

**Leah H. Jamieson**  
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Leah H. Jamieson is Ransburg Distinguished Professor of Electrical and Computer Engineering at Purdue University, John A. Edwardson Dean Emerita of the College of Engineering, and holds a courtesy appointment in Purdue's School of Engineering Education. She served as 2007 President and CEO of the IEEE and 2012-16 President of the IEEE Foundation. She is co-founder and past director of the EPICS – Engineering Projects in Community Service – Program.

Jamieson has been recognized for her achievements in education, research, and service. She was elected to the US National Academy of Engineering “for innovations in integrating engineering education and community service,” is a member of the American Academy of Arts & Sciences, was elected Fellow of the IEEE for her research on parallel processing algorithms, and is a Fellow of the American Society for Engineering Education (ASEE), an Eminent Member of IEEE-Eta Kappa Nu, an Honorary Member of Tau Beta Pi, and a member of Sigma Xi. With colleagues Edward Coyle and William Oakes, she was awarded the NAE's 2005 Bernard M. Gordon Prize for Innovation in Engineering and Technology Education for the creation and dissemination of EPICS. She was an inaugural recipient of the NSF Director's Award for Distinguished Teaching Scholars and has been recognized with ASEE's Chester F. Carlson Award for Innovation in Engineering Education (with Edward J. Coyle), the IEEE James H. Mulligan, Jr. Education Medal (IEEE's highest recognition in engineering education), the IEEE Education Society's Harriet B. Rigas Outstanding Woman Engineering Educator Award, the Anita Borg Institute's Women of Vision Award for Social Impact, the National Association of Multicultural Engineering Program Advocates (NAMEPA) Dean of Engineering Champion Award, and the Simon Bolivar medal from the National Ministry of Education of Colombia. She was the inaugural recipient of the Rochester Institute of Technology's Kate Gleason Medal for Leadership in Engineering Education and was named 2002 Indiana Professor of the Year by the Carnegie Foundation. In recognition of her leadership, the Directorship of Purdue's Women in Engineering Program was named in her honor upon completion of her term as Dean.

Jamieson's 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 has authored over 200 journal papers, conference papers, and book chapters and has co-edited books on *Algorithmically Specialized Parallel Computers* (Academic Press, 1985) and *The Characteristics of Parallel Algorithms* (MIT 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 of the *Journal of Engineering Education*. She currently serves on the Editorial Advisory Board of *IEEE Spectrum*.

Jamieson served as 2007 President and CEO of the 400,000-member IEEE, leading initiatives in strategic planning and public visibility for the engineering profession. She was 1998-99 President of the IEEE Signal Processing Society, 2003 IEEE Vice-President for Technical Activities, 2005 IEEE Vice-President for Publication Services and Products, and 2010-11 chair of strategic planning for the IEEE Educational Activities Board. Jamieson was founding chair of IEEE's Committee on Public Visibility, which launched IEEE's initiatives to increase the public's awareness of IEEE and of the role of technology in society; and chair of IEEE's New Technology Directions Committee, where she helped design and launch a framework to accelerate IEEE's entry into emerging technologies that cross disciplines and societies. From 2012-16 she served as President of the IEEE Foundation, the philanthropic partner of the IEEE, where she laid the groundwork for the Foundation's first capital campaign. Jamieson was awarded an IEEE Third Millennium Medal, the IEEE Signal Processing Society's 2003 Meritorious Service Award, and the IEEE Richard M. Emberson Award for contributions to IEEE's Technical Activities.

Jamieson served on the steering committees for the NAE report *Changing the Conversation: Developing Effective Messages for Improving Public Understanding of Engineering* (2008), the NRC report *Barriers and Opportunities for 2-Year and 4-Year STEM Degrees: Systemic Change to Support Students' Diverse Pathways* (2016), and the NASEM report *Cultivating Interest and Competencies in Computing: Authentic Experiences and Design Factors* (2021). She chaired the steering committee for the NSF-funded NAE workshop report *Engineering Societies and Engineering Education* and currently serves on steering committee for the NASEM report *The Impact of COVID-19 on the Careers of Women in Academic Sciences, Engineering, and Medicine* (2021). She was co-chair, with Jack Lohmann, of the ASEE project *Innovation with Impact: Creating a Culture for Scholarly and Systematic Innovation in Engineering Education* (2012), and a member of the planning committee for the American Academy of Arts & Sciences report *Advancing Research in Science and Engineering (ARISE-II): Unleashing America's Research & Innovation Enterprise* (2013). She has served on the Advisory Committee for NSF's Directorate for Computer and Information Science and Engineering (CISE) and is currently co-chair of the Advisory Committee for NSF's Directorate for Engineering.

An advocate and activist promoting the success of women in engineering and computer science, Jamieson has served as co-chair of the Computing Research Association (CRA) Committee on the Status of Women in Computing Research and is past chair of the Board of Trustees of the Anita Borg Institute.

Jamieson has an SB in Mathematics from MIT, a PhD in Electrical Engineering and Computer Science from Princeton University, and has been awarded honorary doctorates by Drexel University and the New Jersey Institute of Technology. She joined the Purdue faculty in 1976.