

2005 IEEE COMPUTER SOCIETY REPORT TO THE IFIP GENERAL ASSEMBLY

Part I — Review of Activities

The IEEE Computer Society continued to make progress in 2005 in expanding the Total Information Provider (TIP) program for computing professionals worldwide. Here is an update of our major programs:

IEEE Computer Society Online Bookshelf

www.computer.org/bookshelf

Members get access to a special online collection of unabridged books on variety of technology topics such as Java, project management, .NET, security, and Web services. Powered by Books24x7—a leading provider of online books and reference works.

Access to this rotating collection of 300 books, the *IEEE Computer Society Online Bookshelf*, is a free benefit of membership. IEEE Computer Society members also may purchase access to an 800-book and 4000-book collection at special rates.

IEEE Computer Society Digital Library

www.computer.org/publications/dlib

2005 enhancements to the digital library include:

- * Personalized welcome notice on search pages
- * Content/abstract alerts via RSS feeds
- * Download citations in multiple formats
- * Linked author names
- * Digital object identifiers (DOIs) for easy, permanent bookmarking

IEEE Computer Society Distance Learning Campus

www.computer.org/DistanceLearning

The IEEE Computer Society will expand its Distance Learning Campus in October 2005. Members will get access to 800 course modules in dozens of subjects such as Java, Cisco, Unix, XML, Sun, Oracle, and Microsoft technologies. Powered by Thomson NETg—a recognized leader in eLearning services.

Certified Software Development Professional (CSDP)

<http://computer.org/certification>

More than 550 people have completed the CSDP exam and have received the CSDP credential. The next exam period begins on 1 September 2005. More than two dozen additional testing sites in Europe were added in 2005.

CSIDC 2005

Teams from all over the world vied for thousands of dollars in prize and scholarship money in the Sixth Annual IEEE Computer Society International Design Competition (CSIDC). The competition gives under-graduate students an opportunity to develop a substantial project that mimics a real-world design life cycle and culminates in a live demonstration of student-developed prototypes. The first place award in 2005 went to North Carolina State University for their NEAT project, a system used for tracking endangered animals that combines GPS technology with wireless sensor networks. For more information, visit <http://www.computer.org/CSIDC>

Governance

The Society's 2005 Executive Committee members are:

Gerald L. Engel, 2005 President
Deborah M. Cooper, 2006 President
Carl K. Chang, 2004 President
Michael R. Williams, First Vice President for Publications Board
James W. Moore, Second Vice President for Electronic Products & Services
Christina M. Schober, Vice President for Chapters Activities
Yervant Zorian, Vice President for Conferences & Tutorials
Murali R. Varanasi, Vice President for Educational Activities
Susan K. (Kathy) Land, Vice President for Standard Activities
Stephanie M. White, Vice President for Technical Activities
Stephen B. Seidman, Secretary
Rangachar Kasturi, Treasurer
Gene F. Hoffnagle, 2004-2005 IEEE Division V Director
Oscar N. Garcia, 2005 IEEE Division V Director-Elect
Stephen L. Diamond, 2005-2006 IEEE Division VIII Director
Doris L. Carver, *Computer* Editor-in-Chief
David W. Hennage, Executive Director

The Computer Society Board of Governors consists of the executive committee and 21 elected governors. Current governors (by term expiration date) are:

<i>Term Expires 2005</i>	<i>Term Expires 2006</i>	<i>Term Expires 2007</i>
Oscar N. Garcia	Mark Christensen	Jean M. Bacon
Mark A. Grant	Alan Clements	George V. Cybenko
Michel Israel	Annie Combelles	Richard A. Kemmerer
Stephen B. Seidman	Ann Q. Gates	Susan K. Land
Kathleen M. Swigger	Susan A. Mengel	Itaru Mimura
Makoto Takizawa	James W. Moore	Brian M. O'Connell
Michael R. Williams	Bill N. Schilit	Christina M. Schober

Descriptions of the major boards and other Society activities can be found on our Web site at <http://computer.org>.

The IEEE Computer Society serves more than 100,000 members in over 140 countries through its Headquarters Office in Washington, DC, its Asia/Pacific Office in Tokyo, Japan, and its Publication Office in Los Alamitos, California. The Society also has service centers around the world: the Computer Society Beijing Center and Moscow Center. In Asia/Pacific, the society translated descriptions of its products and services in Japanese and now offers a new introductory page for members and customers in Japan through the Tokyo Office: http://www.tgi.jp/ieee_computer_society/

The Society has several memoranda of understanding (MOU) with national societies around the world. In 2004, the Computer Society signed an agreement with the Association for Information Systems (AIS) headquartered in Atlanta, Georgia, USA. The Computer Society renewed a cooperative agreement with the Institute of System Programming of the Russian Academy of Sciences.

