members and Higher-Grade Members. Student members shall have all the rights and privileges of Society membership with the exception of the right to vote and to hold office. Members of the IEEE in all grades may become members of the Society upon payment of the dues specified in Bylaw 3. Life members' dues are waived as provided in IEEE Bylaws.

2. Affiliates: Nonmembers of the IEEE who are members of certain other organizations accredited by the IEEE as provided in IEEE Rules and Regulations may become affiliates of the Society upon payment of the dues and fees specified in Bylaw 4. The rights of Affiliates shall be as specified by IEEE rules, regulations, and policies.

3. Membership Dues: The assessment or dues for membership in the Society shall be established by the AdCom. It will include the NPSS Newsletter as well as any other membership benefits endorsed by AdCom.

4. Affiliate Dues: Affiliates shall pay the Society and IEEE dues or assessment specified in IEEE rules and regulations.

5. Administrative Committee: Article V of the Constitution provides that the AdCom shall consist of 16 directly elected members, plus certain ex officio members. The members of the AdCom shall be the President, Vice President, most recent Past President, the Chair of each Standing Technical Committees, the Chair of each Standing Functional Committees, Secretary, Treasurer, Editors-in-Chief of the Society Transactions, Editor of the Newsletter, Liaison Representatives for Standards and IEEE-USA, and other liaison representatives appointed by the President. If the term of the Chair of an Elective Standing Technical Committee ends during a calendar year, he or she shall continue to serve as the ex officio representative of the Technical Committee on AdCom until the end of the calendar year, if so designated in the Constitution and Bylaws of the Technical Committee.

5.1. The voting members of the AdCom shall be the elected members, President, Vice President, most recent Past-President, and the Chair of each of the Standing Technical Committees. However, in the case where the Past Chair of an Elective Technical Committee is permitted to complete a calendar year as its ex officio representative instead of the current chair, that individual shall continue to be a voting member of the AdCom. The presiding officer of the AdCom meeting shall not cast a vote unless (1) the vote is by secret ballot or (2) his or her vote can change the outcome of the vote.

5.2. The AdCom shall meet at least three times per year, upon dates proposed by the President and approved by the AdCom, at least six months in advance of the meetings. Additional meetings may be called at the discretion of the President or upon request of at least twelve (12) voting members of the AdCom with at least three weeks' notice.

5.3. AdCom meetings are open to visitors. Visitors to AdCom meetings may be granted the privilege of the floor at the discretion of the meeting's presiding officer or by action of

the AdCom. Disruptive visitors can be removed from AdCom meetings at the discretion of the meeting's presiding officer. Should AdCom meet in Executive Session, any visitor present may be asked to leave.

5.4. The final regularly scheduled meeting in the calendar year is designated the Annual Meeting. Each standing committee shall provide a written report of its activities at the annual meeting and at additional times as appropriate.

5.5. Any directly elected member who misses three successive meetings shall be automatically dropped from AdCom, unless AdCom votes at that third meeting to waive this provision for good cause. At AdCom's discretion, such waiver can also apply to additional missed meetings. The member who is removed shall be so notified by the Secretary.

6. Nomination and Election of the Administrative Committee: The Nominating Committee shall be chaired by the most recent Past President and shall nominate candidates for all directly elected positions on the AdCom. In the event of the incapacity or conflict of interest of the Chair, the most recent Past Chair of the Nomination Committee available shall be the Chair of the Nominating Committee. With extenuating circumstances, the President may appoint a different individual to this position. The Chair shall not be eligible to be elected to the AdCom during his term of service.

6.1. At least two thirds of the voting members of the Nominating Committee shall be voting members of the AdCom. Apart from the Chair, the Nominating Committee shall consist of the Technical Committee Chairs. A Technical Committee Chair may, in consultation with the relevant Technical Committee and the President, name an alternate to serve on the Nominating Committee. A member of the Nominating Committee may be nominated and run for a position for which the Nominating Committee is responsible on the following conditions: (i) the nomination is not made by a member of the same Nominating Committee and (ii) the member resigns from the Nominating Committee prior to its first meeting of the year in which the nomination shall be made. AdCom shall approve the membership of the Nominating Committee at the first meeting of the year.

