

Association for Computing Machinery Taps 20 Distinguished Members for Achievements in Computing; Recipients Contributions Solve Problems That Benefit People Throughout The World

NEW YORK, Dec. 6 (AScribe Newswire) -- ACM (the Association for Computing Machinery) has named 20 of its members as recipients of a recently created recognition program for their contributions to both the practical and theoretical aspects of computing and information technology. The new ACM Distinguished Members include computer scientists and engineers from some of the world's leading corporations, research labs, and universities who made significant advances in technology that are having lasting impacts on the lives of people across the globe.

"These prominent scientists and engineers have contributed breakthroughs in computing that drive the technologies which benefit our world," said Stuart Feldman, president of ACM. "Their computing innovations address problems in virtually every industry, and make possible advances in communications, healthcare, finance, entertainment, environmental control, computer security, and many other real life applications. We are proud to recognize these dedicated men and women and to raise their profile in the computing community."

Twelve of the 2007 recipients conduct research at universities in a wide range of computing disciplines. Their multi-faceted work has resulted in a variety of innovations, including software engineering for online information, computer-aided design for embedded processors, verification of software systems, human-computer interaction in digital libraries, data file and storage systems, computational theory, wireless networking, real-time mission critical computing, recommender systems to filter content or social environment factors, and intelligent control and management for smart consumer electronics.

Within the corporate sector, eight recipients were recognized for their contributions to computing. These achievements include advances in analysis and programming techniques for high performance computing, advanced file systems for storing and organizing data, programming language techniques for data mining, user interface visualization technology, Java programming techniques for Just-In-Time compilers, and semiconductor architecture for design automation.

The following ACM Members have been recognized as 2007 ACM Distinguished Engineers:

Andrea L. Ames, IBM

John R. Douceur, Microsoft Research

Richard Furuta, Texas A&M University

Greg Ganger, Carnegie Mellon University

Toshio Nakatani, IBM Research Tokyo

Raj Rajkumar, Carnegie Mellon University

Stephen M. Trimberger, Xilinx, Inc.

The following ACM Members have been recognized as 2007 Distinguished Scientists:

Michael G. Burke, IBM Research

Siddhartha Chatterjee, IBM Research

Nikil Dutt, University of California Irvine

Matthew B. Dwyer, University of Nebraska Lincoln

Kathleen Fisher, AT&T Labs

Jennifer C. Hou, University of Illinois Urbana-Champaign

Lane A. Hemaspaandra, University of Rochester

David J. Kasik, Boeing Company

John Riedl, University of Minnesota

Mary Beth Rosson, Pennsylvania State University

Michael S. Schlansker, Hewlett Packard

Subhash Suri; University of California, Santa Barbara

Fei-Yue Wang; Chinese Academy of Sciences, University of Arizona

For more information about the selection criteria and a complete list of 2007 Distinguished Members and their citation, visit <http://distinguished.acm.org>.

About ACM

ACM, the Association for Computing Machinery (<http://www.acm.org/>), is an educational and scientific society uniting the world's computing educators, researchers and professionals to inspire dialogue, share resources and address the field's challenges. ACM strengthens the profession's collective voice through strong leadership, promotion of the highest standards, and recognition of technical excellence. ACM supports the professional growth of its members by providing opportunities for life-long learning, career development, and professional networking.

About the ACM Recognition Program

The ACM Fellows program, initiated in 1993, celebrates the exceptional contributions of the leading members in the computing field. These individuals have helped to enlighten researchers, developers, practitioners and end-users of information technology throughout the world. The ACM Distinguished Engineer, Scientist, and Membership Program, initiated in 2006, recognizes those members with at least 15 years of professional experience who have made significant accomplishments or achieved a significant impact on the computing field. The ACM Senior Member program, also initiated in 2006, includes members with at least 10 years of professional experience who have demonstrated performance that sets them apart from their peers through technical leadership, technical contributions and professional contributions. The new ACM Fellows, Distinguished Engineers, Scientists, and Members, and Senior Members join a distinguished list of colleagues to whom ACM and its members look for guidance and leadership in computing and information technology.