Swiss Federal Institute of Technology (ETH) Zurich software engineering professor Bertrand Meyer, developer of the Design by Contract method of producing reliable software systems, has been named winner of the 2010 IEEE Computer Society Harlan D. Mills Award. Meyer has been active in pioneering modern ideas of software engineering and object technology on both the industrial and academic scenes. As cofounder of Santa Barbara, California-based Eiffel Software, he has led the development of tools and libraries totaling several millions lines of code, taught industrial seminars that introduced object technology to thousands of attendees, and provided consulting to companies and government agencies.

NOTEWORTHY ACHIEVEMENTS

Meyer’s citation reads: “for practical and fundamental contributions to object-oriented software engineering, software reuse, and the integration of formal methods into the above.”

As professor of software engineering at ETH Zurich since 2001, he has introduced a new approach to the teaching of programming and is directing research on topics such as automatic testing, program proofs, and concurrent programming.

Meyer is known in particular for his introduction of Design by Contract, a technology for producing reliable software systems. Originally crafted for the Eiffel language, the concept of Design by Contract has influenced many other designs, in particular extensions to Java, C#, UML, and the .NET framework. He is an ACM Fellow, recipient of the ACM Software System Award and Dahl-Nygaard Prize for object-oriented programming, an honorary doctor of the State University of Saint Petersburg, and a member of the French Academy of Technologies.

HARLAN D. MILLS AWARD

The Harlan D. Mills Award recognizes researchers and practitioners who have demonstrated longstanding, sustained, and meaningful contributions to the theory and practice of the information sciences, focusing on the practice of software engineering through the application of sound theory. The award consists of a $3,000 honorarium, a memento, and an invitation to address the annual International Conference on Software Engineering, cosponsored by the IEEE Computer Society Technical Council on Software Engineering. More information on the Harlan Mills award, including a list of past recipients, is available at www.computer.org/portal/web/awards/harlan.
Society Names New CSDPs

The IEEE Computer Society’s Certified Software Development Professional credential is intended for midcareer software development professionals who want to confirm their proficiency of standard software development practices and advance their careers. The Computer Society recognizes and congratulates the following professionals who recently earned CSDP status.

New CSDP credential holders from North America

Robert Abatecola  
James W. Albers, Fastpilot  
Robert Amato, DRS  
Thomas Athanasiou  
Jeffery L. Beckman, Boeing  
Edward C. Bodfish, GTSum  
Alan J. Bond, Nationwide Insurance  
Charles A. Boyung, Nexus Technologies  
John B. Brock, XcitekSolutionsPlus  
Alan W. Brooks, MITRE  
Roman P. Chaws, ABB  
Tony Click  
William A. Conklin  
Craig D. Cote, Skytrac Systems  
Craig M. Csontos, Computer Sciences Corporation  
Stevi M. Deter, Mantis Technology Group  
Kenneth E. Domino, Domem Technologies  
Jonathan D Dunfee  
Steven G. Dytiuk, Computronix  
Sean Eade, Siemens  
Rita C. Eaton  
Paul N. Epps, AACN  
Katie Eveler  
Graham A. Farquharson, CGI  
Zewdu Fekede  
Meik Felser, Siemens  
Duane Friedly, Trivix International  
Jonathan C. Glerum, Northrop Grumman  
Michael Golm, Siemens  
Samuel J. Greenfeld, McAfee  
George Hacken, Altman Research  
Salim J. Halim, IBM  
Brian Hall  
Sarah E. Hancock  
Ryan B. Harvey  
Andrew Heron, Aspect Software  
Lionel Hummel, Hummel Automation  
Jerry B. Isdale  
Matthew D. Jallo, GoDaddy.com  
Erik O. Juhl, City of Bloomington, Minnesota  
Marc Jullion, General Dynamics Canada  
Anatol W. Kark  
John LaCroix Jr., GE Healthcare  
Lawrence Lamb, Sypris Electronics  
Kenneth W. Litzler  
Julia M. Lobur, Commonwealth of Pennsylvania  
Thibaud Lopez Schneider  
David C. Lyons, Datronics  
Jeffrey S. Mayo, TransCore

Robert Schreiber, IBM  
Martin A. Schulman  
David L. Schweizer  
Andy C. Shih, IEEE Computer Society  
Michael G. Smith, Siemens  
Michael Sousa  
Todd Hamilton Stokes, Emory University  
Ian J. Stokes-Rees, Harvard Medical School  
John Summers, Medtronic  
Michael Swainston, Schneider Electric  
Natarajan Swaminathan  
Brian Tate  
Jonathan T. Trivett  
Walter A. von Westphalen, Hewlett-Packard  
Bradley Wehrwein, Siemens  
Christoph Wienands, Siemens  
Rachelle Wirth, Northrop Grumman  
Binglong Xie, Siemens  
George O.M. Yee

New CSDP credential holders from China

Chengming Gong, NARI Technology  
Hao Yan, Transn Information
Two Transactions Move to New Publishing Model

In a move to provide quicker access to research, two IEEE Computer Society journals, *IEEE Transactions on Visualization and Computer Graphics* and *IEEE Transactions on Dependable and Secure Computing*, will transition to a new publishing model starting with their 2011 issues.

Issues change in frequency

*TVCG*, which will become a monthly journal in 2011, publishes research on subjects related to computer graphics and visualization techniques, systems, software, hardware, and user interface issues. *TDSC*, which will become a bimonthly journal in 2011, publishes archival research results focusing on foundations, methodologies, and mechanisms that support the realization—through design, modeling, and evaluation—of systems and networks that are dependable and secure to the desired degree without compromising performance.

New modes of delivery

The OnlinePLUS+ publication model gives subscribers three ways to receive journal content for a lower price than traditional print: online access, interactive disk, and a book of article abstracts.

“We are entering a new era of scholarly publication that raises the standards for publishing new ideas,” said David Alan Grier, IEEE Computer Society vice president of publications. “This new format gives scholars a better opportunity to review and test the concepts in the articles. It gives readers a much clearer presentation of new technologies and new ideas.”

The new model speeds up the publication of—and access to—new research results.

In addition to containing papers in their entirety, the interactive disk will include supplemental materials that are usually only posted online in the Computer Society Digital Library, making it possible to view such materials without accessing the Internet.

Environmental and cost benefits

In addition to a projected reduction in mailing costs, OnlinePLUS+ further aligns the Computer Society with IEEE’s Green Initiative, which encourages reductions in the use of energy and natural resources.