6.2. The number of vacancies for elected members to the AdCom shall be the difference between the number authorized in Article V, Section 1, of the Constitution and the number with continuing terms. The Transnational Functional Committee will be allocated one directly elected AdCom member. The vacancies shall be allocated into categories corresponding to the Standing Technical Committees with the number of vacancies per category chosen to maintain representation among AdCom membership in proportion to the technical interests of the NPSS membership as determined by periodic surveys to be conducted at least every five years. The Nominating Committee shall submit a slate of at least two names for each vacancy to be filled. Nominations must be submitted to the Chair of the Nominating Committee on a nomination form that includes their membership number, a statement of the willingness and ability of the nominee to serve if elected, the membership status of the nominee in the IEEE and NPSS, a short biography, and a statement of the issues that the candidate wishes to address as an AdCom member.

6.3. The Chair of the Nominating Committee shall ensure that, before April 1, a call for nominations is conveyed to the whole membership either through the Newsletter or through a separate notification. Additional nominations for the available category vacancies may be submitted to the Society President between June 1 and July 1, using the same nomination form described in Bylaw 6.2, upon petition signed by a minimum of 2% of the Society members in good standing, as listed in the official IEEE membership records at the end of the prior year, or by five members of the AdCom. Only signatures submitted electronically through the IEEE society annual elections website or original signatures on paper petitions shall be accepted.

6.4. The Chair of the Nominating Committee shall ensure that the committee determines the slate of nominees by July 1.

6.5. Current elected members of the AdCom who are serving full terms and current Nominating Committee members are ineligible for nomination by the Nominating Committee or by petition. Per IEEE requirements, Associates may not be nominated for Society offices, though they may vote in society-wide elections.

6.6. All nominees and petition candidates must be members in good standing of the Nuclear and Plasma Sciences Society and the IEEE.

6.7. The Chair of the Nominating Committee shall annually arrange for the distribution (through IEEE Headquarters) to the members of the Society, on or about July 31, of a ballot to elect the candidates to fill vacancies on the AdCom. The names on the ballot shall be followed by an indication of the method of nomination, whether by committee nomination or by petition. The names of the nominees shall be labeled by categories corresponding to the Standing Technical Committees. The ballot shall be accompanied by a short biographical sketch and position statement prepared by each nominee or petition candidate.

6.8. Six weeks after distribution of the ballots, the IEEE Headquarters shall count and tabulate the votes received and report the results to the AdCom. The candidate with the most votes in each category shall be elected.

6.9. Election of the President of AdCom: An election for President will be held by written ballot before the final AdCom meeting of the even-numbered years. The ballot for election of the President will indicate two choices: 1) the current Vice President and (2) an indication that an open election is desirable. The ballots shall be distributed by the Chair of the Nominating Committee to all voting members of AdCom for return to the Secretary of AdCom 30 days prior to the final AdCom meeting of the year. The Secretary of AdCom is responsible for counting the ballots and the Chair of the Nominating Committee will independently count the ballots and verify the tally. The Secretary of the AdCom will announce the results of the election. Should the Vice President fail to receive a majority of the votes on the returned ballots, then AdCom will itself determine a slate of candidates for President and vote at the final AdCom meeting.

6.10. Nomination and Election of the Vice President of AdCom: The Nominating Committee shall determine a slate of candidates for Vice President according to the guidelines set forth in Article V, Section 4 of the Constitution. In selecting candidates for the NPSS Vice President, the Nominating Committee will ensure that those candidates shall be eligible for and will, barring unforeseen circumstances, be willing to serve for the full terms of all succeeding positions (two years as Vice President, two years as President, and two years as the most recent Past President). The slate of candidates for Vice President will appear on the same ballot as the election for President (specified in Bylaw 6.9) and will be subject to the same election schedule. In the event that there are more than two candidates for Vice President, the election shall be carried out using an instant runoff voting procedure, in which each voter shall rank the candidates numerically on the ballot, beginning with the number one for the first choice, and runoff counts of the candidates shall be conducted in rounds. If, in any round, no candidate receives a majority of the votes cast, the candidate (or candidates, if there is a tie) with the fewest number of votes shall be eliminated and the remaining candidates shall advance to the next round. In each round, a voter shall be considered to have cast one vote for the candidate the voter ranked highest on the ballot who has not been eliminated in a previous round. In the event that this procedure does not produce a clear majority for any candidate, AdCom will choose the winner by a majority vote at the AdCom meeting.

6.11. Advisory Committee: An advisory committee consisting of the President, Vice President, Past President, Secretary, Treasurer and any other current members of AdCom, whether voting members or not, who have held the position of President, shall form the Advisory Committee.

6.12. The Advisory Committee shall advise the President on issues that the President or other members of the Advisory Committee choose to raise between meetings of the AdCom. Business shall generally be conducted by telephone, e-mail, or similar means of communication. Advisory Committee communications are privileged.

