

UFFC Newsletter

Ultrasonics, Ferroelectrics, and Frequency Control



President's Message



Mike Garvey
UFFC President

Hello to all,

I am pleased to report that the efforts of our Constitution and By Laws Committee have finally borne fruit. IEEE approved the new version of the UFFC Constitution on August 12, 2010. The prior version of the UFFC-S Constitution was more than 10 years old, dating from 1996. The new constitution captures current practice, "new" technology (e-mail voting), and is briefer since procedural and prescriptive content has been moved to the Bylaws.

The Committee, which began its deliberations in 2005, was composed at various times of E. Koray Akdogan, Art Ballato (Past Chair), Gerry Blessing (Past Chair), Jan Brown, Mike Driscoll (Current Chair), Fred Hickernell, Jackie Hines, John Kosinski, Jian-yu Lu, Bob Potter, Leo Reindl, Vincent Rosati, Ahmad Safari, Susan Trolrier-McKinstry, Herman van de Vaart, and John Vig. They met numerous times and exchanged hundreds of emails during this process. We must recognize all the members of the Committee for their stamina and perseverance.

A summary of the major changes follows:

AdCom Voting Structure

The maximum number of UFFC-S voting AdCom Officers is now limited to 12, not to exceed the 12 Elected (voting) AdCom members. This had always been the UFFC operating principal, but in practice had crept up to 15 voting AdCom Officers. The new Constitution now defines the 12 voting AdCom Officers as: President, President-elect, Vice President Ultrasonics, Vice President Ferroelectrics, Vice President Frequency Control, Vice President Publications, Vice President Finance (previously: Chair), Vice President Symposia (new), Secretary, Treasurer, Junior Past President, and Senior Past President. The Secretary-Treasurer role may be one or two positions at the discretion of the President.

Article 3 Field of Interest

Two technology areas were added to the Society's interests: "sensors" and "manufacturing technologies".

Article 5 Administration of the Society

- a) The 24 Ex-Officio Voting AdCom Members now include
- 12 Elected AdCom members;

- 12 Society Officers – who are the 12 UFFC-S voting AdCom Members listed above under AdCom Voting Structure
- b) President's appointments, except for the Secretary/Treasurer, are ratified by Elected AdCom Members.
- c) In the absence/incapacity of the President, more specificity is made for her/his temporary replacement.
- d) The President-Elect appoints the Standing Committee Chairs in the year prior to serving as President. (previously: President made those appointments)

Article 6 Meetings

- a) Per the IEEE, a quorum is defined as a majority of Voting AdCom Members. (previously: 9 Members)
- b) E-mail voting is introduced, with "an affirmative vote of a majority of all Voting AdCom Members or any committee thereof required to approve an action."
- c) "The Presiding Officer of AdCom shall have no vote on AdCom except if the vote is by secret ballot or unless the Presiding Officer's vote can change the outcome of the vote." (previously: no such restriction)

Article 7 Publications

The VP of Publications, with the review and approval of AdCom, shall appoint all other Editors-in-Chief as may be required to implement the publications program." (previously: President made all such appointments.)

Article 8 Amendments

- a) ". . . notice of the proposed Amendment (is to be) sent to each member of AdCom at least 30 days prior to voting." (previously: 15 days prior)
- b) ". . . objections . . . by at least twenty (Society) members compelling reconsideration by AdCom" must be received to interrupt an AdCom-approved Amendment. (previously: 10%, or about 200 members)

Please join me in thanking the Constitution and By Laws Committee for a job well done on the Constitution.

If you have any questions or comments on the revised Constitution, please contact me at rmgarvey@ieee.org.

Mike Garvey
UFFC President
August 28, 2010

Editor's Column



Jan Brown

A Word on This Special Issue

This special issue of the UFFC Newsletter is to ensure timely compliance with **Article 9 – Amendments and Bylaws Section 9.1.2.** of the new constitution which states, in part: “the proposed amendment shall be published in the Newsletter, or otherwise publicized by direct mailing to the membership, with notice that it goes into effect unless ten percent of the Society members object within 30 days of mailing.”

The previously approved Constitution (12 December 1996) and the newly approved Constitution (12 August 2010) are both presented here for your convenience in reviewing the proposed changes. The new Constitution represents a major rewrite of the constitution.

