

Biography of Lars Samuelson

Lars Samuelson got his PhD in Physics in 1977 in the field of experimental and theoretical studies of electron-phonon coupling for deep levels in semiconductors, followed by a post-doc at IBM San José Research Centre 1978-1979 working in the area of display technology and band-structure calculations. In 1981 he became Docent in Physics at Lund University and in 1986 full Professor in Semiconductor Physics at Chalmers/Göteborg University. In 1988 he returned to a Professorship in Semiconductor Electronics at the Physics Department at Lund University, at the time when he initiated the interdisciplinary research centre the Nanometer Structure Consortium, later named NanoLund, today engaging more than 300 scientists. He has during sabbatical leaves been Professor at RIKEN Institute, Japan (1995), at University of California, Santa Barbara (1991), at the Catholic University (PUC) in Rio de Janeiro (1991), and acted as (part time) Vice-director in the development of the Microelectronic Center (MIC) at the Danish Technical University (2003-2005). He has produced about 50 PhDs as primary supervisor and about the same number as supporting supervisor. He is Fellow of the Inst. of Physics, FInstP, and of the American Physical Society (Materials Physics), Member of the Royal Swedish Academy of Sciences (Physics class) and of the Royal Swedish Academy of Engineering Sciences. In 2008 he was appointed "Einstein Professor" by the Chinese Academy of Sciences, in 2013 he was awarded the IUVSTA Prize for Science for the Triennium 2010-2013 and in 2014, the Fred Kavli Distinguished Lectureship in Nanoscience and in 2018 the Wilhelm Westerup Prize for fundamental materials science leading to the creation of commercial value. Lars Samuelson is the Founder and Chief Scientist of four start-up companies engaged in commercialization of the nanowire technology, in QuNano AB, GLO AB, Sol Voltaics AB and Hexagem AB. Samuelson is the author of well over 600 articles (h-index 84, Web-of- Science, listed in the top 1% highly cited researchers by Web-of-Science), and has given >300 plenary/invited talks at international conferences and workshops.