7. Standing Technical Committees: The Standing Technical Committees of the Society shall be:

The Computer Applications in Nuclear and Plasma Sciences Committee

The Fusion Technology Committee

The Nuclear Medical and Imaging Sciences Committee

The Particle Accelerator Science and Technology Committee

The Plasma Sciences and Applications Committee

The Pulsed Power Science and Technology Committee

The Radiation Effects Committee

The Radiation Instrumentation Technical Committee

7.1. Standing Technical Committees may be of either of two forms, elective or appointive, in accordance with Article V, Section 9, of the Constitution of the Society.

7.2. The Chair and Vice Chair of Standing Technical Committees shall be members in good standing of the Nuclear and Plasma Sciences Society and the IEEE.

7.3. The terms of office of the Chair and Vice Chair of elective Standing Technical Committees shall be in accordance with the rules of each committee except that no Chair shall serve consecutively for more than three years ~~or for two conferences when the technical committee has conferences every two years.~~ except in the case where a conference is held less frequently than annually. In such cases, a fourth year is permissible.

7.4. The President of the Society shall, in consultation with the Technical Committee, appoint the Chair and Vice Chair of the appointive Standing Technical Committees for a term of one year. A Chair may not serve consecutively for more than three years except in the case where a conference is held less frequently than annually and the appointive Standing Technical Committee requests to have their Chair serve for two of the conferences. In such cases, a fourth year is permissible.

7.5. The Chairs and the Vice Chairs of elective Standing Technical Committees shall be elected by the respective committees. The name of the Chair and the Vice Chair so elected shall be transmitted along with a notification of the length of term of office to the Secretary of the AdCom by the outgoing Chair of each elective Technical Committee promptly after election.

7.6. Appointive Standing Technical Committee shall gain elective status by presenting a petition requesting such status signed by at least 15 members of the Committee, which shall demonstrate that the requirements of Article V, Section 9 of the Constitution have been met. Approval of the elective status of a Standing Technical Committee shall be processed as an amendment to the Bylaws in accordance with Article X of the Constitution.

7.7. Standing Technical Committees may be created or changed by amending the Bylaws in accordance with Article X of the Constitution.

7.8. Standing Technical Committees shall take the initiative in their respective fields of interest on behalf of the Society.

7.9. Each of the Standing Technical Committees shall as a minimum submit a written report of its activities to the AdCom prior to the final meeting of each year. The committee membership and activities of the Standing Technical Committees will be publicized to the membership of the Society via the Newsletter, Transactions or on the Society website, and suggestions for committee membership will be invited from Society members and chapters.

7.10. Status and Fields of Interest of Standing Technical Committees:

7.10.1. The field of interest of the Appointive Computer Applications in Nuclear and Plasma Sciences Committee shall include real-time and off-line computer systems, including hardware and software aspects of data acquisition, data analysis, data storage, and control, in any and all of the technical disciplines covered by the Society.

7.10.2. The field of interest of the Elective Fusion Technology Committee shall include the engineering aspects of controlled fusion research and fusion reactor technology.

7.10.3. The field of interest of the Elective Nuclear Medical and Imaging Sciences Committee shall include radiation sources and detectors, radiation standards and monitoring, scanning and imaging systems, including image reconstruction and analysis.

7.10.4. The field of interest of the Elective Particle Accelerator Science and Technology Committee shall include the theory, design, construction and operation of nuclear particle accelerators, their beam diagnostics, and their applications in high energy particle physics, low-energy nuclear physics, radiation sources and general technology.

7.10.5. The field of interest of the Elective Plasma Science and Applications Committee shall include plasma science and engineering, including: magnetofluid dynamics and thermionics; plasma dynamics; gaseous electronics and arc technology; controlled thermonuclear fusion; electron, ion, and plasma sources; space plasmas; high current relativistic electron beams; laser-plasma interactions; diagnostics; plasma chemistry, plasma processing and colloidal and solid state plasmas.

7.10.6. The field of interest of the Elective Pulsed Power Science and Technology Committee shall include the understanding, development and applications of pulsed power to plasma physics, nuclear science and related fields.

7.10.7. The field of interest of the Elective Radiation Effects Committee shall include the effects of radiation on materials, components and systems.

7.10.8. The fields of interest of the Elective Radiation Instrumentation Technical Committee shall include sensors, electronic instrumentation, and systems for the measurement of ionizing radiation and high-energy particles with the emphasis on the tools, not the results of experiments using these tools.

