The IEEE Computer Society sponsors an active and prestigious awards program as part of its mission to promote the free exchange of ideas among computer professionals around the world and to recognize its members for their outstanding accomplishments. The awards honor technical achievements as well as service to the computer profession and to the Society.

**LERNER AND BOSACK WIN COMPUTER ENTREPRENEUR AWARD**

Sandra Lerner, chair of the Chawton House Library.

Leonard Bosack, CEO of telecommunications firm XKL.

The IEEE Computer Society recently honored Sandra Lerner and Leonard Bosack with its prestigious Computer Entrepreneur Award “for founding Cisco Systems and pioneering and advancing the commercialization of routing technology and the profound changes this technology enabled in the computer industry.”

The award recipients are credited with making major design enhancements to the router, one of the technologies that makes today’s Internet possible. While at Stanford University, they began making improvements to its primitive intracampus network. Bosack and Lerner used dedicated cabling to bypass the campus LAN and connect SU-SCORE and SU-GSB machines running the TOPS-20 operating system. Inspired to start a company named after the leading city in California’s Bay Area, Lerner and Bosack left Stanford and started Cisco in 1984, building the now-in-demand routers in their home. Today, they cosponsor a professorship at Stanford.

Bosack received a BS from the University of Pennsylvania’s Wharton School and an MS in computer science from Stanford. Lerner received a BS in political science from California State University, Chico, an MS in econometrics from Claremont Graduate School, and an MS in statistics and computer science from Stanford.

**Computer Entrepreneur Award**

On the occasion of its 30th anniversary in 1982, the IEEE Computer Society established the Computer Entrepreneur Award to recognize and honor the technical managers and entrepreneurial leaders who are responsible for the growth of some segment of the computer industry. The efforts must have taken place more than 15 years earlier, and the industry effects must be generally and openly visible. The award is a custom, museum-quality sterling silver chalice designed by Washington, D.C., artist Michael Schwartz.

**CONWAY, SAMMET HONORED WITH COMPUTER PIONEER AWARD**

Lynn Conway is a professor emerita of electrical engineering and computer science at the University of Michigan. After earning a BS and MS in electrical engineering from Columbia University, Conway joined IBM, where she made foundational contributions to superscalar computer architecture in the mid-1960s, including the development of multiple-issue dynamic instruction scheduling.

Her award citation reads, “For contributions to superscalar architecture, including multiple-issue dynamic instruction scheduling, and for the innovation and widespread teaching of simplified VLSI design methods.”

At Xerox’s Palo Alto Research Center, Conway innovated scalable MOS design rules and highly simplified methods for silicon chip design, coauthoring the famous “Mead-Conway” text and pioneering a new form of university course that taught these methods—thereby launching a world-
wide revolution in VLSI system design in the late-1970s.
Conway is an IEEE Fellow and a member of the National Academy of Engineering.

Jean Sammet
Jean Sammet is among a group of women who were in the forefront of creating computer languages such as FLOW-MATIC, LISP, BASIC, and Cobol, between 1950 and 1970. From 1958 to 1961, she worked at Sylvania and managed the basic software development for MOBIDIC, a computer built for the US Army. Sammet headed the IBM Boston Advanced Programming Department in Cambridge, where she developed ideas that led to FORMAC (FORMula MANipulation Compiler), the first broadly adopted language for performing symbolic mathematics.

Her award citation reads, “For pioneering work and lifetime achievement as one of the first developers and researchers in programming languages.”

Sammet served as the first chair of the AFIPS History Committee from 1977 to 1979, helping to establish IEEE Annals of the History of Computing. Beginning in 1983, she served for 10 years on the Board of Directors of the Computer Museum in Boston. The first woman to serve as president of the ACM, Sammet received a BA from Mount Holyoke and an MA from the University of Illinois.

Sammet is an ACM Fellow and a member of the National Academy of Engineering.

Computer Pioneer Award
The Computer Pioneer was established in 1981 by the Board of Governors of the IEEE Computer Society to recognize and honor the vision of those people whose efforts resulted in the creation and continued vitality of the computer industry. The award is presented to outstanding individuals whose main contribution to the concepts and development of the computer field was made at least 15 years earlier. The recognition is engraved on a bronze medal specially struck for the Society.

For more information about these and other IEEE Computer Society awards, including nomination forms and guidelines, visit www.computer.org/portal/web/awards.

