Nominees for IEEE Computer Society Offices and Board of Governors Positions in 2006

On the following pages are the position statements and biographies of the IEEE Computer Society’s candidates for president-elect, first and second vice presidents, and the Board of Governors. Within each category, candidates are listed in alphabetical order. Election of officers to one-year terms and of Board members to three-year terms, each beginning 1 January 2006, will be by vote of the membership as specified in the bylaws.

Ballots must be returned no later than 12:00 noon EDT on Tuesday, 4 October 2005. Members in all regions can vote via the Web at http://www.computer.org/election/ or by fax with Election Services Corp. at +1 516 248 4770. Return ballots by mail to the IEEE Computer Society, c/o Election Services Corp., PO Box 9209, Garden City, NY 11530-9009, USA. For replacement ballots, call +1 516 248 4200.

Results will be announced in the December issue of Computer. The opinions expressed in the statements are those of the individual candidates and do not necessarily reflect Computer Society positions or policies.

Nominees for president-elect

Michael R. Williams
Position statement. It has been my privilege to work as a volunteer in several different areas of the IEEE Computer Society, including two years as the vice president of publications, being a member of the Board of Governors, serving on the IEEE Publications Services and Products Committee, and chairing a large number of other committees, both for the Computer Society and at the IEEE level.

This experience has shown me that the major problem we face is getting control of the financial situation that has resulted from the IEEE, our parent organization, spending our reserves to cover its deficits. This problem threatens to drive us, and a number of sister societies, into bankruptcy if it continues. The situation has recently worsened because the IEEE has changed the rules regarding how it distributes the income from our journal publishing. Coping with these two financial considerations is the first priority for the Computer Society, and I intend to devote myself to their solution.

Although it is necessary to control the damage being done to our budget, we must not forget that our members are interested in the benefits they receive—particularly the publications. The movement to digital publishing, Web-based distribution of our products, and open access to our material is another area of potential rewards that also comes with serious challenges. I will continue to use my experience to promote member benefits and ensure that Society products are kept up to the highest standards.

We must also recognize that the IEEE Computer Society has now become an international society that is based in the US, rather than an American society with members in other countries. I am a Canadian, and this makes me acutely aware that the governance of our Society must come to grips with this change.

I will make a point of involving a more diverse set of people in the planning of our projects and member benefit offerings. I am sure that the Society leadership can benefit from the collaborative interaction with others and that the sharing of successful strategies will be to the benefit of all.

Biography. Mike Williams has participated in Society activities for many years, including terms as a member of the Board of Governors and as first vice president. He was a member of the editorial board.

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Yervant Zorian
Position statement. The main function of the IEEE Computer Society is to facilitate sharing of technical credible knowledge among its members by providing technical forums for contributing and having easy access to state-of-the-art information and by facilitating interactions among the members to exchange their valuable know-how and experiences.

My goal as president is to realize this key function effectively to help our members maintain their competitive edge. With your help, I plan to emphasize three key concepts:

1. Establish technical communities to cover up-to-date technical disciplines.

Our globally distributed membership—whether academics, practitioners, or students—has changing needs while preparing for new technical disciplines. For two years, as the Society vice president for technical activities, I initiated a process to reorganize the technical committees by identifying missing or overlapping technical disciplines. By expanding this initiative across the Society, we can create focused technical communities serving a wider scope of technical disciplines. This maximizes our Society’s information-sharing potential and hence its value to you.

2. Offer effective forums for sharing technical information.

Our membership expects information access anytime, anywhere. In addition to traditional offerings, conferences, tutorials, and print publications, we have already invested in electronic information-sharing forums, such as e-books, distance learning courses, online periodicals, and portals. To better serve our globally dispersed professionals, I will drive an effort to cost-effectively leverage such forums to maximize their systematic use by all our technical communities.

3. Provide synergistic offerings to capitalize on our Society’s existing resources.

To improve the Society’s information dissemination, I will proactively establish cross-functional efforts between individual program boards and create integrated sets of synergistic offerings for each technical community. This objective will require unifying users’ data-bases and establishing steering committees for different technical disciplines. Such an initiative will strengthen the dissemination of current products and services among computing professionals.

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and then assistant editor-in-chief, and finally served two terms as editor in chief for the IEEE Annals of the History of Computing. Williams served in different capacities as a member of the Publications Board during the past eight years. Additionally, he chaired the History Committee and the Pioneer Awards Committee and served as editor in chief of the Computer Society Press.

For 30 years, Williams was a professor of computer science at the University of Calgary, leaving recently to become head curator of the Computer History Museum in Mountain View, California. Williams received a BS in chemistry and a PhD in computer science. He has received several awards for his work for the Computer Society, including recognition as a Golden Core member. Williams received a national award from the Canadian Information Processing Society for his work in recording computer history and recognition from the University of Calgary for his contributions as a teacher. In 2005, he was awarded an honorary DSc from the University of Glasgow for his contributions to computer science.