Two guiding principals for the new Constitution were that it be an enabling document and that all procedural and prescriptive information be moved to the Bylaws. In addition, you will notice that some of the sections have been moved and/or rearranged. For these reasons, the two documents are presented in their entirety and no attempt has been made to provide a line by line comparison with additions and deletions.

A summary of the major changes in the Constitution is pre-

sented in the President’s Message. If you have any questions or comments on the revised Constitution, please contact the UFFC President, Mike Garvey, at rmgarvey@ieee.org.

Thank You

Work began on this revision of the Constitution in 2005 when then President, Gerry Blessing, appointed President-Elect, Art Ballato, as chair of the AdHoc committee to review the Constitution and Bylaws. When Art became President in 2006, he appointed Gerry Blessing, then Junior Past President, to take over as chair of the committee. Gerry persevered over the next four years to guide the committee to complete the Constitution and begin work on the bylaws.

Drafting and amending the rules of operation of organizations requires good “corporate” memory, leadership and dedication. Camaraderie and respect prevail through heated debate, agreement and silliness born of work into the wee hours alike. The work is often tedious, laborious, and many times thankless.

Here we would like to pay tribute to the many colleagues who participated on the committee at various times: E. Koray Akdogan, Art Ballato (Past Chair), Gerry Blessing (Past Chair), Jan Brown, Mike Driscoll (Current Chair), Fred Hickernell, Jackie Hines, John Kosinski, Jian-yu Lu, Bob Potter, Leo Reindl, Vincent Rosati, Ahmad Safari, Susan Trolrier-McKinstry, Herman van de Vaart, and John Vig.

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Report of the UFFC Constitution & Bylaws Review Committee



Gerry Blessing

Believe it or not, it has been just about 9 years since the need to revise and update our Society's Constitution and Bylaws was recognized. There were a few inconsistencies between the UFFC governing documents, and some clarification needed on matters such as the composition of the Administrative Committee, who its voting Members are, etc. But as we started work, we soon realized that while we are addressing these relatively "minor" issues, it would behoove us to pursue some rather significant changes for a more stream-lined and complementary set of governance documents. The President's Message in this Newsletter identifies the major changes being recommended for the Constitution.

The rest is history, as they say, with the ad hoc Committee

proceeding to methodically do its work. Both our Society's slow - we would rather like to think careful - pace, and the IEEE's concurrent development of specific requirements for all society governance documents, have contributed to this prolonged review process. The first of these documents, the Constitution, is now in your hands to act: **please read and review, and provide feedback, if you wish, to the attention of the AdCom President Mike Garvey, rmgarvey@ieee.org.**

After the Society Membership has had the opportunity to review the document for a period of 30 days, and less than 10% of the Membership objects, the 2010 Constitution will become our governing document.

Many UFFC Society leaders have served on this Review Committee. **We do indeed thank these people, especially as they continue their service and complete the review of the Bylaws.**



E. Koray Akdogan



Art Ballato



Gerry Blessing



Jan Brown



Mike Driscoll



Mike Garvey



Jackie Hines



Fred Hickernell



John Kosinski



Jian-yu Lu



Susan Trolier-McKinstry



Bob Potter



Leo Reindl



Vincent Rosati



Ahmad Safari



Herman van de Vaart



John Vig

1996 UFFC Constitution

This version of the UFFC Constitution was approved by the IEEE Executive Committee 12 December 1996. It was approved by the UFFC AdCom 7 November 1995.

CONSTITUTION

IEEE ULTRASONICS, FERROELECTRICS, AND FREQUENCY CONTROL SOCIETY

Article 1 - Name and Object

Article 2 - Membership

Article 3 - Field of Interest

Article 4 - Financial Support

Article 5 - Administration of the Society

Article 6 - Elections and Nominations of the AdCom

Article 7 - Meetings

Article 8 - Publications

Article 9 - Amendments and Bylaws

Article 1 - Name and Object

Section 1.1 This organization shall be known as the IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society.

Section 1.2 Its objectives shall be scientific, professional, 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 the maintenance of a high professional standing 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 are hereinafter defined.

Section 1.3 The Society shall aid in promoting close cooperation and exchange of technical information among its members and with the scientific community. To this end the Society will publish technical papers and hold meetings for the presentation of papers and their discussion, and through its committees shall study and provide for the needs of its members.

