



Reiner Hartenstein is full professor (CS) at TU Kaiserslautern and was visiting professor at UC Berkeley. Being a scholar of Karl Steinbuch all his degrees are from the Karlsruhe Institute of Technology. He is a consultant, authorized expert and referee and is credited to be the father of High Performance Reconfigurable Computing (HPRC). He is author of the hardware language KARL having been used worldwide in the 80ies. KARL was the core of the EU-funded (85 million ECU) world's first VLSI CAD framework and trailblazer for VHDL and Verilog. He is founder of 3, and a cofounder of 2 more international conference series. He is the founder of the BRD-funded (38 million Deutschmark) German contribution (the first on the Eurasian continent) to the Mead-&Conway VLSI design revolution: the German Multi University VLSI Design Project called "E.I.S. Projekt." Reiner Hartenstein is IEEE fellow, SDPS fellow, FPL fellow, and recipient of several other awards. He has published 14 books and more than 400 technical papers and has given more than 200 invited talks and more than 30 keynotes.



Rico Malvar is a Microsoft Distinguished Engineer and the Chief Scientist for Microsoft Research (MSR). He holds a Ph.D. from M.I.T. in Electrical Engineering and Computer Science. Before joining Microsoft in 1997, he was a Vice President of Research and Advanced Development at PictureTel, and prior to that he was with the faculty of University of Brasilia. At MSR he leads strategic projects across the worldwide labs; previously he was the Managing Director for the MSR Lab in Redmond, WA, where he oversaw over 300 researchers and engineers working in many areas related to computers science. His technical interests include multimedia signal compression and enhancement, fast algorithms, multi-rate filter banks, and multi-resolution and wavelet transforms. He has over 150 publications and over 100 issued patents in those areas. He contributed to the design of well-known media formats, such as WMA, G.722.1, and H.264, and is the main architect of JPEG XR. He has contributed to Microsoft products such as Windows, Office, Bing, Hyper-V, Xbox, Kinect, and others. Dr. Malvar is a Fellow of the IEEE. He received the Young Scientist Award from the Marconi International Fellowship in 1981, the Technical Achievement Award from the IEEE Signal Processing Society in 2002, and the Wavelet Pioneer Award from the SPIE in 2004.



Luiz Davidovich was born in Rio de Janeiro, Brazil, in 1946. He obtained his Ph. D. at the University of Rochester, USA, in 1975, and is now a Full Professor at the Federal University of Rio de Janeiro. He has worked in the areas of quantum optics, quantum information, and foundations of quantum mechanics, and has supervised 18 Ph. D. and 14 M. Sc. theses. He was awarded the Brazilian Grand-Cross of the National Order of Scientific Merit in 2000, the 2001 Physics Prize of the Academy of Sciences for the Developing World (TWAS), the Brazilian National Prize of Science "Admiral Alvaro Alberto" in 2010, and elected foreign associate to the National Academy of Sciences of the United States of America in 2006. He is a fellow of the Optical Society of America and a member of the Executive Board of the Brazilian Academy of Sciences.