(Part of Williams continued)

Nominees for first vice president

Rangachar Kasturi

Position statement. I am pleased that you are reading these statements because my primary goal, if elected, will be to enhance communication with our members and increase their participation in IEEE Computer Society activities. The Society offers members many products and services and provides opportunities for participation through technical committees, standards activities, editorial boards, and other volunteer groups. As the Computer Society treasurer since 2004, and as the vice president for publications during 2001-2003, I have worked closely with our volunteer leaders and staff to implement our members’ priorities in enhancing our products and services.

Our future depends on the ability to be innovative and to enhance those products and services that help our members professionally. In these difficult economic times, it is also necessary to consider discontinuing some of our products or services so that we can fund new initiatives without increasing the financial burden on our members. Your suggestions are, of course, always welcome on all such important matters.

The Computer Society faces many challenges in the years ahead due to declining subscriptions to our periodicals, increasing IT costs for electronic delivery of our products, and changes in the revenue distribution formula from our parent organization. I believe, however, that in these challenges also lie many opportunities to enhance the value of membership and to continue as the leading provider of technical information to computer professionals. I very much appreciate your support in this endeavor.

Biography. Kasturi is the treasurer of the IEEE Computer Society. He served as the vice president for publications activities during 2001-2003 and was the editor in chief of IEEE Transactions on Pattern Analysis and Machine Intelligence during 1995-1998.

Kasturi began his professional career as an engineer in the electrical power industry in 1968. He then served as a communications engineer in the electronics industry (1969-1978). After receiving his PhD from Texas Tech University in 1982, he served as a professor at Pennsylvania State University until 2003. He is now the Douglas W. Hood Professor and chair of computer science and engineering at the University of South Florida. Kasturi has been a strong supporter of close interaction between academia and industry. He is a co-

(Murali continued)

My leadership and experience as a Society volunteer for more than 20 years (heading conferences, technical committees, publications, and standards) provide me with a proper background to champion these tasks. I would be honored to serve you as president.

Biography. Yervant Zorian is the Society’s current vice president for conferences and tutorials and a member of the Society’s Board of Governors, as well as the Executive, Fellows, and Membership Committees.

In other leadership roles, Zorian served as the Society’s vice president for technical activities, headed strategic planning teams, and served as editor in chief for IEEE Design & Test of Computers. He chaired the Technical Committee and, later, the Technical Council on Test Technology. He founded and chaired the IEEE 1500 standardization working group and established several new symposia and workshops on hardware and software systems for design and test. Zorian recently received the prestigious IEEE Industrial Pioneer Award.

Zorian is the vice president and chief scientist of Virage Logic and a professor at the University of British Columbia. Previously a distinguished member of technical staff at Bell Laboratories and chief technology advisor for LogicVision, Zorian received an MS from the University of Southern California and a PhD from McGill University.

An IEEE Fellow, he has authored 300 papers, holds 13 US patents, and received both the Computer Society’s Distinguished Service Award and Bell Labs’ R&D Achievement Award.

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Murali Varanasi

Position statement. The IEEE Computer Society is the leading technical society, serving its members by providing products and services in the computer science and engineering disciplines. The Society is always striving to meet the ever-changing needs of computing professionals. This objective requires us to be in continuous communication with our members and afford them the highest value for their membership by offering state-of-the-art products and services. The Computer Society faces many financial challenges due to the severe and ever-increasing financial burden imposed by our parent organization, the IEEE. However, the volunteer leaders and staff have worked very hard to maintain the outstanding value our members expect from us.

I have served the Society as a volunteer for almost three decades in chapters, conferences and tutorials, educational, and publication activities. I look forward to working with our volunteer leaders and staff to ensure that member services, up-to-date products, and technical information for computer professionals continue to be of the highest quality. I always welcome your suggestions for the continuing improvement of our products and services.

Recently, our discipline has lost some of its attractiveness, particularly to students at the precollege level. This trend must be reversed, and it is a priority for us to promote programs aimed at attracting these future members. In addition, we should develop new products designed for working professionals to update their knowledge through lifelong learning. I will vigorously pursue these goals, and I would consider it a great honor to serve you as vice president.

Biography. Murali Varanasi, the Educational Activities Board vice president, has served the Society since 1975. His service includes Chapter Activities vice president, Computer Society Press, Publications Board, Distinguished Visitors Program, Fellows Committee, Transactions Operations Committee, and Awards Committee. He is a Society representative to the Computing Sciences Accreditation Board and serves as its treasurer.