Article 2 - Membership

Section 2.1 Membership in the Society shall be available only to members of the IEEE in any grade, including students, having a professional interest in any aspect of Ultrasonics, Ferroelectrics, or Frequency Control.

Section 2.2 Affiliates may participate in the Society activities as provided by the IEEE bylaws and subject to the applicable IEEE rules and regulations and any additional limitations imposed by the Society Bylaws.

Article 3 - Field of Interest

Section 3.1 The scope of interest of the Society shall include the theory, technology, materials, and applications relating to:

1. the generation, transmission, and detection of mechanical waves and vibrations and their interactions with other phenomena;
2. medical ultrasound, including hyperthermia, bioeffects, tissue characterization and imaging;
3. ferroelectric, piezoelectric, and piezomagnetic materials, including crystals, polycrystalline solids, films, polymers, and composites;
4. frequency control, timing, and time distribution, including crystal oscillators and other means of classical frequency control, and atomic, molecular and laser frequency control standards.

Areas of interest range from fundamental studies to the design and/or applications of devices and systems within the general scope defined above.

Article 4 - Financial Support

Section 4.1 The Society shall collect from its members an annual assessment or fee, in accordance with the IEEE bylaws and applicable rules and regulations.

Section 4.2 The Society may make registration charges at its Society meetings, symposia, conferences, and conventions. The registration fee for non-members of the IEEE may be higher than for IEEE members.

Section 4.3 The Society may raise revenues by other means, such as advertising, shows, requests for contributions, and charges for sending out notices to non-Society members, provided such means are consistent with applicable IEEE rules and regulations, and do not encroach on revenue fields of prior established groups or sections. Any new revenue means not explicitly covered by IEEE rules and regulations must be approved by the IEEE Executive Committee, before being adopted by the Society.

Article 5 - Administration of the Society

Section 5.1 AdCom Membership and Offices

5.1.1. The Society shall be managed by an Administrative Committee (AdCom), consisting of a President, and not more than 12 elected members and not more than three

most recent past Presidents as ex-officio and not more than 12 non-elected members ex-officio as prescribed in the bylaws.

5.1.2. The terms of the elected members of the AdCom shall be for three years, four members to be elected each year. Only two consecutive terms are permitted for elected members, but eligibility is restored after a lapse of one year.

5.1.3. In a manner described in the Society Bylaws, the AdCom shall elect every two years a President-Elect whose term of office will be for two years.

5.1.4. The President-Elect shall assume the Presidency for a two-year term at the conclusion of his/her term as President-Elect.

5.1.5. A Secretary-Treasurer shall be appointed by the President for his/her term.

5.1.6. The President, newly elected President-Elect, members of the AdCom, and the newly appointed Secretary-Treasurer shall assume office on the first of January, unless a different date is provided by the bylaws.

Section 5.2 Duties and Responsibilities of the AdCom

5.2.1. The duties and responsibilities of the officers shall be as defined hereunder and in the bylaws and as delineated by the AdCom.

5.2.2. The President shall supervise the affairs of the Society, as directed by the AdCom and in accordance with his or her power and duties as defined hereunder and in the bylaws. In the President's absence or incapacity, the President's duties shall be performed by the President-Elect. In the event that neither the President nor the President-Elect is available, these duties shall be performed by an AdCom member appointed by the President.

5.2.3. When the President is notified of meetings of IEEE Boards of which he/she is a member, the President shall insure representation of the Society at such meeting by himself/herself, or by an alternate. If an alternate cannot be found, the President shall present the views of the Society by a letter of proxy.

5.2.4. The Administrative Committee may utilize the services of IEEE Headquarters as bursar for all or part of the funds of the Society, as provided by the IEEE bylaws and rules and regulations. If any part of the Society funds are received and deposited separately, the terms and conditions shall be in accordance with IEEE policies and subject to the provisions of the Society bylaws and to any special limitations imposed by the AdCom.

5.2.5. Neither the Society, nor any officer or representative thereof, shall have any authority to contract debts for, pledge

the credit of, or in any way bind the IEEE, except in accordance with budgets previously approved.

Section 5.3 Sub Organization of the Society

5.3.1. The Administrative Committee may establish standing and ad hoc committees as provided by the bylaws. All appointments to committees shall be for a term of one year or until successors are appointed or the committees dissolved, except where other specifically designated terms of office are established by the AdCom.