Society Announces Bylaws Changes

The IEEE Computer Society Board of Governors voted at a recent meeting to amend two articles of the Society’s bylaws. Article II was changed to reflect revised nominations procedures, and Article XII was recast to further define the makeup of the Fellows Committee.

Deletions are marked in strikeout text, and insertions are underlined. Only relevant segments of the bylaws in question are reproduced here.

ARTICLE II - NOMINATIONS AND ELECTIONS

Section 1: Nomination by Petition

1. For each elective office of the Society, individual voting members eligible to vote in such election may nominate candidates by written petition provided such nominations are made at least 28 days before the first published day of the election. The number of signatures required on a member petition shall be determined in accordance with IEEE Bylaws as follows. For all positions where the electorate is less than 30,000 voting members, signatures shall be required from 2% of the eligible voters. For all positions where the electorate is more than 29,999 voting members, 600 signatures of eligible voters plus 1% of the difference between the number of eligible voters and 30,000 shall be required.

2. Members shall be notified of all duly made nominations prior to the election. Prior to submission of a nomination petition, the petitioner shall have determined that the nominee named in the petition is willing to serve; if elected, evidence of such willingness to serve shall be submitted with the petition.

3. Signatures shall be submitted electronically through the official IEEE Computer Society annual election website, or by signing and mailing a paper petition. The name of each member signing the paper petition shall be clearly printed or typed. For identification purposes of signatures on paper petitions, membership numbers or addresses as listed in the official IEEE membership records shall be included. Only signatures submitted electronically through the IEEE Computer Society annual election website or original signatures on paper petitions shall be accepted. Facsimiles, or other copies of the original signature, shall not be accepted.

4. 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 year preceding the election.

Section 1-2: Nomination to the Board of Governors

Annually the Nominations Committee shall provide a list of proposed
nominees for Board positions. This list of proposed nominees shall be submitted to the current Board of Governors at least four weeks prior to the Board meeting at which the Board shall select nominees. Additional proposed nominees may be submitted by written Board petition signed by one-third of the franchised Board members and received by the secretary at least 10 days prior to the above meeting. The Board shall select by secret ballot not less than 11 nominees to fill elected Board member positions, and the names of those nominees shall be published at least 60 days prior to the first published day of the election in a Society publication nominally reaching the entire membership in advance of the deadline for the receipt of member petitions. In the same publication, there shall be a request for petitions for additional nominees. Nominations from the floor shall not be permitted during the Board meeting at which the selection occurs. Additional nominees may be named by petition of the voting members of the Society, with each member eligible to sign one petition for each office. The number of signatures required is specified in Bylaws Article II, Section 1.

The number of signatures required on a member petition shall be determined in accordance with IEEE Bylaws as follows. For all positions where the electorate is less than 30,000 voting members, signatures shall be required from 2% of the eligible voters. For all positions where the electorate is more than 29,999 voting members, 600 signatures of eligible voters plus 1% of the difference between the number of eligible voters and 30,000 shall be required.

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4. 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 year preceding the election.

Section 45: Board Elections

Annually the Nominations Committee shall provide a list of proposed nominees for positions of president-elect, first vice president, and second vice president, at least four weeks prior to the Board meeting at which the Board shall select nominees. One or more nominees shall be proposed for each of these offices. Additional proposed nominees for any position may be nominated by written petition of one-third of the franchised Board members. Such nominations must be received by the secretary at least 10 days prior to the above meeting. The Board shall select by secret ballot nominees for the positions of president-elect, first vice president, and second vice president and the names of those nominees shall then be published in a Society publication nominally reaching the entire membership. In the same issue, publication there shall be a request for petitions for additional nominees. Nominations from the floor shall not be permitted.

Section 34: Board of Governors Qualifications

The 2010-2011 Richard E. Merwin Student Scholarship recognizes student leaders in the Computer Society who show promise in their academic and professional efforts. The scholarship, named in honor of a past president of the Society, is available to active members of IEEE Computer Society student branches. The Society awards up to 10 annual scholarships of $4,000 each, paid in four quarterly installments.

Winners of the Merwin Scholarship serve as IEEE Computer Society student ambassadors for the particular IEEE region to which they belong. Student ambassadors collect and disseminate information to Computer Society student chapters in their own regions and serve as liaisons to the Chapters Activities Board. To be eligible, applicants must maintain a minimum 2.5 GPA as a full-time junior, senior, or graduate student in a computer science, computer engineering, or electrical engineering program.

