

Biography David Davidson

Prof. David B. Davidson received the B.Eng, B.Eng (Hons), and M.Eng degrees (all cum laude) from the University of Pretoria, South Africa, in 1982, 1983, and 1986 respectively, and the Ph.D. degree from the University of Stellenbosch, Stellenbosch, South Africa, in 1991.

In 1988, he joined the University of Stellenbosch. As of 2011, he holds the South African Research Chair in Electromagnetic Systems and EMI Mitigation for SKA there. He has held a number of visiting appointments, including at the University of Arizona; Cambridge University, England; Delft University of Technology, The Netherlands; and the University of Manchester, England.

His main research interest through most of his career has been computational electromagnetics (CEM), and he has published extensively on this topic. He is the author ``Computational Electromagnetics for RF and Microwave Engineering'' (Cambridge, U.K.: Cambridge Univ. Press, 1st ed, 2005, 2nd ed., 2011). Recently, he his interests have expanded to include engineering electromagnetics for radio astronomy.

Prof. Davidson is a Fellow of the IEEE, a member of the South African Institute of Electrical Engineers and the Applied Computational Electromagnetic Society. He was a recipient of the South African FRD (now NRF) President's Award in 1996. He received the Rector's Award for Excellent Research from the University of Stellenbosch in 2005. He has been actively involved with various professional activities; currently, he is the editor of the "EM Programmer's Notebook" column of the IEEE Antennas And Propagation Magazine, and served on the IEEE Antennas and Propagation AdCom ('11-'13). He was Chair of the local organizing committee of ICEAA'12-IEEE APWC-EEIS'12, held in Cape Town in September 2012 and serves on the steering committee of the conference series.