5.3.2. The President shall appoint the Chair and give charge to each committee of the Society. Not more than four Committee Chairs can have the title of Vice-President as prescribed in the Bylaws. The appointment of each Chair or Vice-President shall be ratified by a majority of the elected members of AdCom.

5.3.3. The President shall be an ex-officio member of all committees of the Society.

Article 6 - Election and Nominations of the AdCom

Section 6.1 Selections

6.1.1. Election of the members of the AdCom shall be by mail ballot to the entire Society membership as prescribed in the bylaws.

6.1.2. Within-term vacancies on the AdCom shall be filled by appointments, for the unexpired terms, by the President. The appointment shall be ratified by a majority vote of the AdCom.

Section 6.2 Nominations

6.2.1. The nomination procedure and the makeup of the Nominating Committee shall be as prescribed in the Bylaws. The nomination procedure shall include provision for the Society members to place a name on the ballot.

Article 7 - Meetings

Section 7.1 General Meetings

7.1.1. The Society may hold meetings, conferences, symposia, or conventions either alone or in cooperation with Sectional or Regional Committees of the IEEE, or other technical organizations, subject to IEEE rules and regulations. The Society shall sponsor at least one technical conference of international scope each year.

7.1.2. Meetings conferences, symposia or conventions of the Society shall be open on an equal basis to all members of the IEEE, and may be attended by non-IEEE members.

Section 7.2 AdCom Meetings

7.2.1. The AdCom shall hold at least two meetings annually, as specified in the Bylaws. Additional meetings of the AdCom may be called at the discretion of the President of the Society or upon request of at least three other members

of the AdCom and held at such times as are found necessary and/or convenient.

7.2.2. Nine members of the AdCom shall constitute a quorum. All members, including ex-officio members, shall have an equal vote, unless otherwise provided.

7.2.3. A majority vote of those members of the AdCom attending a meeting shall be necessary for the conduct of its business except as otherwise provided in this constitution.

7.2.4. Business of the AdCom may be handled by correspondence, telephone, fax, or e-mail where in the opinion of the President matters requiring action can be adequately handled in that manner. A majority vote of the AdCom members is necessary for approval of actions handled in that manner, unless otherwise provided.

Article 8 - Publications

Section 8.1 Publications undertaken by the Society shall be subject to IEEE policies and to further guidance or controls prescribed by the AdCom or its duly appointed committees. The Society shall be responsible for the financial aspects of its publication program.

Section 8.2 The President, with the advice and consent of the AdCom, shall appoint such editors-in-chief as may be required to implement the publication program. The duties of an editor-in-chief, and compensation, if any, shall be as prescribed in the bylaws.

Article 9 - Amendments and Bylaws

Section 9.1 Amendments

9.1.1. Amendments to this Constitution may be initiated by the AdCom, or by petition submitted by at least one hundred members of the Society. Proposed amendments shall not conflict with the IEEE Constitution.

9.1.2. Initial approval of an amendment to this constitution

as initiated by AdCom requires a two-third vote of the AdCom members present at a meeting, provided that notice of the proposed amendment has been sent to each member of the AdCom at least 15 days prior to such meeting. After having been submitted to the TAB, and by the TAB to the IEEE Executive Committee for approval, the proposed amendment shall be published in the Newsletter, or otherwise publicized by direct mailing to the membership, with notice that it goes into effect unless ten percent of the Society members object within 30 days of mailing. If sufficient objections are received, a ballot by mail shall be initiated as prescribed in Section 9.1.4.

9.1.3. Amendments to this Constitution initiated by petition of the members of the Society shall be published in the Newsletter, or otherwise publicized by direct mailing to the membership. These amendments will be voted on by mail ballot as prescribed in Section 9.1.4.

9.1.4. If a mail ballot is initiated, a copy of the proposed amendment shall be mailed with a ballot to all members of the Society at least 30 days before the date appointed for return of the ballots, and the ballots shall carry a statement of the time limit for their return to the IEEE office. When a mail vote of the entire Society membership is made necessary, approval of the amendment by at least two-thirds of the ballots returned shall be necessary for its enactment.