Varanasi is professor and chair of the Electrical Engineering Department at the University of North Texas. Varanasi received a BS in physics and in electronics engineering from Andhra University and the Madras Institute of Technology, India, respectively. He received an MS and PhD in electrical engineering from the Univer-

Kasturi was president of the International Association for Pattern Recognition (IAPR) during 2002-2004. He was a general chair of the IEEE International Conference on Computer Vision and Pattern Recognition in 2001 and the general co-chair for the technical program of the Conference on Pattern Recognition in 2002. He was named a Fulbright Scholar in 1999 and is a Fellow of both the IEEE and the IAPR.

### Nominees for second vice president

**Susan K. (Kathy) Land**

*Position statement.* I will strive to ensure that Society products are relevant to the marketplace, are affordable, and provide a consistent view of the state of the practice. I will continue to actively facilitate IEEE efforts to establish software engineering as a true professional engineering discipline. One of my goals is to help IEEE Computer Society standards become identified as benchmarks of software engineering correctness. Accordingly, these standards will provide users with total solution improvements, and the Society will retain its position as the recognized authority and source for defining how software is developed and maintained.

The diversity and breadth of our membership challenges us to provide value to each member. I will aim to maintain a focus on what is required to establish and nurture the mechanisms that help us understand, respond to, and serve our current and potential user base. I will work to ensure that all Computer Society products provide true value to practitioners and their organizations. I will focus on the definition of initiatives and direction that support interoperability, marketing, and expansion.

As second vice president of the Computer Society, I will enthusiastically introduce new services and products, bring an optimistic outlook to long-term planning, and support efforts in pursuit of financial responsibility. I will also work diligently to continue to provide Society products at their premier quality level and to increase our professional membership and prestige worldwide.

*Biography.* Kathy Land is a software engineering section manager for Northrop Grumman Information Technology/TASC with more than 18 years of information technology work experience, including information management systems programming and software engineering management.

Land is currently the IEEE Computer Society’s vice president of standards activities. During her tenure, the Standards Activities Board has focused on initiatives in support of the Board of Governors Strategic Plan. She is a member of the IEEE Software Engineering Online editorial board, member of the IEEE Computer Society International Design Competition committee, member of the IEEE Computer Society Distance Learning Committee, and a contributor to the development of the IEEE Certified Software Development Professional exam. Land is also a member of the IEEE Computer Society Software Engineering Portfolio Oversight and Information Technology Oversight Committees.


**Kathleen Swigger**

*Position statement.* From 1995 to 1998, I served as one of the software editors for *Computer* magazine, after which I was appointed to the executive board, where I currently serve as an associate editor in chief and the research features editor. I also serve on the Electronic Products and Services Board, where I led the committee in redesigning the Computer Society’s Web site. In the past, I have served on the Conference and Tutorials Board, Audit Committee, and Board of Governors (1998-2005).

If elected, I will continue to explore ways in which technology can be used to provide online information and community for our members. I am also concerned about how technology is creating imperfect work environments and what the Society can do to ensure that its members can cope with and even profit from these changes. There is also the challenge of learning how to use the Internet to ensure the Computer Society’s solvency while, at the same time, addressing the demand for open source documents. Finally, I will explore ways in which technology can be used to give the international membership more access and representation to the Society’s boards and committees.

*Biography.* Kathleen Swigger, who received a BA, MA, and PhD from the University of Iowa, is currently associate dean of research and a professor of computer science and engineering at the University of North Texas in Denton, where she conducts research and teaches in the areas of computer-supported cooperative work, human interfaces, and artificial intelligence.

Along with her academic background, Swigger has substantial practical experience, including contributing to the development of an intelligent tutoring system for space operations, a gate allocation system for a major airline, a pilot mission debriefer for the US Air Force, and several cooperative software projects with a number of different companies. She is the recipient of several National Science Foundation, US Department of Education, US Department of Defense, and state grants to develop special collaborative software.

Swigger is currently working with the faculty at Middle East Technical University in Ankara, Turkey, the University of Panama, and the University of Durham, England, on a project that is examining factors that contribute to the success of programmers working together over the Internet. As a university professor, Swigger has received a number of teaching and professional awards. She is also involved with several technology projects related to undergraduates and women.
Donald J. Bagert  
Position statement. I advocate two primary objectives:  
1. Strengthen the practitioner aspect of the Computer Society. This can be done through an increased focus on publications and conferences targeted to working computing professionals. The Society should further support continuing education, professional certifications, and other practitioner-oriented projects such as the Software Engineering Body of Knowledge guide.  
2. Significantly increase the visibility of the Computer Society to the community of future practitioners. Currently, there are relatively few IEEE Computer Society student chapters. The Technical Activities Board is proposing a new Technical Committee for Students, which would completely transform the role of the Computer Society on campus. It would allow forming TC-STU chapters at college campuses while reducing both costs and bureaucracy for students involved. The increased visibility will lead to more students joining the Computer Society upon graduation. I strongly support this initiative.  

