PAMELA ZAVE TO RECEIVE THE IEEE COMPUTER SOCIETY 2017 HARLAN D. MILLS AWARD

Pamela Zave, lead inventive scientist at AT&T Labs and visiting professor at Princeton University, will receive the 2017 IEEE Computer Society Harlan D. Mills Award. Honored for her “groundbreaking use of formal methods in the development of telecommunication software and enduring contributions to software engineering theory,” Zave will receive a $3,000 honorarium, a plaque, and the invitation to speak at the 2017 IEEE/ACM International Conference on Software Engineering (ICSE) in Buenos Aires, Argentina (20–28 May 2017), which is cosponsored by IEEE Computer Society’s Technical Council on Software Engineering (TCSE).

Zave led a group that developed the service software for two successful large-scale, IP-based telecommunication systems. These systems were based on her Distributed Feature Composition (DFC) architecture, which has been incorporated into the Java Community Process standard for session initiation protocol (SIP) servlet containers as well as an open source tool suite for building SIP-based services. Zave holds 26 telecommunications patents.

Her foundational work in the field of requirements engineering provided the basis for the acclaimed REVEAL method. Groundbreaking papers on this work won three Ten-Year Best Paper Award honors at conferences in 2003, 2005, and 2010. She has also been active in the areas of software modeling and verification, as well as patterns in network architecture.

Zave’s current research interests focus on the architecture and composition of networks and distributed systems.

She served as chair of the IFIP Working Group 2.3 on Programming Methodology, and vice chair and secretary-treasurer of ACM SIGSOFT, and she has held positions at Bell Labs and the University of Maryland. Zave served as an associate editor of IEEE Transactions on Software Engineering, ACM Transactions on Software Engineering and Methodology, Requirements Engineering, and ACM Computing Surveys.

The Harlan D. Mills Award recognizes researchers and practitioners who have demonstrated long-standing, sustained, and meaningful contributions to the theory and practice of information sciences, focusing on contributions to the practice of software engineering through the application of sound theory. Further information about the award, including a list of past recipients, can be found at www.computer.org/web/awards/mills.

SUSAN K. (KATHY) LAND TO RECEIVE THE 2017 IEEE COMPUTER SOCIETY MERWIN AWARD

IEEE Computer Society 2009 President and 2017 IEEE Vice President-Elect for Technical Activities, Susan K. (Kathy) Land has been selected to receive the 2017 IEEE Computer Society Richard E. Merwin Award for Distinguished Service. The award will be presented at the Society’s annual awards ceremony, to be held on 14 June 2017 in Phoenix, Arizona.

Land is recognized for “exemplifying true volunteer spirit and commitment to excellence, for significant and continuing contributions that support the vision and mission of the IEEE and the Computer Society.”

A long-standing dedicated volunteer, she also served on the IEEE CS Board of Governors as well as in a variety of other IEEE CS volunteer positions including vice president for standards activities and vice president for conferences and tutorials. Land served two terms on the IEEE Board of Directors, representing IEEE CS members as Division VIII Director (2011–2012) and Division V Director (2014–2015). She also served two terms as a member of the IEEE-USA Board of Directors (2013, 2016).

MARK WEISS TO RECEIVE THE IEEE COMPUTER SOCIETY 2017 TAYLOR L. BOOTH AWARD

Mark Allen Weiss, Eminent Scholar Chair Professor and associate director for academic affairs in the School of Computing and Information Sciences at Florida International University (FIU), has been named the 2017 recipient of the IEEE Computer Society Taylor L. Booth Education Award. He is recognized for his “outstanding books, contributions to the Advanced Placement program, and their impact in the teaching of data structures and programming.” The award will be presented at a dinner and ceremony to be held on 14 June 2017 in Phoenix, Arizona.
Weiss is best known for being the sole author of nine textbooks. His first text, *Data Structures and Algorithm Analysis*, published in 1991, along with subsequent versions in C, Ada, C++, and Java, have been market leaders for two decades. Weiss served on the ad hoc committee that advised the College Board on how to incorporate C++ into the Advanced Placement (AP) exam. He then served as a member of the College Board’s AP Computer Science Development Committee, including a four-year term as chair, while it redesigned the AP curriculum twice, first from Pascal to C++, and then from C++ to Java.

