Computer Society Awards Recognize Excellence

Recently, seven top professionals were honored with IEEE Computer Society technical awards. Computer Society awards recognize both technical achievement and service to the Society and the profession. In the technical area, awards honor pioneering and significant contributions to the field of computer science and engineering. Service awards honor well-defined and highly valued contributions to the Society by both volunteers and staff. The Society takes care to ensure that the evaluation and selection process is both open and rigorous, and that it contributes to the prestige of the Society, the profession, and the award recipients.

Emer Receives 2009 IEEE/ACM Eckert-Mauchly Award

Joel Emer, director of microarchitecture research at Intel, recently received the 2009 IEEE/ACM Eckert-Mauchly Award. Emer developed key quantitative methods that include the measurement of real machines, analytical modeling, and simulation techniques that are now widely employed to evaluate the performance of complex computer processors. Prior to joining Intel, Emer was a Compaq Fellow and director of Alpha architecture research, where he led investigations into future processors for Compaq’s family of 64-bit servers.

Emer’s citation reads, “For pioneering contributions to performance analysis and modeling methodologies; for design innovations in several significant industry microprocessors; and for deftly bridging research and development, academia and industry.”

The Eckert-Mauchly Award recognizes outstanding contributions to the field of computer and digital systems architecture. Winners receive a formal certificate and a $5,000 honorarium.

For more information on any topic presented in Computer, visit the IEEE Computer Society Digital Library at www.computer.org/csdl
**Palem Receives 2008 W. Wallace McDowell Award**

Krishna Palem, a professor of computer science at Rice University, recently received the IEEE Computer Society W. Wallace McDowell Award. His research interests focus on all aspects of embedded computing, including adaptive architectures and computing, algorithms, compiler optimizations, embedded systems, low-energy computing, and nanoelectronics. Palem is the founding director of the VISEN center at Rice and has served as the founding director of the Center for Research in Embedded Systems and Technology (www.crest.gatech.edu) at the Georgia Institute of Technology since 1999. He is a fellow of the ACM and the IEEE.

Palem’s citation reads, “For pioneering contributions to the algorithmic, compilation, and architectural foundations of embedded computing.”

The W. Wallace McDowell Award recognizes outstanding recent theoretical, design, educational, practical, or other similar innovative contributions that fall within the scope of Computer Society interest. Winners receive a bronze medal and a $2,000 honorarium.

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**Agrawal Receives 2008 Harry H. Goode Award**

Dharma P. Agrawal, professor of computer science at the University of Cincinnati, recently received the IEEE Computer Society Harry H. Goode Memorial Award. Agrawal has served as a consultant to the General Dynamics Land Systems Division, Battelle, and the US Army. He has held visiting appointments at AIRMICS and the AT&T Advanced Communications Laboratory. His research interests include resource allocation and security in mesh networks, efficient query processing and security in sensor networks, and heterogeneous wireless networks.

Agrawal’s citation reads, “For outstanding contributions and leadership in wireless and mobile systems, including ad-hoc, sensor, and mesh networks.”

The Goode Award recognizes achievements in the information processing field that are considered either a single contribution of theory, design, or technique of outstanding significance, or the accumulation of important contributions on theory or practice over an extended time period, the total of which represent an outstanding contribution. Winners receive a bronze medal and a $2,000 honorarium.

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**Bay, Das, Finin, and Ferrari Receive Technical Achievement Award**

John S. Bay of the Air Force Research Laboratory; Sajal K. Das of the University of Texas at Arlington; Timothy W. Finin of the University of Maryland, Baltimore County; and Elena Ferrari of the University of Insubria, Italy, each received the 2009 IEEE Computer Society Technical Achievement Award.

**JOHN S. BAY**

John Bay is currently the chief scientist of the Air Force Research Laboratory Information Directorate in Rome, New York, where research focuses on information systems science and technology and its transition to air, space, cyberspace, and ground systems. Prior to joining AFRL, Bay was a program manager in the Information Exploitation Office of the Defense Advanced Research Projects Agency.

Bay’s citation reads, “For pio-
neering contributions to Embedded Systems.”

SAJAL K. DAS

Sajal Das is a professor of computer science and engineering and the founding director of the Center for Research in Wireless Mobility and Networking at the University of Texas at Arlington. Das is currently a program director at the National Science Foundation. His current research interests include wireless and sensor networks, mobile and ubiquitous computing, biological networks, and applied game theory. He has published two books, five patents, 35 book chapters, and 411 articles.

Das’s citation reads, “For pioneering contributions to Sensor Networks.”

TIMOTHY W. FININ

Timothy Finin is a professor of computer science and electrical engineering at the University of Maryland, Baltimore County. Finin has more than 30 years of experience in applications of artificial intelligence to problems in information systems and intelligent interfaces. His current research focuses on the Semantic Web and analyzing and extracting information from online social media systems.

Finin’s citation reads, “For pioneering contributions to Distributed Intelligence Systems.”

ELENA FERRARI

Elena Ferrari is a professor of computer science at the University of Insubria, Italy, where she heads the Database & Web Security Group. Ferrari has published more than 130 scientific articles on data management systems, including Web security, access control and privacy, multimedia databases, and temporal databases. She serves on the editorial boards of the VLDB Journal, Transactions on Data Privacy, and the International Journal of Information Technology.

Ferrari’s citation reads, “For pioneering contributions to Secure Data Management.”

The IEEE Computer Society Technical Achievement Award recognizes outstanding and innovative contributions to the fields of computer and information science and engineering or computer technology, usually within the past 10, and not more than, 15 years. Winners receive a certificate and a $2,000 honorarium.