

## **Biography of Tsu-Jae King Liu**

Tsu-Jae King Liu was born in Ithaca, NY in 1963 and raised in the San Francisco Bay Area. She earned her B.S., M.S. and Ph.D. degrees in electrical engineering (EE) from Stanford University. In 1992 she joined the research staff at the Xerox Palo Alto Research Center, where she worked on thin-film transistor technology for large-area electronics applications. In 1996 she joined the faculty of the Department of Electrical Engineering and Computer Sciences (EECS) at the University of California, Berkeley, where she has taught and conducted research on semiconductor logic and memory devices and technology, and has held a number of administrative leadership positions. She began her tenure as Dean of the College of Engineering in July 2018.

Liu has authored or co-authored over 550 publications and holds close to 100 patents. She is a fellow of the Institute of Electrical and Electronics Engineers (IEEE), an elected member of the U.S. National Academy of Engineering, a fellow of the National Academy of Inventors, and a member of the Board of Directors for Intel Corporation and for MaxLinear, Inc. Her awards and honors include the Intel Outstanding Researcher in Nanotechnology Award, Semiconductor Research Corporation Aristotle Award, IEEE Electron Devices Society Education Award, and the Defense Advanced Research Projects Agency (DARPA) Significant Technical Achievement Award for her role in the development of the FinFET, an advanced transistor design used in all leading-edge computer chips today.

In addition to excelling in research, Liu has demonstrated a strong commitment to enhancing the educational experience of students. As department chair she oversaw major renovations to electronics design and computing labs to create a vibrant and collaborative learning environment for undergraduate students. As dean she has bolstered programs to support the academic success and well-being of both undergraduate and graduate engineering students. Throughout her career she has actively engaged in efforts to diversify the K-12 pipeline to engineering degree programs, to support the success of women and students from underrepresented minority groups and first-generation college students, and to increase the diversity of engineering graduate students and faculty. She strives to cultivate a more inclusive engineering culture that values and leverages diversity to unlock individual and collective potential. Her dedication to excellence in education earned Liu the EE Division Outstanding Teaching Award, UC Berkeley Distinguished Faculty Mentoring Award and the Semiconductor Research Corporation Aristotle Award.