

Leah H. Jamieson

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Leah H. Jamieson is John A. Edwardson Dean of the College of Engineering at Purdue University, Ransburg Distinguished Professor of Electrical and Computer Engineering, and holds a courtesy faculty appointment in Purdue's School of Engineering Education. She served as 2007 President and CEO of the IEEE. She is co-founder and past director of the EPICS – Engineering Projects in Community Service – Program and a member of the U.S. National Academy of Engineering (NAE).

Jamieson has been recognized for her achievements in research, service, and education. Her research has focused on speech analysis and recognition; the design and analysis of parallel processing algorithms; and the application of parallel processing to digital speech, image, and signal processing. She was elected a Fellow of the IEEE for her research on parallel processing algorithms and was elected to the NAE “for innovations in integrating engineering education and community service.” She was an inaugural recipient of the National Science Foundation Director's Award for Distinguished Teaching Scholars and has been recognized with the IEEE Education Society's 2000 Harriet B. Rigas “Outstanding Woman Engineering Educator” Award, the Anita Borg Institute's 2007 “Women of Vision Award for Social Impact,” and was named 2002 Indiana Professor of the Year by the Carnegie Foundation. Jamieson and colleagues Edward Coyle and William Oakes were awarded the 2005 NAE Bernard M. Gordon Prize for Innovation in Engineering and Technology Education for the creation and dissemination of EPICS.

An active volunteer in the 385,000-member IEEE, Jamieson served as 2007 President and CEO, leading initiatives in strategic planning and public visibility for the engineering profession. She is past president of the IEEE Signal Processing Society, was 2003 IEEE Vice-President for Technical Activities, 2005 IEEE Vice-President for Publication Services and Products, chaired IEEE's New Technology Directions Committee, and served as a member of the IEEE Board of Directors and Executive Committee. She was founding co-chair of IEEE's Committee on Public Visibility. A spokesperson for IEEE on issues related to technology, education, and innovation, she has participated in national and global forums, including Fortune's Brainstorm Tech conference and Fox Business News. Jamieson was awarded an IEEE Third Millennium Medal and the IEEE Signal Processing Society's 2003 Meritorious Service Award.

Jamieson has authored over 160 journal and conference papers and has co-edited books on *Algorithmically Specialized Parallel Computers* (Academic Press, 1985) and *The Characteristics of Parallel Algorithms* (M.I.T. Press, 1987). She has served on editorial boards for the *IEEE Transactions on Acoustics, Speech, and Signal Processing*, the *IEEE Transactions on Parallel and Distributed Systems*, the *Proceedings of the IEEE*, and on the advisory board for the *Journal of Engineering Education*.

Jamieson's professional service has included terms on the Advisory Committee for the NSF Directorate for Computer and Information Science and Engineering, the Board of Directors of the Computing Research Association, and the Board of Trustees of the Anita Borg Institute for Women and Technology. She is a member of the NAE's Committee on Engineering Education, served on the steering committee for the NAE report *Changing the Conversation: Developing Effective Messages for Improving Public Understanding of Engineering* (2008), and is co-chair of the American Society for Engineering Education project *Creating a Culture for Scholarly and Systematic Innovation in Engineering Education* (2008-10). She has served on the Advisory Councils for the Department of Electrical Engineering and the Keller Center for Innovation in Engineering Education at Princeton University, Northwestern University's Department of Electrical and Computer Engineering, Clemson's College of Engineering and Science, and Rice University's Center for Engineering Leadership.

Jamieson has an S.B. in Mathematics from M.I.T. and a Ph.D. in Electrical Engineering and Computer Science from Princeton University. She joined the faculty of Purdue in 1976.