In recent years, Weiss’s leadership has helped secure over $10 million dollars of state funding for FIU’s information technology–related programs, including a multi-institutional Florida Board of Governors CSIT TEAM grant that has been instrumental in improving student outcomes at three of the state’s large metropolitan universities: FIU, University of Central Florida, and University of South Florida. He currently serves as lead principal investigator on a 5-year, $5 million NSF grant investigating the effect of awarding “completion scholarships” at the above universities; this work will also include a longitudinal study on the effect of interventions in CS education.

Weiss received a PhD in computer science from Princeton University. He is a Senior Member of IEEE, an ACM Distinguished Educator, and a Fellow of the American Association for the Advancement of Science (AAAS). He is the recipient of the 2015 SIGCSE Award for Outstanding Contribution to Computer Science Education, and the 2017 IEEE Region 3 Professional Leadership Award.

The Taylor L. Booth Education Award commemorates outstanding records in computer science and engineering education. Accompanied by a bronze medal and $5,000 honorarium, the award recognizes achievement as a teacher of renown in a relevant and applicable course; writing an influential text; leading, inspiring, or providing significant educational content during the creation of a curriculum in the field; and inspiring others to a career in computer science and engineering education.

The award is named after Taylor L. Booth, a professor of computer science and engineering at the University of Connecticut who was instrumental in defining computer science and engineering curricula for program accreditation. His name was on the ballot as a candidate for president-elect of the Society when he died of a heart attack in 1986. Further information about the award, including a list of past recipients, can be found at www.computer.org/web/awards/booth.

**SVEN KOENIG TO RECEIVE THE 2017 IEEE COMPUTER SOCIETY COMPUTER SCIENCE AND ENGINEERING UNDERGRADUATE TEACHING AWARD**

Sven Koenig, professor of computer science at the University of Southern California (USC), was selected to receive the 2017 IEEE Computer Society Computer Science and Engineering Undergraduate Teaching Award. The awards committee recognizes Koenig for “his commitment to engaging students through project-based learning and mentoring that cultivates a passion for artificial intelligence.”

His research is primarily centered around techniques for decision making that enable single situated agents (such as robots or decision-support systems) and teams of agents to act intelligently in their environments. Koenig also served as program director at NSF, where one of his responsibilities was to help manage the Research Experiences for Undergraduates Sites program.

Koenig is a Senior Member of IEEE and a Fellow of the Association for the Advancement of Artificial Intelligence (AAAI). He is chair of the ACM Special Interest Group on Artificial Intelligence, an editor of *Artificial Intelligence Magazine* and *Communications of the ACM*, and an associate editor of *Artificial Intelligence*, *Autonomous Agents and Multi-Agent Systems* and *Advances in Complex Systems*. Koenig was also a councilor of AAAI, a member of the advisory board of the *Journal of Artificial Intelligence Research*, and an associate editor of *Computational Intelligence*.

A repeat judge at the Intel International Science and Engineering Fair, Koenig co-organized many USC programming contests, and he has developed several open source project texts that teach concepts from AI with video games. His “Programming Pinball Machines” project developed hardware and software that let undergraduate students program games on an actual pinball machine.

The IEEE Computer Society Computer Science and Engineering Undergraduate Teaching Award is given in recognition of outstanding contributions to undergraduate education through both teaching and service. The award consists of a plaque, a certificate, and a $2,000 honorarium, and it will be presented at a dinner and ceremony on 14 June 2017 in Phoenix, Arizona. Additional information about the award, including a list of past recipients, can be found at www.computer.org/web/awards/cse-undergrad-teaching.