8. Functional Committees: The President of the Society shall appoint the Chairs of the following Standing Functional Committees:

Awards Committee

Chapters and Local Activities Committee

Communications Committee

Conferences Committee
Distinguished Lecturers Committee
Fellow Candidate Evaluation Committee
Finance Committee
Membership Committee
Publications Committee
Young Professionals (YP) Committee

The remaining Functional Committees have their Chair's selection defined elsewhere in the Constitution or Bylaws:

Nominating Committee
Transnational Committee

8.1. Except where otherwise specified in the Bylaws, each committee Chair shall appoint the members of the committee.

8.2. The terms of office of Chairs of Standing Functional Committees shall be one year. Chairs may be reappointed at the discretion of the President.

8.3. The Chairs of Standing Functional Committees shall be members in good standing of the Nuclear and Plasma Sciences Society and the IEEE.

8.4. Awards Committee: Solicits nominations for the various awards made by the Society, evaluates the nominees and selects those to whom the awards will be made. The Chair of the Awards Committee serves as the NPSS liaison to the TAB Awards and Recognition Committee (TABARC) and is responsible for ensuring the addition to the TAB Awards Manual of all changes to NPSS awards through the TABARC and TAB approval process.

8.5. Chapters and Local Activities Committee: Provides organizational and program assistance, especially with respect to conferences and educational activities, to support and motivate NPSS Chapters and Student Chapters. Promotes and assists in the creation of new Chapters and Student Chapters.

8.6 Communications Committee: Prepares and maintains promotional material for membership recruitment and other purposes as required. The Communications Committee is responsible for the maintenance of the web site for both membership promotion and to

publicize NPSS activities either directly or through links to conference, publication, and other web sites.

8.7. Conferences Committee: Responsible for recommending policies and procedures to AdCom for all conferences and symposia for which the NPSS takes either full or partial responsibility and for ensuring compliance with IEEE conference policies. In addition, provides assistance in the planning, operation and closeout of sponsored, cosponsored or technically cosponsored conferences as needed, and serves as a liaison between conference organizers and IEEE Meetings, Conferences and Events.

8.8. Distinguished Lecturers Committee: Responsible for the administration of the NPSS Distinguished Lecturers program, the goal of which is to provide Society lecturers to support NPSS chapters and to provide technical outreach to other IEEE and non-IEEE groups.

8.9. Fellow Candidate Evaluation Committee: Evaluates the credentials of and ranks the IEEE Fellow Candidates referred to the NPSS for evaluation. The committee shall follow the procedures and guidelines established by the IEEE Fellow Committee.

8.10. Finance Committee: Monitors the financial status of the Society and reports any developing trends along with recommended actions, conducts financial studies and analyses on any Society or IEEE issues having financial implications for the Society, and reports on these matters regularly at AdCom meetings.

8.11. Membership Committee: Responsible for encouraging and recruiting new Society members and Society affiliation by inviting IEEE members who have an interest in NPSS activities, by generating interest among non-IEEE members, and by making application forms available and soliciting memberships at appropriate meetings and symposia.

8.12. Nominating Committee: Formed and administered according to the Bylaws pertaining to nominations, the Nominating Committee develops a slate of nominees for the directly elected member positions on the AdCom that become vacant each year and recommends candidates for Vice President of the Nuclear and Plasma Sciences Society.

8.13. Publications Committee: Reports to AdCom on all publication activities sponsored by the NPSS. In particular, proposes an annual budget for each publication and brings to AdCom's attention any proposed new initiatives for discussion and possible approval. Also keeps AdCom apprised of IEEE publications policies and procedures and ensures that NPSS publications follow these policies and procedures. The Publications Committee shall be chaired by the Publications Chair, and includes the Editor-in-Chief of the Transactions on Nuclear Science, the Editor-in-Chief of the Transactions on Plasma Science, the Editor-in-Chief of the Transactions on Radiation and Plasma Medical Sciences, the Editor of the Newsletter, and the Treasurer of the Society. The Publications Chair is responsible for the publication program and assuring the financial soundness and maintenance of schedules and format standards. The responsibility for the technical content of any Transactions shall

be controlled by that Transactions' Editor-in-Chief, who shall be nominated by the Publication Committee Chair or by the Society President and approved by the AdCom.

8.14. Transnational Committee: The committee fosters the involvement in NPSS activities of people from countries other than the United States and Canada. The directly elected member representing the Transnational Committee is the Chair of this committee. Candidates for this position must be members whose primary residence is outside of the United States and Canada. The President shall, in consultation with the Transnational Committee, appoint a Vice Chair for this Committee.