Section 9.2 Bylaws

9.2.1. Suitable Bylaws, and Amendments thereto, may be adopted by a two-thirds vote of the AdCom members present at a meeting, provided that notice of the proposed Bylaw, or Amendment, has been sent to each member of the AdCom at least 15 days prior to such meeting; or a Bylaw, or Amendment, may be adopted by a two-thirds mail vote of the members of the AdCom, provided a 30-day period is provided for such responses. In either event, the proposed Bylaw, or Amendment, shall be published in the Society Newsletter. No Bylaw, or Amendment, shall take effect until it has been received by the TAB Secretary.

2010 UFFC Constitution

This revised version of the UFFC Constitution was approved by IEEE 12 August 2010. It was approved by UFFC AdCom 2 February 2010.

CONSTITUTION IEEE ULTRASONICS, FERROELECTRICS, AND FREQUENCY CONTROL SOCIETY

Article 1 - Name and Objectives

Article 2 - Membership

Article 3 - Field of Interest

Article 4 - Finances

Article 5 - Administration of the Society

Article 6 - Meetings

Article 7 - Publications

Article 8 - Amendments and Bylaws

Article 1 - Name and Objectives

Section 1.1. This organization is a unit of the IEEE and shall be known as the IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society, hereinafter referred to as the UFFC-S. The governing body of the UFFC-S shall be The Administrative Committee (AdCom).

Section 1.2. UFFC-S objectives shall be scientific, professional, and educational in character. The UFFC-S shall promote the advancement of the theory and practice of ultrasonics, ferroelectrics, frequency generation and control, and allied arts and sciences.

Section 1.3. The purpose of the UFFC-S is to promote close cooperation and exchange of technical information among its members and with the scientific community. To this end the UFFC-S shall publish technical papers and hold meetings for the presentation of papers and their discussion. The medium for publication shall be established in the Bylaws.

Section 1.4. The UFFC-S's governing documents, including the Constitution, Bylaws, and Policies and Procedures, shall be in accordance with and subordinate to IEEE governing documents.

Article 2 - Membership

Section 2.1. Membership in the UFFC-S shall be open to IEEE members and Affiliates having a professional interest in any aspect of ultrasonics, ferroelectrics, or frequency control.

Section 2.2. Categories of membership, rights, privileges

and associated fees related to membership will be specified in the Bylaws.

Section 2.3. Voting membership shall consist of IEEE voting members and Affiliates belonging to the Society.

Article 3 - Field of Interest

Section 3.1. The field of interest of the UFFC-S shall include theory, technology, materials, and applications related to:

- The generation, transmission, and detection of ultrasonic waves and phenomena.
- Medical ultrasound and associated technologies.
- Ferroelectric, piezoelectric, and piezomagnetic materials.
- Frequency generation and control, timing, and time distribution.

Areas of interest range from fundamental studies to the design and/or applications of devices, sensors, systems, and manufacturing technologies within the general scope defined above. Modification of the Field of Interest shall be in accordance with the procedures specified by the IEEE and amendments to this Constitution.

Article 4 - Finances

Section 4.1. The UFFC-S may assess an annual membership fee.

Section 4.2. The UFFC-S may charge registration fees at its Society meetings, symposia, conferences, and conventions.

Section 4.3. The UFFC-S may raise revenue by other means, such as sales of products, advertising, trade and technical shows, requests for contributions, and charges for sending out notices to non-UFFC-S members. Any new revenue means not explicitly covered by IEEE rules and regulations must be approved by the IEEE before being adopted by the UFFC-S.

Section 4.4. The finances of the UFFC-S shall be the responsibility of the AdCom, in accordance with IEEE guidelines.

Article 5 - Administration of the Society

Section 5.1. AdCom Membership and Offices

5.1.1. The AdCom shall consist of not more than 24 Voting Members, including 12 Elected AdCom Members defined in

5.1.3. below, plus not more than 12 UFFC-S Officers defined in Section 5.1.2 below. There may be additional Non-Voting Members as specified in the Bylaws. Procedures for appointments, nominations, and elections shall be as prescribed in the Bylaws. The nomination procedure for Elected AdCom Members shall include provision for UFFC-S members to place names on the ballot.

