IEEE Computer Society members Juan E. Gilbert and Karen Panetta were among nine individuals and eight organizations that US President Barack Obama named as 2011 recipients of the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring.

“Through their commitment to education and innovation, these individuals and organizations are playing a crucial role in the development of our 21st-century workforce,” said Obama.

**JUAN E. GILBERT**

Gilbert, a senior member of IEEE, is IDEaS professor and chair of the human-centered computing division in the School of Computing at Clemson University. One of Gilbert’s key contributions includes development of the African-American Multiple Learning Styles integrated learning system, designed to teach algebra in a culturally responsive way.

**KAREN PANETTA**

Panetta, an IEEE Fellow and a member of the Computer Society Fellows Committee, is a professor of electrical and computer engineering and director of the Simulation Research Laboratory at Tufts University.

In May 2011, she was named a Woman of Vision recipient for leadership by the Anita Borg Institute for Women and Technology. The institute recognized Panetta not only for her contributions in academia and industry but also for her expertise in disseminating engineering and science to youth, parents, and educators, and in attracting young women to the STEM disciplines. Her *Nerd Girls* international program has inspired young women by teaching them how engineers and scientists create innovations that benefit humanity.

**PRESIDENTIAL AWARD FOR EXCELLENCE**

Administered by the National Science Foundation, the award recognizes the role that mentoring plays in the academic and personal development of students studying science and engineering—particularly those who belong to underrepresented groups. Colleagues, administrators, and students can nominate candidates. In addition to being recognized at the White House, honorees receive a $25,000 NSF grant to advance their mentoring efforts.
IEEE NAMES NEW FELLOWS

Eighty-one IEEE Computer Society members and associates will be elevated to IEEE Fellow grade in 2012. IEEE Fellow is a distinction reserved for select IEEE members who have made extraordinary accomplishments in any of the IEEE fields of interest.

Nominations for 2013 IEEE Fellows are now being accepted at www.ieee.org/membership_services/membership/fellows.

The IEEE Board of Directors elevated 329 members to Fellow status for 2012, compared with 321 last year. Computer Society members and associates elevated to Fellow status in 2012 include:

A
Hojjat Adeli
Divyakant Agrawal
James Anderson

B
Theodore Baker
Raouf Boutaba
Alan Burns
Giorgio Buttazzo

C
Kenneth Calvert
Jyh-Cheng Chen
Yen-Kuang Chen

D
Gerard Dreyfus

E
William Eklow
Irfan Essa

F
Babak Falsafi
Josep Domingo-Ferrer
Patrick Flynn
Jeffrey Froyd
Pascal Fua

G
Susan Graham
David Alan Grier
Leonidas Guibas
Erich Gunther

H
Joseph Halpern
Charles Hansen
Yennun Huang

I
Lawrence Rauchwerger
John Riedl
Fabio Roli

J
Valentina Salapura
Manoj Sandev
Eugene Santos Jr.
Harpreet Sawhney
William Scherlis
Cordelia Schmid
Ben Shneiderman
Anand Sivasubramaniam
Xian-He Sun

K
Tommaso Toffoli
Stephen Trimberger
Yu-Chee Tseng

L
Rudy Lauwereins
Mike Li
Soung Chang Liew
Ming Lin
Huan Liu

M
Kwan-Liu Ma
Jianchung Mao
Peter Meer
Russ Miller
Sivaram Murthy

N
Wolfgang Nebel
Shojo Nishio

O
Hiroshi Okuno

P
Venkata Padmanabhan
Marimuthu Palaniswami
Sharatchandra Pankanti
Maja Pantic
Matt Pietikainen
Marc L. Pollefeys
Salil Prabhakar

R
Jagath Rajapakse
Ragunathan Rajkumar
Janusz Rajski
Parthasarathy Ranganathan
Valliuri Rao

S
Babak Falsafi
Josep Domingo-Ferrer
Patrick Flynn
Jeffrey Froyd
Pascal Fua

T
Valentina Salapura
Manoj Sandev
Eugene Santos Jr.
Harpreet Sawhney
William Scherlis
Cordelia Schmid
Ben Shneiderman
Anand Sivasubramaniam
Xian-He Sun

U
Sarita Vikram Adve

V
Hiroshi Okuno

W
Chin-Liang Wang
Jiangtao Wen
Xiaoqing Wen
Ouri Wolfson
Jianping Wu

Y
Ying (Bob) Yeh

Z
Zhi-Li Zhang

Changes to Society Bylaws Available Online

The IEEE Computer Society Board of Governors recently approved the first reading of three amendments to the Society’s bylaws.

Article II (Nominations & Elections), Section 6, was revised to set a two-candidate minimum for officer nominations and to prohibit nominations from the floor during the Board meeting at which the selection occurs.

Article II (Nominations & Elections), Section 10, was also revised to set a two-candidate minimum for officer nominations. Article I (Membership), Section 1, was revised to add a graduate student class of membership.

Changes to existing Society bylaws that receive first and second reading approval by the Board of Governors are listed by title in Computer, with links from each to a website location hosting the actual documents. The documents remain accessible at this website location until such time as the changes receive final approval.

Documents are posted at the following URLs:

- **Bylaws Article II: Nominations & Elections—Section 6**

- **Bylaws Article II: Nominations & Elections—Section 10**

- **Bylaws Article I: Membership—Section 1**

Deletions are marked in strikeout text, and insertions are underlined. Only relevant segments of the bylaws in question are posted for comment. 

