

## William A. Curtin Jr.: Biographical Sketch

Professor Curtin earned a 4 yr. ScB/ScM degree in Physics from Brown University in 1981 and a PhD in theoretical physics from Cornell University in 1986. He then worked at British Petroleum and Virginia Tech, and in 1998 returned to Brown as Full Professor in the Solid Mechanics group, where he was appointed Elisha Benjamin Andrews Professor in 2006. He joined EPFL as the Director of the Institute of Mechanical Engineering in 2011 and as Full Professor in 2012. His research successes include predictive theories of optical properties of nanoparticles, statistical mechanics of freezing, hydrogen storage in amorphous metals, strength and toughness of fiber composites, dynamic strain aging and ductility in metals, solute strengthening of metal alloys, and hydrogen embrittlement of metals, along with innovative multiscale modeling methods to tackle many of these problems. Professor Curtin was a Guggenheim Fellow in 2005, has published over 200 technical papers that have received over 6000 citations, and has been the Principal Investigator on over \$35M of funded research.