Biography. Don Bagert is a professor of computer science and software engineering and the director of software engineering at the Rose-Hulman Institute of Technology in Terre Haute, Indiana. For the Computer Society, he serves as a member of the Certified Software Development Professional certification committee and was its chair in 2003-2004. Bagert is on the Professional Practices Committee, Educational Activities Board, and the Software Engineering Portfolio Oversight Committee. He was also the past steering committee chair of the IEEE Computer Society Conference on Software Engineering Education and Training. Currently an associate editor in chief of IEEE Software magazine, Bagert is also a member of the IEEE-USA Licensure & Registration Committee. He received a PhD in computer science from Texas A&M University and has published more than 120 articles in various areas of the computing field. In 1998, Bagert was the first person licensed as a professional engineer in software engineering in both the state of Texas and the United States. Bagert is a senior member of the IEEE and an IEEE Computer Society Golden Core Member, and he received an Outstanding Contribution Award from the Computer Society in 2002.

Denis L. Baggi  
Position statement. The IEEE Computer Society is the leader in computing science and engineering. However, I claim this is not enough. Computers are no longer the reserved toys of specialists. Much has been contributed by communities where the Computer Society has practically no penetration or credibility. For example, the industry of digital music and entertainment is second only to oil.  
I have mentioned such trends in an article titled “Addressing the Evolving Profile of Computer Professionals,” (Computer, Oct. 1997). The Computer Society must be where professionals contribute to extending the boundaries of our beloved discipline.  
I propose that the IEEE Computer Society continue with its present quality and strengthen it with credibility to those who are not familiar with it. My past efforts show it is possible to integrate the Technical Activities Board, Technical Committees, the Computer Society Press, Standards Activities, and the IEEE Web site and create synergies where presently there are none.  

Biography. Denis L. Baggi has been active on the IEEE Computer Society Technical Activities Board since 1992, when he founded the Technical Committee on Computer-Generated Music. He was the editor of Readings in Computer Generated Music, after acting as guest editor for the July 1991 issue of Computer—the first time the Computer Society Press produced an audio CD. The Technical Committee contributed, among others, the CD-ROMs An Intelligent Music Workstation and Standards in Computer Generated Music, which was one of the first publications of its kind. Since 2002, Baggi has also been a member of the Standards Activities Board and the sponsor of standard P1599 for the encoding of symbolic music, for which he serves as chairman of the working group.  
Baggi graduated in electrical engineering from the Swiss Federal Institute of Technology in Zurich and received a PhD from the University of California, Berkeley. He has been a faculty member at US universities, a research scientist, and a manager in both the US and Switzerland. He is presently a faculty member at the University for Applied Sciences of Southern Switzerland, near Lugano. His publications are on mainstream computer science and its applications to music and musicology.

Michael Blaha  
Position statement. I think the greatest contribution I can make to the Board of Governors is my background. I have spent my career working in industrial research and development and as an independent technical consultant, which has given me wide exposure to many industries and companies. Most of my work has been in the US, but I have also had experience working overseas. I believe my background helps me understand the business changes that are happening in society and how they affect Computer Society members.  
If I become a member of the Board of Governors, I will pay special attention to activities that help members to keep current with technology and to improve their skills to cope with the marketplace.  

Biography. Michael Blaha received a PhD in chemical engineering from Washington University in St. Louis, Missouri, where his dissertation concerned databases. Both his academic background and working experience involve engineering and computer science. Blaha worked at the General Electric Research and Development Center in Schenectady, New York for eight years. For the past 12 years, he has been a consultant and trainer in the areas of modeling, software architecture, database design, and reverse engineering. Blaha has authored six US patents, four books, and many papers. His most recent book is Object-Oriented Modeling and Design with UML, (2nd ed.). Blaha is an area editor for Computer as well as a member of the IEEE Computer Society Publications Board. He has also been active in the IEEE Working Conferences on Reverse Engineering. Blaha is now a partner at Modelsoft Consulting (www.modelsoftcorp.com).
António Dória

**Position statement.**
To face the challenges of the new millennium, our Society must produce knowledge, develop the profession, increase the community, and consolidate its financial situation.

If elected, I will focus on enhancing our production of knowledge. I will be committed to establishing a link between academia and industry by creating programs that are specially tailored to practitioners. I will work to increase local activities by supporting chapters and by adapting our offerings to economically stressed areas like Latin America, Africa, eastern Europe, and Asia. I will work with both students and members to build possibilities for future growth by attracting—and retaining—young professionals, enabling the creation of the new generation of volunteers.