The Society is proud to have a role in the worldwide computing profession as a full member of the International Federation for Information Processing (IFIP). The organizations co-sponsor several conferences including:

- International Conference on Dependable Systems and Networks (DSN)
- 12th International Conference on Parallel Architecture and Compilation Techniques (PACT)
- IEEE/ACM/IFIP International Conferences on Hardware/Software Co-design and Systems (CODES & ISSS).

In addition, IFIP is an in-cooperation partner in:

- 8th IEEE International Symposium on Object-oriented Real-time Distributed Computing, ISORC 2005
- 23rd IEEE International Symposium on Reliable Distributed Systems, SRDS 2004

The Computer Society appointed representatives to the 12 IFIP TCs, as follows:

<i>IFIP TC</i>	<i>TC Name</i>	<i>CS Representative</i>
TC 1	Foundations of Computer Science	Michael Hinchey
TC 2	Software: Theory and Practice	Joseph E. Urban
TC 3	Education	Willis K. King
TC 5	Computer Applications in Technology	Ron Waxman
TC 6	Communications Systems	Arun Iyengar
TC 7	System Modeling and Optimization	Sanjay Ranka
TC 8	Information Systems	Erich J. Neuhold
TC 9	Relationship Between Computers and Society	Gerald L. Engel
TC 10	Computer Systems Technology	Daniel A. Etiemble
TC 11	Security and Protection in Info. Processing Systems	Yves A. Deswarte
TC 12	Artificial Intelligence	Daniel E. O'Leary
TC 13	Human-Computer Interaction	Nahum D. Gershon

Part II — Input to IFIP

As advances in information technology continue to change the way we conduct our work, the need to establish closer relationships with affiliated organizations throughout the world becomes increasingly important. IEEE Computer Society encourages IFIP to reach out and establish these relationships in ways that offer opportunities for IFIP members and others to directly access each other's products and services. Building our network together means building a stronger profession worldwide. Organizations with which Computer Society has formal relationships are found below:

- American Institute of Aeronautics and Astronautics (AIAA)
- American Institute of Physics (AIP)
- American Mathematical Society (AMS)
- Asociación Española de Informática y Automática (AEIA)
- Association for Computing Machinery (ACM)
- Association for Information Systems (AIS)
- Association of Information Technology Professionals (AITP)
- Associazione Italiana per l'Informatica ed il Calcolo Automatico (AICA)
- Australian Computer society (ACS)
- British Computer Society (BCS)
- China Computer Federation (CCF)
- Chinese Institute of Engineers (CIE)
- Computer Engineering and Application Society of the Chinese Institute of Electronics (CEAS)
- Computer Society of India
- Computer Society of the Republic of China (CSRC)
- Gesellschaft für Informatik (GI)
- Hong Kong Computer Society (HKCS)
- Information Processing Society of Japan (IPSJ)
- Information Systems Technical Society of The Institute of Electronics, Information and Communication Engineers of Japan (IEICE)
- Informationstechnische Gesellschaft im Verband Deutscher Elektrotechniker (VDE/TTG)
- Institute for Operations Research and the Management Sciences (INFORMS)
- Institute of Electrical Engineers of Japan (IEE)
- Institute of Management Accountants (IMA)
- Institution of Electrical Engineers (IEE-UK)
- Instrument Society of America (ISA)
- International Society for Optical Engineering (SPIE)
- Japanese Society for Artificial Intelligence (JSAI)
- Koninklijke VJaamse Ingenieursvereniging (KVIV) (*Royal Society of Flemish Engineers*).
- Korea Information Science Society (KISS)
- Mathematical Association of America (MAA)
- Nederlands Genootschap voor Informatica (NGI) (*Dutch Computer Society*)
- Österreichische Computer Gesellschaft (OCG) (*Austrian Computer Society*)

- Schweizer Informatiker Gesellschaft (SI) (*Swiss group for Artificial Intelligence and Cognitive Science*)
- Singapore Computer Society (SCS)
- Sociedad Chilena de Ciencia de la Computacion (SCCC) (*Chilean Computer Science Society*)
- Sociedade Brasileira de Computação (SBC) (*Brazilian Computer Society*)
- Society for Computer Simulation (SCS)
- Society for Industrial and Applied Mathematics (SIAM)
- Society of Automotive Engineers (SAE)