5.1.2. The UFFC-S Officers shall be the President, President-Elect, Junior and Senior Past Presidents; the Vice Presidents for Ultrasonics, Ferroelectrics, Frequency Control, Symposia, Finance, and Publications and the Secretary/Treasurer. The President (the President-Elect in the year prior to serving as President) appoints the Vice Presidents and the Secretary/Treasurer - which may be separate appointments. The Vice Presidents are ratified at the time of appointment by a majority vote of Elected AdCom Members. All Officers are Voting Members.

The President may make appointments to fill vacancies on AdCom for the unexpired terms. Such appointments shall be ratified by a majority vote of Elected AdCom Members.

5.1.3. Four Elected AdCom Members shall be elected each year by Society Members. Their term shall be three years. Only two consecutive terms are permitted, but eligibility for reelection is restored after a lapse of one year.

5.1.4. The term of the President shall be two years.

5.1.5. The term of the President-Elect shall be two years. The President-Elect assumes the Presidency at the conclusion of the outgoing President's term.

5.1.6. The term of the Officers appointed by the President shall be one year, with reappointment to multiple terms allowed. Appointed Officers shall serve at the discretion of the President.

Section 5.2. AdCom Duties and Responsibilities

5.2.1. The duties and responsibilities of the Officers shall be as defined hereunder and in the Bylaws and as prescribed by AdCom.

5.2.2. The President shall lead the affairs of the UFFC-S and preside at all meetings. In the President's absence or incapacity, the President's duties shall be performed by the President-Elect. In the event that neither the President nor the President-Elect is available, the President's duties shall be performed by the Jr. Past President.

5.2.3. The President shall represent UFFC-S to the IEEE.

Section 5.3. Committees of the Society

5.3.1. The President may establish standing and ad hoc committees as provided in the Bylaws.

5.3.2. The President (the President-Elect in the year prior to serving as President) shall appoint the Standing Committee

Chairs for the following calendar year. Each appointment shall be ratified at the time of appointment by a majority vote of Elected AdCom Members.

5.3.3. The President shall be an ex-officio member of all committees of the UFFC-S.

Article 6 - Meetings

Section 6.1. General Meetings

6.1.1. The UFFC-S may hold meetings, conferences, symposia, or conventions either alone or with other IEEE organizational units, or other technical organizations, subject to IEEE rules and regulations.

6.1.2. Meetings, conferences, symposia and conventions of the UFFC-S shall be open on an equal basis to all members of the IEEE, and may be attended by non-IEEE members.

Section 6.2. AdCom and Committee Meetings

6.2.1. AdCom shall hold meetings as specified in the Bylaws.

6.2.2. A majority of the Voting Members of AdCom, or any committee thereof, shall constitute a quorum.

6.2.3. An affirmative vote of a majority of Voting AdCom Members present at the time of the vote, provided a quorum is present, shall be required to approve the action.

6.2.4. AdCom or any committee thereof may also assemble for a meeting and vote by any means of telecommunication. The normal voting requirements shall apply when action is taken by means of telecommunications equipment allowing all persons participating in the meeting to hear each other at the same time.

6.2.5. 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.

6.2.6. The Presiding Officer of AdCom shall have no vote on AdCom except if the vote is by secret ballot or unless the Presiding Officer's vote can change the outcome of the vote.

6.2.7. Individuals holding more than one position on AdCom, or any committee thereof, shall be limited to one

vote on each matter being considered by AdCom or the committee.

6.2.8. Proxy voting is not allowed.

Article 7 - Publications

Section 7.1. Publications undertaken by the UFFC-S shall be subject to the guidance and control prescribed by AdCom or its duly appointed committees. The UFFC-S shall be responsible for the financial aspects of its publication program.

Section 7.2. The President, with the review and approval of AdCom, shall appoint the Transactions Editor-in-Chief. The duties of the Editor-in-Chief shall be as prescribed in the Bylaws.

Section 7.3. The Vice President of Publications, with the review and approval of AdCom, shall appoint all other Editors-in-Chief as may be required to implement the publications program. The duties of these other Editors-in-Chief shall be as prescribed in the Bylaws.

Article 8 – Amendments and Bylaws

Section 8.1. Amendments

8.1.1. Amendments to this Constitution may be initiated by AdCom, or by petition submitted by at least twenty mem-

bers of the UFFC-S. Amendments shall not conflict with the IEEE governing documents.