In these difficult economic times, tough decisions are needed. I will work to ensure the long-term sustainability of our Society by discontinuing or adapting existing programs, products, or services that aren’t adding value to our membership. I am asking for your support.

**Biography.** António Dória is an action-oriented and enthusiastic working volunteer. Currently, he is the Region 9 Latin America liaison to the Computer Society. He also serves the IEEE and the Computer Society as a 2004–2005 Region 9 Technical Activities Committee member, 2005 Region 9 Strategic Planning Committee member, Ecuador Section vice chair (2005–2006), and interim president of the IEEE Computer Society’s Ecuador chapter. Dória has been working to enhance the Computer Society’s presence in Region 9. In 2004 and 2005, he managed several initiatives that generated more than 2,000 new Computer Society student members, eight new Computer Society student chapters, and four new Distinguished Visitor Program speakers, leading to an increased visibility and set of activities for the Society in Region 9.

Dória is chairman of Matakiterani, a Braga, Portugal, software development, technology, and software engineering consulting company. He is also technology vice president of Enterprise Software Solutions in Miami, where he leads an international enterprise resource planning software project.

Dória is a senior member of the IEEE and a member of the IEEE Computer Society, IEEE Engineering Management Society IEEE Computational Intelligence Society, IEEE Robotics and Automation Society, IEEE Communications Society, IEEE Standards Association, IEEE Women In Engineering, and a professional member of the ACM.

Richard H. Eckhouse

**Position statement.**
An effective professional society depends upon enthusiastic volunteers and a dedicated staff to make the society viable. The IEEE Computer Society is fortunate in having both, yet it still lags, like most professional organizations, in engaging more than a small number of computing professionals. Thus, the overall goal of both the volunteers and staff is to find the ingredients that current and potential members desire enough to become and stay involved, not only as dues payers, but also as contributors to the Society.

Over the many years that I have been associated with the IEEE Computer Society, I have strived to return to the membership some of the benefits I have received by continuing to create new initiatives and programs. I have been fortunate in developing a large number of friends who have enriched my membership and given me a wealth of ideas for consideration as IEEE Computer Society benefits of membership when I was a board member. If elected to a new term on the board, I will continue in this vein and strive for increased membership numbers and benefits.

**Biography.** Richard H. Eckhouse is a professor emeritus at the University of Massachusetts Boston. He also is vice president and cofounder of MOCO, a biomedical research company. His industrial experience includes management positions at Digital Equipment Corporation and an appointment at IBM Research in Yorktown Heights. Eckhouse has taught computer science and electrical engineering at universities including Bucknell, Dartmouth, and Yale, as well as the State University of New York at Buffalo and the University of Massachusetts Amherst. His research focuses on the fundamentals of computing systems, machine and assembly language programming, real-time systems, computer architecture, biomedical devices, and the use of computers in human performance and rehabilitation studies. Eckhouse has published numerous technical articles in professional journals catering to both the computer and biomedical research communities. He is the author and coauthor of several textbooks on computer programming and architecture.

Eckhouse is a member of the IEEE and Sigma Xi, serving as a member of the Board of Governors of the Computer Society, a reviewer and session organizer/chairman for many national conferences, a member of numerous committees, vice president of publications, secretary of the Board of Governors, and a member of the joint CS/ACM Curriculum 2001 committee.

James D. Isaak

**Position statement.**
Our challenge is to complement the value of interpersonal networking (chapters, conferences, and so on) with Internet-supported collaboration. Flash communities, which allow any member to start or join emerging areas of interest, are a key enabling technology. Using these technologies to promote local and global activities is the next step.

We must attract the next generation of computing professionals, as well as form a new financial basis for our Society. This can create more open access to our publications and allow recombinant intellectual content to flower into the innovations of the future.

Finally, we must use our voice to influence the policy debates that can enable or inhibit these innovations in the many countries where our members and technologies are transforming the world.

**Biography.** Jim Isaak received a BS in computer studies and an MS in computer engineering from Stanford University. He has worked in software and management roles for 30 years, including positions at Digital Equipment, Data General, Intel, and IBM. Recently, Isaak entered academia at Southern New Hampshire University. Isaak has also led a number of standards activities, including the IEEE Posix (Unix) standards in 1984–1995, and he convened the ISO/IEC JTC1/SC22/WG15 working group.

Isaak has served on the Board of Governors for both the Computer Society and the Society for Social Implications of Technology and as Computer Society vice president for standards and for technical activities. Isaak has also served on the IEEE Board of Directors, the IEEE Executive Committee, and was nominated for IEEE vice president of technical activities.