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**COMPUTER SOCIETY CONNECTION**
SOCIETY PUBLICATIONS SEEK EDITORS IN CHIEF FOR 2013-2014 TERMS

The IEEE Computer Society seeks applicants for the position of editor in chief, serving two-year terms starting 1 January 2013.

Prospective candidates are asked to provide (as PDF files), by 1 March, a complete curriculum vitae, a brief plan for the publication’s future, and a letter of support from their institution or employer.

For more information on the search process and to submit application materials for the following titles, please contact:

**Magazines**
- Dale Strok, dstrok@computer.org—*Computing in Science & Engineering* (www.computer.org/portal/web/cise/home)
- Dale Strok, dstrok@computer.org—*IEEE Intelligent Systems* (www.computer.org/portal/web/intelligent/home)
- Brooke Miner, bminer@computer.org—*Computing Now.* For more information on the Computing Now editor in chief’s responsibilities, see www.computer.org/portal/web/computingnow/eic.

**Transactions**
- Kathy Santa Maria, ksatama@computer.org—*IEEE Transactions on Knowledge & Data Engineering* (www.computer.org/portal/web/tkde)
- Kathy Santa Maria, ksatama@computer.org—*IEEE Transactions on Pattern Analysis & Machine Intelligence* (www.computer.org/portal/web/tpami)
- Kathy Santa Maria, ksatama@computer.org—*IEEE Transactions on Services Computing* (www.computer.org/portal/web/tsc)

**Qualifications and requirements**
Candidates for any Computer Society editor-in-chief position should possess a good understanding of industry, academia, and government aspects of the specific publication’s field. In addition, candidates must demonstrate the managerial skills necessary to process manuscripts through the editorial cycle in a timely fashion. An editor in chief must be able to attract respected experts to the publication’s editorial board. Major responsibilities include:

- actively soliciting high-quality manuscripts from potential authors and, with support from publication staff, helping these authors get their manuscripts published;
- identifying and appointing editorial board members, with the concurrence of the Publications Board;
- selecting competent manuscript reviewers, with the help of editorial board members, and managing timely reviews of manuscripts;
- directing editorial board members to seek special-issue proposals and manuscripts in specific areas;
- providing a clear, broad focus through promotion of a personal vision and guidance where appropriate; and
- resolving conflicts or problems as necessary.

Applicants should possess recognized expertise in the computer science and engineering community, and must have clear employer support.

**Reappointments**
Other IEEE Computer Society publications have editors in chief who are currently standing for reappointment to a second two-year term. The IEEE Computer Society Publications Board invites comments upon the tenures of the individual editors. Editors in chief standing for reappointment to two-year terms in 2013-2014 are:

- Ron Vetter, Computer
- Erik Altman, *IEEE Micro*
- Forrest Shull, *IEEE Software*
- Michael Rabinovich, *IEEE Internet Computing*
- John Viega, *IEEE Security & Privacy*
- Albert Zomaya, *IEEE Transactions on Computers*
- Ming Lin, *IEEE Transactions on Visualization & Computer Graphics*

Send comments to:
- Jennifer Stout, jstout@computer.org for *Computer*
- Ed Zintel, ezintel@computer.org for *IEEE Micro*
- Dale Strok, dstrok@computer.org for *IEEE Software*
- Linda World, lworld@computer.org for *IEEE Internet Computing*
- Kathy Clark-Fisher, kclark-fisher@computer.org for *IEEE Security & Privacy*
- Kathy Santa Maria, ksatama@computer.org for all transactions

IEEE VR 2012
IEEE Virtual Reality 2012

4-8 March 2012
Costa Mesa, California, USA

Registration opens mid-December!
http://conferences.computer.org/vr/2012/

**NEW from IEEE CS Press**

A GUIDE TO USER EXPERIENCE RESEARCH
Stories from the Field

Dorothy M. Danforth

An accessible and scalable plain-speak overview of current user experience research methods, full of practical examples, resource lists, and templates from real-world research efforts.

PDF edition • $15 list / $12 members • 36 pp.

Order Online: COMPUTER.ORG/STORE
A project of the Computer Research Association Committee on the Status of Women (CRA-W), the Distributed Research Experiences for Undergraduates program matches promising undergraduates with a faculty mentor for a summer research experience at the faculty member’s home institution.

Students are directly involved in a research project and interact with graduate students and professors on a daily basis. Participants maintain a weekly journal and website documenting their progress on the project. Students and mentors submit a progress report midway through the summer, and students prepare a technical paper reporting on their project.

At the end of the program, links to the student websites and final reports are posted on the DREU website (http://cra-w.org/distributed-research-experiences-for-undergraduates-dreu). Students are also encouraged to submit papers and to present their work to appropriate journals and conferences.

Funding for the student consists of a weekly stipend plus travel assistance when appropriate. A student’s funding is intended to cover 10 weeks of research during the summer, though alternative arrangements are possible. Additional funds may be available to support student conference travel, either during the summer or afterward, and for outreach activities promoting DREU.

A third-party assessment of DREU by the University of Wisconsin center for Learning through Evaluation, Adaptation and Dissemination (LEAD) has established that students who participated in DREU were roughly 20 times more likely to attend graduate school than a control group with comparable grades.

Since 1994, more than 400 students from more than 100 academic institutions have participated in DMP/DREU. Students and faculty can apply by 15 February at https://parasol.tamu.edu/dreu/Application.php. 

NEW from IEEE CS Press

Evolving Critical Systems
Edited by Mike Hinchey, Lorcan Coyle, Bashar Nuseibeh, and José Luis Fiadeiro

This collection of articles from Computer magazine looks at critical software that can successfully evolve without loss of quality—while retaining its security, performance, reliability, and predictability.

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