UCSD’s Smarr Receives Kanai Award

Supercomputing innovator Larry Smarr recently received the 2006 IEEE Computer Society Tsutomu Kanai Award in a special ceremony at the International Symposium on Autonomous Decentralized Systems in Sedona, Arizona.

His citation reads, “For pioneering research in the design and architecture of distributed national infrastructures for high-performance computing.”

Smarr, the Harry E. Gruber Professor of Computer Science and Information Technologies at the University of California, San Diego, is one of the country’s top experts on supercomputing. He was formerly director of the National Center for Supercomputing Applications at the University of Illinois at Urbana-Champaign, where the original Mosaic Web browser was created. Smarr is currently a Senior Fellow at the Crick-Jacobs Center for Theoretical and Computational Biology at the Salk Institute in La Jolla, California.

In 2000, Smarr became the founding director of the California Institute for Telecommunications and Information Technology, which brings together more than 200 University of California faculty members with more than 50 industrial partners to research the future development of the Internet.

Smarr is a Fellow of both the American Physical Society and the American Academy of Arts and Sciences. He is a member of the National Academy of Engineering and served on the US President’s Information Technology Advisory Committee. Smarr currently serves on the NASA advisory council and the advisory committee to the director of the National Institutes of Health.

Other organizations that have honored Smarr include the Franklin Institute, which awarded him the 1990 Delmer S. Fahrney Medal for Leadership in Science or Technology, and the Telluride Tech Festival, which presented him with its Technology Award in 2005.

The Tsutomu Kanai Award consists of a certificate, crystal memento, and a $10,000 honorarium. It recognizes major contributions to state-of-the-art distributed computing systems and their applications. The award was created in 1995 with an endowment from Hitachi in honor of its now-retired president, Tsutomu Kanai.

For further information on the IEEE Computer Society Tsutomu Kanai Award, as well as other IEEE Computer Society honors, visit www.computer.org/awards.

IEEE Computer Society e-Learning Campus Adds Value to Membership

The newly revamped IEEE Computer Society e-Learning Campus provides Society members with easy access to online learning materials and opportunities for professional development and certification. These resources are either included in the cost of membership or offered to members at special discounted prices.

ONLINE COURSES

The Computer Society offers more than 1,300 courses on a variety of technical topics. Key areas of instruction include courses for computer professionals, office productivity training, security issues, business fundamentals, and courses on building and operating Cisco networks. Software engineers who are planning to take
the Computer Society-administered exam for Certified Software Development Professional status can also take a test-preparation class online.

**IEEE COMPUTER SOCIETY DIGITAL LIBRARY**

The Computer Society Digital Library is a repository for decades of authoritative peer-reviewed research, including current and back issues of magazines, journals, conference proceedings, and more. A subscription to the IEEE Computer Society Digital Library, available exclusively to Society members and library/institution customers, includes online access to 25 periodicals and more than 2,500 Computer Society conference publications.

**BOOKS AND TECHNICAL PAPERS**

The IEEE Computer Society e-Learning Campus also offers members free access to a rotating collection of more than 500 technical books and papers on a variety of computing topics. Members enjoy discounted access to more than 6,000 other titles via the ITPro and EngineeringPro collections at www.Books24x7.com.

**CERTIFICATIONS AND EXAMS**

The Society’s Certified Software Development Professional program is the only brand-name professional credential in software development. The program is intended for mid-level software development and software engineering professionals. The CSDP examination was developed in collaboration with Chauncey Group International, a subsidiary of Educational Testing Service.

Other resources include Brainbench exams that demonstrate mastery of common software applications and certificates of completion for many online courses offered through the e-Learning campus.

To learn more about the IEEE Computer Society e-Learning Campus, visit www.computer.org/portal/cms_docs_cs/ieeecs/jsp/elearning/campus_home.jsp.