The 2006 chair of the IEEE IT Strategy Committee, Isaak is the New Hampshire Computer Society chapter chair and a member of the IEEE Communications Society. His Computer Society honors include the Hans Karlsson Award and Golden Core recognition as well as certificates for both Outstanding Achievement and Appreciation. Isaak’s other honors include the IEEE Third Millennium Medal.

Isaak has served as Computer Society liaison to the Internet Society and the IEEE-USA.
Gary McGraw

Position statement. The IEEE Computer Society is a venerable organization with a strong technical brand. However, the computing world is undergoing rapid changes, and the Society is in danger of falling behind.

The Computer Society shouldn’t be a follower in electronic publishing, conferences, and webinars—it should be a leader. Only the membership can make this happen. Yet computer professionals are drifting away from membership in professional associations. Attracting and retaining new members is essential. The Computer Society must be a product that meets the needs of a new, wired generation.

If elected, I will represent the interests of the emerging new generation of commercial computing professionals. I will bring my operational experience of running and governing successful start-ups to help the membership transform the Computer Society for the future. I am honored to be nominated to run for the Board of Governors, and I greatly appreciate your vote.

Biography. Gary McGraw, who received a dual PhD in computer science and cognitive science from Indiana University, has worked with the IEEE Security & Privacy editorial board since the magazine’s inception, editing two departments, “On the Horizon” and “Building Security In.” He has spearheaded panels and outreach programs to bring IEEE Security & Privacy to a wider audience.

McGraw, Cigital’s chief technical officer, researches software security and sets technical vision in software quality management. He is the coauthor of five best-selling books including *Exploiting Software* (Addison-Wesley, 2004), *Building Secure Software* (Addison-Wesley, 2001), and *Java Security* (Wiley, 1996). A noted authority on software security, McGraw consults with major software producers and consumers. McGraw has written more than 60 peer-reviewed publications and functions as principal investigator on grants from the Air Force Research Laboratory, the Defense Advanced Research Projects Agency, the National Science Foundation, and the National Institute of Standards and Technology’s Advanced Technology program. He serves on the advisory boards of Authentica, Counterpane, and Fortify Software and is an advisor in the Department of Computer Science at the University of California, Davis. McGraw also received a BA in philosophy from the University of Virginia. He writes a security column for *Network* magazine and is often quoted in national press articles.

James W. Moore

Position statement. The IEEE Computer Society combines the strengths of modern information technology with the traditional practice of engineering. The Society occupies a unique position in the overlap of these two fields.

I will continue my efforts to increase the recognition of software engineering as a profession and as an engineering discipline. We already have a foundation: The 2004 edition of the *Guide to the Software Engineering Body of Knowledge* (SWEBOK) provides the baseline; our software and systems engineering standards are the world’s most comprehensive collection of professional norms; the Certified Software Development Professional program recognizes knowledgeable practitioners; and the new joint software engineering curriculum provides a basis for undergraduate education.

The trend toward the licensing of software engineers is a reality around the world. Although the Society is not an advocate of licensing, it should cooperate with licensing officials to ensure that they receive the best possible advice from software professionals.

Biography. Jim Moore is an executive editor of the Society’s *Software Engineering Body of Knowledge* project and is the Society’s liaison for international standards on software and systems engineering. His book, *Software Engineering Standards: A User’s Road Map*, was endorsed by the Software and Systems Engineering Standards Committee (S2ESC).

Currently serving as a member of the Society’s Board of Governors and as vice president for standards activities, Moore holds the Society’s newest certification, Certified Software Development Professional. Moore works as a senior principal engineer for the Mitre Corporation, a nonprofit company working in the public interest. Previously, he worked for IBM, where he was granted two patents. Moore graduated with a BS in mathematics from the University of North Carolina at Chapel Hill and an MS in systems and information science from Syracuse University.

An IEEE Third Millennium Medal recipient, Moore is also a member of the Society’s Golden Core and has received the Computer Society’s Outstanding Contribution and Meritorious Service awards. He won Best Paper awards at the IEEE’s Third International Conference on Software Reuse and the American Society for Quality’s Eighth International Conference on Software Quality. He has published in journals including *Communications of the ACM* and *IEEE Software*.

Sorel R. Reisman

Position statement. As a member of both the Electronic Products and Services and Publications Boards, I have been in the privileged position of being able to participate in developing the forward-looking and distinctive member services that make the Computer Society an exciting and vital professional organization. As chair of the eLearning Committee, I am proud of our distance learning and online books programs—programs now imitated by others.

It is essential that Board of Governors members have extensive knowledge and experience in the operation of a broad array of Computer Society activities, boards, and committees, as I’ve acquired as a Society volunteer, to address changes taking place in the Society. If I am elected, I will bring to the Board of Governors almost 20 years of dedication, participation, innovation, experience, and wisdom necessary to deal with these challenges. I look forward to doing that with your endorsement and vote.