Other awards and scholarships offered to students by the Computer Society include the Lance Stafford Larson best paper contest and the Upsilon Pi Epsilon/Computer Society Award for Academic excellence, which the IEEE Computer Society and the Upsilon Pi Epsilon international honor society jointly administer.

For more information about Computer Society student scholarships and awards, visit www.computer.org/students/schlrshp.htm. Merwin Scholarship applications are due by 31 May.
BOARD APPROVES DIVISION V DIRECTOR SLATE

Each year, IEEE Computer Society members elect an individual to serve as an IEEE division director.

At a recent meeting in Anaheim, California, the IEEE Computer Society Board of Governors voted to approve James W. Moore and Jon G. Rokne as candidates for 2011 IEEE Division V director-elect. After one year, the successful candidate will serve as IEEE Division V director in 2012.

Moore is a 40-year veteran of software engineering at IBM and MxNe. Rokne is a professor and former chair of the computer science department at the University of Calgary. The Computer Society is also responsible for selecting individuals to serve as IEEE Division VIII director. This election process will take place in 2011 and subsequent odd-numbered years.

NOMINATIONS FOR CRAY AND FERNBACH AWARDS DUE 1 JULY

The IEEE Computer Society presents two of the most distinguished awards in computing, the Seymour Cray Computer Science & Engineering Award and the Sidney Fernbach Award.

Recipients of the Cray Award receive a crystal memento, an illuminated certificate, and a $10,000 honorarium. Recipients of the Fernbach award winners receive a certificate of recognition and a $2,000 honorarium.

Recipients of both the Cray and Fernbach awards will accept their honors during a special awards ceremony at SC 2010, this November in New Orleans.

Computer Society awards recognize technical achievements, contributions to engineering education, and service to the Society or the profession. Nominations for the Cray and Fernbach awards are due by 1 July.

To nominate a candidate for any IEEE Computer Society award, visit http://awards.computer.org/ana.

During the Board meeting at which the selection occurs, additional nominees may be named by petition of the voting members of the Society, with each member eligible to sign one petition for each office. The number of signatures required is specified in Bylaws Article II, Section 1.

Section 67: Officer Qualifications

Section 78: Officer Elections

Section 89: Assumption of Duties

Section 910: IEEE Delegate Director-Elect Nominations

In accordance with IEEE Bylaws, IEEE Computer Society members annually elect a Division Delegate-Director-Elect. This individual shall automatically become Delegate-Director after serving a one year term as Division Delegate-Director-Elect.

When an IEEE Division which represents the IEEE Computer Society is to elect a Division Delegate-Director-Elect, the Nominations Committee shall recommend candidates in compliance with IEEE Bylaws. The timing of IEEE Board of Directors elections requires that the Board of Governors provide nominations early in the year. Therefore, the Nominations Committee is required to shall prepare a list of two or more candidates proposed nominees for the annual end of year Board of Governors meeting, where a slate will be selected to propose for the subsequent year’s Board of Governors without further Nominations Committee action. To solicit names of potential nominees for presentation to the incoming Nominations Committee, the president may appoint an ad hoc committee as described in the IEEE Computer Society Policies and Procedures Manual. The list of candidates shall be submitted to the Board of Governors at least four weeks prior to the Board meeting at which the selection is to occur. Additional proposed candidates nominees may be submitted by written petition signed by one-third of the franchised Board members and received by the secretary at least 10 days prior to the Board meeting. The Board of Governors shall select by secret ballot a slate of not less than one nor more than three nominees from the proposed candidates nominees. Nominations from the floor shall not be permitted during the Board meeting at which the selection occurs. The approved name(s) shall be transmitted as required by IEEE Bylaws, as Society nominee(s).

A notice that nominations for the position of Delegate-Director by petition shall be published in a Society publication normally reaching the entire membership. This shall be done sufficiently in advance of the IEEE deadline for receipt of petitions to allow a reasonable time to obtain the necessary signatures. Petitions shall be submitted to the IEEE in accordance with IEEE Bylaws and Policies.

ARTICLE XII – STANDING COMMITTEES

Section 5: Fellows Committee

The Fellows Committee shall assist the IEEE Fellows Committee in recognizing IEEE members who, in its opinion, meet the qualifications for the grade of fellow because of contributions to the areas of interest to the Society. The Fellows Committee shall consist of at least seven Society members chosen from among those of Fellow grade within the IEEE members as defined in the IEEE Computer Society Policies & Procedures Manual.