8.15. Young Professionals (YP) Committee: The purpose of the YP committee shall be to advocate for the needs, interests and professional development of members who have entered the profession within 15 years of receiving their first degree. There is an option to participate beyond the fifteen-year time span according to the respective criteria defined by IEEE. The main goal is to help YP members to evaluate their career goals, polish their professional image, and create the building blocks of a lifelong and diverse professional network.

9. Disbursements: Disbursement from Society funds shall be on the authority of the treasurer as directed by the AdCom, and in accordance with established procedures and policies of the IEEE. The President and AdCom may authorize the Treasurer to disburse funds to defray legitimate expenses incurred by the Chairs and members of the Standing Technical and Functional Committees and others in connection with required attendance at official Society, IEEE or other meetings and the costs of publications. Such expenditures must be approved by the President before being incurred.

10. Ballots: All ballots, for purposes of election of members of AdCom or changes in the Constitution, shall be issued to all voting members of the NPSS on instructions of the Chair of the Nominating Committee pursuant to action by the AdCom. Ballots for directly elected AdCom members will direct Society members to only vote for candidates of Standing Technical Committees of which they are active members or that cover topics in which they are active. No ballot shall be counted unless unambiguously marked by a qualified voter to indicate a choice and received on or before the specified deadline date. This specified deadline date shall be at least six weeks subsequent to the date of distribution of the ballots. The counting of the ballots shall be entrusted to IEEE Headquarters. The Chair of the Nominating Committee shall report the results to the AdCom. In the event of a tie vote in an AdCom election, the individual selected will be determined by a majority vote of all the voting members of AdCom. The vote shall be carried out by electronic means and conducted by the Secretary.

11. Beginning of Terms of Office: All terms of office of elected members of the AdCom shall begin January 1 of the year immediately following their election, except in the case where an elected member of AdCom does not complete a term of office. In this special case, the term of office of the replacement will begin immediately after the results of the election are known.

12. Meetings: The Society may not organize or sponsor a meeting, conference, symposium, or session thereof without consulting the Chair of the Conferences Committee. Fiduciary responsibility for each NPSS-sponsored conference shall rest with four discrete individuals: The Conference Chair, the Conference Treasurer, the Chair of the Technical Committee with oversight over the conference, and the NPSS Treasurer. If a conflict of interest or another circumstance requires it, the President, in consultation with the Chair of the Technical Committee or with the NPSS Treasurer, may appoint a substitute to exercise the oversight responsibilities of either of the latter two positions. All of these positions must be filled by members in good standing of the IEEE as well as NPSS (and/or a cosponsoring IEEE Society), with the exception of the Conference Treasurer, who, with the NPSS Treasurer's approval, may have the NPSS membership requirement (but not IEEE membership) waived.

13. Vice Chairs: The Chair of a Standing Technical Committee, and the Chair of the Transnational Committee, may designate the Vice Chair of the Committee to represent the Committee at an AdCom meeting, provided that the Vice Chair of the Committee has been identified to the Secretary at the start of the calendar year. This representative shall have the privilege of the floor and may vote on all matters coming before AdCom.

14. Removal from Office

14.1. Appointed AdCom Members: All Presidential appointees, including the Chairs of Appointive Technical Committees, serve at the pleasure of the President, and as such can be removed from office by the President. An appointed member of AdCom can also be removed using the process described in Bylaw 14.2.

14.2 All NPSS Positions: While NPSS conferences and Technical Committees may have their own removal processes, the AdCom may remove any individual from any NPSS position with or without cause. This prerogative of AdCom should be exercised after due circumspection and only in extreme cases and always with great caution. A petition signed by a minimum of three voting AdCom members is necessary to initiate the removal process, and the petition must include the name of the member to be removed, the position in question, and a description of the grounds for removal. The petition shall be submitted to the Society Secretary who will, upon receipt, notify all voting AdCom members that such a petition has been received, notify the member in question, and give that member 30 days to provide a written response. After this period, the Secretary will send a ballot that includes the statement of the grounds for removal and its rebuttal to each voting AdCom member. The ballots will be returned to the Secretary who will tally the votes 30 days after the ballots were sent. Should a minimum of two thirds (2/3) of the eligible voting AdCom members vote in favor of removal, then the member in question will be removed from office immediately. In the event that the Secretary is the member in question, the President will designate an alternate AdCom member to perform the duties assigned to the Secretary in this Section.