Biography. Sorel Reisman has published and presented numerous articles on hardware, software, systems, management issues, and methodologies. His recent publications include papers on cost/benefits of software engineering, computer platform conversion, Internet-based distance learning, and mainframe to client/server migration, and a book titled *Electronic Learning Communities: Issues and Best Practices* (2003). Reisman is a member of the IEEE Computer Society Electronic Products and Services Board and chair of the eLearning Committee. He is a member of the Digital Library and Web Redesign committees and the Publications Board and is a member of the editorial board of *IT Professional*, for which he writes the “Ivory Tower” column. Reisman serves on the editorial boards of the *Journal of Global Information Systems*, the *Journal of End User Computing*, and the *Journal of Information Management* and is associate editor of *Annals of Cases in Information Technology*.

Reisman maintains relationships with industry, consulting with US and foreign corporations in the fields of information systems/technology development and management, multimedia computing, and digital libraries. Most recently, he served as acting chief information officer and senior vice president of information systems for a national utility billing company.
educational opportunities, including the Certified Software Development Professional certification program for software professionals, access to online books and courses, and a Digital Library containing magazines, journals, and conference proceedings. As a member of the Board, I would foster, encourage, and strengthen all of these activities.

Biography. Stephen Seidman is a current member of the Board of Governors. He serves as secretary to the board and as a member of the Executive Committee, Finance Committee, and Professional Practices Committee. Seidman also serves on the Society’s Educational Activities Board and Technical Activities Board. He has played a leading role in the Society’s effort to develop a certification examination for software engineers, and he chairs the committee responsible for developing training materials for the examination. Seidman is currently leading an international effort to develop standards for certifying software engineers.

Seidman is currently a professor of information systems and a professor of computer science at the New Jersey Institute of Technology, where he served as dean of the College of Computing Sciences from its creation in 2001 until 2005. Seidman received a BS in mathematics from the City College of New York and an MA and a PhD in mathematics from the University of Michigan. His research interests are in software architectures, and he has published more than 50 technical papers. Seidman is a Computer Society Golden Core member and a recipient of the IEEE’s Third Millennium Medal.

Robert H. Sloan

Position statement. My broad goal is to make the Computer Society, its products, and its services more relevant and useful to our members. This means making our services and products valuable to retain current members and attract computing professionals as new members. We must also attract new Computer Society members regardless of whether they are (or ever will be) IEEE members.

I will help streamline the Society’s operations to make sure it is efficient and stays financially viable. I will help the Society to implement the 2004 Strategic Plan by creating more value for its members. The expertise I bring to the Board of Governors is in the areas of education, lifelong learning, and cutting-edge research. I am interested in helping the Computer Society retain its strong voice in computing education at the undergraduate level across a range of fields: computer engineering, computer science, software engineering, and emerging areas like information technology.

Biography. Robert H. Sloan received a PhD in computer science from the MIT Department of Electrical Engineering and Computer Science. He is currently a computer science professor and director of graduate studies at the University of Illinois at Chicago. From January 2001 to August 2002, he served as program director for the Theory of Computing program at the National Science Foundation. He also serves as a program evaluator for computer science for ABET. His professional interests include computer science theory, computer security, and computer science education.

Since 2001, Sloan has served on the Educational Activities Board (where he was chair of the committee on diversity in 2001 and 2002), the Conferences and Tutorials Board, and is currently on the Membership Board of the Computer Society. He was a Computer Society representative to both the Computing Curriculum: Computer Engineering and Computer Science Steering Committees and secretary of the Computer Science committee. He is currently a Computer Society representative to the Computing Curriculum: Overview steering committee.

Sloan has authored numerous research articles, served on the program committees of numerous IEEE and non-IEEE conferences, and is a member of the editorial boards of two journals.

Pradipt K. Srimani

Position statement. My primary objective is to maintain and improve the Computer Society’s educational and conference activities for its members and the professional community. The discipline and the profession of computing are constantly evolving. The IEEE Computer Society, as the premier professional society for computing, will continue to play a major role in defining and championing major research thrusts (creation and dissemination of knowledge via conferences and publications) and in educating and training future leaders.

I will work with the volunteers and staff of the Society to improve its educational (e-learning and lifelong learning) and conference resources and products to add value for current and future members. I will reach out to other IEEE societies to collaborate on the common goals of the IEEE. Today, everyone has a stake in computing knowledge and education regardless of his or her specific profession. We can reach greater heights through collaboration and teamwork.