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**IEEE Transactions on Mobile Computing Seeks Editor in Chief**

*IEEE Transactions on Mobile Computing* is seeking candidates who are interested in serving a three-year, non-renewable term as editor in chief, beginning in 2008. 

*TMC* focuses on key technical issues related to architectures, support services, algorithm/protocol design and analysis, and mobile environments. Other technical areas addressed by *TMC* include mobile communication systems, applications, components, implementation issues, and emerging technologies.

Candidates for editor in chief should possess a strong understanding of industry, academic, and government aspects of the field. Specifically, *TMC* seeks candidates with qualifications that span the breadth of the technical issues covered by the publication. In addition, candidates must demonstrate the managerial skills necessary to process manuscripts through the editorial cycle in a timely fashion. Applicants must also have clear employer support.

An editor in chief must be able to attract respected experts to the editorial board. Major responsibilities of the editor in chief include actively soliciting high-quality manuscripts; identifying and appointing editorial board members; selecting competent associate editors for reviewing manuscripts; providing leadership, vision, and guidance where appropriate; and maintaining relationships with other societies that support *TMC*.

Nominations should include the name and institutional affiliation of the nominee, a brief biographical sketch, and a narrative description of the nominee’s qualifications, including any personal knowledge about the nominee. Nominations should also include written confirmation that the candidate accepts the nomination. Nominees will also be asked to supply a position statement outlining a vision for the future of *TMC*.

The *TMC* steering committee will act as a selection committee and aims to complete the selection process by early November. Nominations should be sent to Alicia Stickley at astickley@computer.org and must be received by 1 October in order to be considered.

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To learn more about the IEEE Computer Society, visit www.computer.org/join/
SE Vocab Project Aims to Standardize Definitions and Encourage Database Use

The result of a cooperative effort by the IEEE Computer Society, the International Organization for Standards, and the International Electrotechnical Commission, SE Vocab is a freely available online resource that supplies standardized definitions of terminology in software and systems engineering from international standards.

The SE Vocab database is intended to serve as a useful reference for information technology researchers and practitioners and to encourage the use of software and systems engineering standards prepared by the IEEE, as well as ISO/IEC and its liaison organization, the Project Management Institute. Users can search for any term as defined in the standards or for all the definitions in a source standard. To help provide context, SE Vocab searches return any definition for a term as well as all other definitions that use the term. SE Vocab provides definitions that are rigorous, uncomplicated, and easily understood. Comments and illustrations taken from the source standards have been added to clarify selected definitions.

Sources and citations
The primary source document for SE Vocab is IEEE Standard 610-12-1990, the IEEE Standard Glossary of Software Engineering Terminology. Nevertheless, approximately two-thirds of the definitions in the database are new since IEEE Standard 610-12 was last updated in 1990, a reflection of the continuing evolution of the field.

The SE Vocab database will be issued periodically as a formal, published international standard (ISO/IEC 24765) that reflects a snapshot of the database and will replace IEEE Standard 610-12-1990. Copyright permissions included with SE Vocab allow users to copy definitions from the database as long as the source of the definition is cited.

A public resource
Public usage of the definitions is intended to encourage the use of other IEEE, ISO, IEC, and PMI software and systems engineering standards. To learn more about the SE Vocab online database, visit www.computer.org/sevocab.

Software Engineering Volume Translated into Russian

The IEEE Computer Society, in cooperation with the ACM, has given the Russian Information & Computer Technology Industry Association (Apkit) permission to translate Computer Curricula 2004: Software Engineering into Russian. Apkit, in cooperation with several other organizations, has printed 4,000 copies for distribution to the most important Russian and Ukrainian universities.

The IEEE Computer Society/ACM Task Force on Model Curricula for Computing was formed to review existing curricula from 1991 forward. The task force has developed a revised and enhanced version that addresses developments in computing technologies over the intervening years. The curricula are designed to sustain instruction throughout the coming decade.

A n electronic version of the translation is being prepared for release on the Web site of Russia’s St. Petersburg University, at www.spbu.ru.  

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