Aude Billard is Professor of Micro and Mechanical Engineering, and the head of the LASA Laboratory at the School of Engineering at the Swiss Federal Institute of Technology in Lausanne. She received an M.Sc. in Physics from EPFL (1995), an M.Sc. in Knowledge-based Systems (1996) and a Ph.D. in Artificial Intelligence (1998) from the University of Edinburgh. She was the recipient of the Intel Corporation Teaching award, the Swiss National Science Foundation career award in 2002, the Outstanding Young Person in Science and Innovation from the Swiss Chamber of Commerce and the IEEE-RAS Best Reviewer award in 2012. Aude Billard served as an elected member of the Administrative Committee of the IEEE Robotics and Automation society (RAS) for two terms (2006–2008 and 2009–2011) and is the chair of the IEEE-RAS Technical Committee on Humanoid Robotics. Her research interests focus on machine learning tools to support robot learning through human guidance. This extends also to research on complementary topics, including machine vision and its use in human—robot interaction and computational neuroscience to develop models of motor learning in humans.