Biography. Pradip Srimani has served as vice chair of the Educational Activities Board and vice chair of the Conferences and Tutorials Board for several years. Previously, he served as editor in chief of the Computer Society Press and as an editorial board member of both IEEE Transactions on Knowledge and Data Engineering and IEEE Software. He is a member of the IEEE Computer Society/ACM Task Force on Computer Science and Computer Engineering Curriculum, the Awards Committee, the Magazine Advisory Committee, and the Publications Planning Committee. A fellow of the IEEE and a member of the ACM, he has served on editorial boards and as special issue guest editor of several journals. He is the founding program chair of the International Conference on Information Technology Coding and Computing.

Currently, Srimani is a professor and chair of computer science at Clemson University. His research interests include parallel and distributed computing, mobile computing, and graph theory applications. His research has been supported by the National Science Foundation, Hewlett Packard, and others.

Srimani received a BS in technology, an MS in technology, and a PhD from the University of Calcutta, India. He has published more than 200 papers in journals and conference proceedings, and he coedited two books for the Computer Society Press.
Makoto Takizawa  
Position statement. 
The IEEE Computer Society is the leading professional society in computing and networking and should play a leading role in the 21st century. The Society should promote academic and industry professionals with international conferences, publications, education, forums, and standardization. 

Global collaboration among various areas, countries, communities, and organizations is necessary now. If elected, I would like to improve and enhance the Computer Society’s ability to promote global and international technical activities—especially to members outside of North America. 

I organized the International Conference on Distributed Computing Systems and the International Conference on Network Protocols, and I founded the International Conference on Information Networking. 

I would like to create more active chapters of the Computer Society in Region 10 and other countries outside of North America, as well as cooperate with existing local chapters. I also would like to promote technical activities like conferences, forums, and publications by using high-speed Internet technologies. 

Biography. Makoto Takizawa served as general cochair of the IEEE International Symposium on Object-Oriented Real-Time Distributed Computing (ISORC) and program chair and general co-chair of the IEEE International Conference on Parallel and Distributed Systems in 2005. He is a founder and steering committee chair of the IEEE International Conference on Advanced Information Networking and Applications. 

He is also a member of the program committees of many IEEE Computer Society conferences. Takizawa is a member of the 2003-2005 Board of Governors and a Golden Core member of the Computer Society. 

Takizawa is a full professor in the Department of Computers and Systems Engineering at Tokyo Denki University, where he served as dean of the Graduate School of Science and Engineering from 2001 to 2005 and has been member of the Board of Counsellors since 2003. He has been a regular visiting professor at Keele University, England, since 1990 and at Xi’Dian University, China, since 2004. 

Takizawa is a Fellow of the Information Processing Society of Japan, a senior member of the IEEE, and a member of the ACM. 

Takizawa received a BE and ME in applied physics and a DE in computer science from Tohoku University, Japan.

Stephanie M. White  
Position statement. 
As vice president of technical activities, I am doing my utmost to support Computer Society members in learning, networking, career advancement, and enjoying our professional activities. I envision this occurring through powerful online communities, where we can communicate with colleagues who have similar professional interests and obtain insight into new advances in our own technical areas. Online communities can quickly identify support for emerging technologies such as autonomic computing and nanocomputing, two areas of interest that recently established technical committees. The communities can also bring academics and practitioners together in ways that make the two more successful. 

I am investigating applications that support online communities and a process for instituting them within the Society, as I want members to have the best support we can provide. 

I hope you will elect me as a member of the Board of Governors so that I may continue to work enthusiastically to support you. 

Biography. Stephanie White is the 2005 IEEE Computer Society vice president of technical activities. She chairs the Technical Activities Board and is a member of the Computer Society Executive Committee, Membership Committee, and Software Engineering Project Oversight Committee. A volunteer since 1993, White was the Technical Activities Board liaison to the Professional Practices Committee. She served on the Executive Committee of the Technical Council on Software Engineering and was founding vice-chair and chair of the Technical Committee on Engineering of Computer-Based Systems. She has served as guest editor for a theme issue of Computer on systems engineering, published many papers, and has also served on numerous conference committees. 

A professor in the College of Information and Computer Science at Long Island University, White teaches undergraduate through doctoral-level courses. Previously, she was a principal engineer of software requirements and architecture at Northrop Grumman. Appointed by the National Research Council, she served on the Information Technology Panel of the Board on Assessment of National Institute of Standards and Technology Programs, which submits an annual report to the US Congress. 

White is a Woodrow Wilson Fellow and received a BA and an MS in mathematics as well as an MS and PhD in computer science. 

IEEE Computer Society Election  
Cast your vote quickly and easily on the Web at http://www.computer.org/election/ or via fax to +1 516 248 4770. Ballots must be received no later than 12:00 noon EDT on Tuesday, 4 October 2005. 

To vote by mail, use the return-mail envelope provided and send your ballot to the address provided below. 

Return ballots by mail to: 
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