8.1.2. Initial approval of an amendment to this Constitution requires a two-thirds vote of Voting AdCom Members, provided that notice of the proposed Amendment has been sent to each member of AdCom at least 30 days prior to voting.

8.1.3 The AdCom-approved Amendment shall be submitted to the IEEE for approval.

8.1.4. The IEEE-approved Amendment shall be published in the Newsletter, or otherwise publicized by direct notification to Society membership for general comment during a 30 day period. In the absence of objections during this period by at least twenty members compelling reconsideration by AdCom, the Amendment shall take effect.

Section 8.2. Bylaws

8.2.1. Suitable Bylaws, and Amendments thereto, may be adopted by a two-thirds vote of Voting AdCom Members, provided that notice of the proposed Bylaw, or Amendment, has been sent to each AdCom member at least 30 days prior to voting. The approved Bylaw, or Amendment, shall be published in the UFFC-S Newsletter, or otherwise publicized by direct notification to Society membership. No Bylaw, or Amendment, shall take effect until a copy has been provided to the IEEE, and filed with IEEE records.

IEEE Fellow

The IEEE Grade of Fellow recognizes unusual distinction in the profession and is conferred by the Board of Directors upon a person with an extraordinary record of accomplishments in any of the IEEE fields of interest. The total number selected in any one year does not exceed one-tenth of one percent of the total voting Institute membership. Each new Fellow receives a beautifully matted and framed certificate with the name of the Fellow and a brief citation describing the accomplishment, a congratulatory letter from the incoming IEEE president and a gold sterling silver Fellow lapel pin with antique finish.

Call for Fellow Nominations

We encourage you to submit fellow nominations as the call for nominations for the IEEE Fellows Class of 2012 is now open. All nomination, reference and endorsement forms must be submitted to the IEEE Fellow Committee by the 01 March 2011 deadline.

All information about the IEEE Fellows as well as online nomination forms may be found on the IEEE Fellows website: http://www.ieee.org/membership_services/membership/fellows/index.html.

Requirements for Fellow Nomination

At the time the nomination is submitted, a nominee must:

- have accomplishments that have contributed importantly to the advancement or application of engineering, science and technology, bringing the realization of significant value to society;
- hold IEEE Senior Member or IEEE Life Senior Member grade;
- have been a member in good standing in any grade for a period of five years or more preceding 1 January of the year of elevation.

Categories for Fellow Nomination

Nominations may be in one of four categories:

- Application engineer/practitioner,
- Research engineer/scientist,
- Educator, or
- Technical leader.

Research Engineer/Scientist

What inventions, discoveries or advances in the state of the art made by the candidate indicate innovation, creativity,

and importance of the candidate's research? List patents, papers published in refereed journals and other tangible and verifiable evidence of the candidate's accomplishments. Where a team effort was involved, identify and document the specific technical contributions of the candidate. Describe and verify the lasting impact of the candidate's contributions to society.

Application Engineer/Practitioner

What product development, advancement in systems, application or operation, project management or construction activity, process development, manufacturing innovation, codes or standards development, or other application of technology was the direct result of the candidate's personal effort? Describe the innovation, creativity, and importance of the development, advancement or application of technology. List the most important tangible and verifiable evidence of the candidate's contributions and, if pertinent, relevant significant technical publications, e.g. patents, reports, articles. Where a team effort was involved, identify and document the specific technical contributions of the candidate. Describe and verify the lasting impact of the candidate's contribution on society.

Technical Leader

What outstanding engineering application or scientific accomplishments resulted from a managerial, team, or company-wide effort that was lead by this candidate? Explain the technical innovation, difficulties and risk involved, achieving economic acceptability, and other advantages. The candidate's organizational position, while important, cannot be used as the sole evidence of achievements or technical contribution. Describe and verify the specific technical contributions that the candidate made which made the achievement possible? Describe and verify the lasting impact of the candidate's contribution to society.

Educator

What impact has the candidate had on education in the field of interest of the IEEE? What unique and innovative curricula or courses has the candidate personally developed? What innovative and unique contributions has the candidate made to engineering education as an administrator? Has the candidate written a pioneering text in his/her field? What impact have these innovations had? What is the range of acceptance, local, regional or worldwide? Describe and verify the lasting impact of these efforts on engineering education.



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