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The Association for Computing Machinery
Advancing Computing as a Science & Profession

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ACM NAMES DISTINGUISHED MEMBERS FOR COMPUTING INNOVATIONS THAT ADVANCE HUMAN PROGRESS

2011 Recipients Hail from Leading International Universities and Industries

NEW YORK, NY, December 15, 2011 -- ACM (the Association for Computing Machinery) **www.acm.org** has named 54 of its members as Distinguished Members for their individual contributions to computing, which are driving innovation and enabling economic competitiveness. This year's Distinguished Members include computer scientists, educatiors, and engineers from leading academic and corporate institutions across countries and continents. They hail from universities in Australia, China, Greece, Finland, Germany, Italy, Taiwan, and the United Kingdom in addition to North America. The new Distinguished Members were recognized for significant advances in computing technology that have dramatically influenced progress on a range of human endeavors.

"This year's Distinguished Members reflect ACM's continuing commitment to recognizing excellence throughout the computing world," said Alain Chesnais, president of ACM. "These prominent men and women reflect the global nature of advances in technology that drive education and innovation in the digital information age. Their achievements provide the foundation for groundbreaking developments that sustain competitiveness in a global economy. We celebrate their entrepreneurial and creative spirit and their service to the computing community."

The ACM Distinguished Member program can recognize the top 10 percent of ACM worldwide membership based on professional experience as well as significant achievements in the computing field. ACM's current worldwide membership exceeds 100,000.

Some 90 percent of the 2011 recipients are from leading research and academic institutions around the world. They were recognized for achievements in wireless networking, computer vision, mobile computing, disaster information management, content-based image retrieval, artificial intelligence in machine learning, secure data management, biometric recognition, computing curricula, aspect-oriented programming, high-performance computing, multimedia systems for health care applications, and energy efficient systems, among others.

Among representatives from renowned global businesses and industries, recipients were recognized for achievements in programming languages and software engineering, mobile networking, sensing and energy research, enterprise social computing, information integration and data warehousing, scalability of network protocols via smart resource usage, and novel technologies that support disabled people.

For more information about the selection criteria and the 2011 Distinguished Members, click on http://distinguished.acm.org.

The following ACM Member has been recognized as a 2011 **Distinguished Engineer** (1):
Aaron Marcus, *Aaron Marcus and Associates*

The following ACM Members have been recognized as 2011 **Distinguished Educators** (4):

John Impagliazzo
Hofstra University

Richard E. Pattis
University of California, Irvine

Michael Kölling
University of Kent (UK)

Mark Allen Weiss
Florida International University

The following ACM Members have been recognized as 2011 **Distinguished Scientists** (49):

Krste Asanović
University of California, Berkeley

Marie desJardins
University of Maryland, Baltimore County

Benjamin B. Bederson
University of Maryland

Martin Dietzfelbinger
Technische Universität Ilmenau (Germany)

Elizabeth M. Belding
University of California, Santa Barbara

Elena Ferrari
University of Insubria (Italy)

Ricardo Bianchini
Rutgers University

Stephen J. Fink
IBM T.J. Watson Research Center

Stephen M. Blackburn
The Australian National University

Patrick J. Flynn
University of Notre Dame

Aaron F. Bobick
Georgia Institute of Technology

Armando Fox
University of California, Berkeley

Upen Sharma Chakravarthy
University of Texas at Arlington

Minos Garofalakis
Technical University of Crete (Greece)

Satish Chandra
IBM Research

Michael Gleicher
University of Wisconsin - Madison

Jyh-Cheng Chen
National Chiao Tung University (Taiwan)

Amarnath Gupta
University of California, San Diego

Shu-Ching Chen
Florida International University

Clare-Marie Karat
Karat Consulting Group

Ingemar J. Cox
University College London

Tamara G. Kolda
Sandia National Laboratories

Dilma M. Da Silva
IBM T.J. Watson Research Center

Kang-Won Lee
IBM T.J. Watson Research Center

Sung-Ju Lee
Hewlett Packard Labs

Chih-Jen Lin
National Taiwan University

Jie Liu
Microsoft Research

Cristina Videira Lopes
University of California, Irvine

Diana Marculescu
Carnegie Mellon University

Igor L. Markov
University of Michigan

Michael Mascagni
Florida State University

David R. Millen
IBM T.J. Watson Research Center

Mukesh K. Mohania
IBM India

Frank Mueller
North Carolina State University

Robert L. Nord
Carnegie Mellon University, Software Engineering Institute

Jignesh M. Patel
University of Wisconsin - Madison

Li-Shiuan Peh
Massachusetts Institute of Technology

Balakrishnan Prabhakaran
University of Texas at Dallas

Parthasarathy Ranganathan
Hewlett Packard Labs

David F. Redmiles
University of California, Irvine

Kari-Jouko Räihä
University of Tampere (Finland)

Puneet Sharma
Hewlett Packard Labs

John T. Stasko
Georgia Institute of Technology

Shari Trewin
IBM T.J. Watson Research Center

Laurie Williams
North Carolina State University

Robert W. Wisniewski
IBM T.J. Watson Research Center

Qiang Yang
Hong Kong University of Science and Technology (China)

Yuanyuan Zhou
University of California, San Diego

Benjamin G. Zorn
Microsoft Research

About ACM
ACM, the Association for Computing Machinery **www.acm.org**, is the world's largest educational and scientific computing society, uniting computing educators, researchers and professionals to inspire dialogue, share resources and address the field's challenges. ACM strengthens the computing 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 Member 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 Members, and Senior Members join a list of eminent colleagues to whom ACM and its members look for guidance and leadership in computing and information technology.

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