



Jacobus Daniel (Daan) van Wyk received the B.Sc. Eng. and M.Sc. Eng. degrees from the University of Pretoria, South Africa in 1961 and 1966 respectively, the Dr.Sc. Tech. degree (cum laude) from the Technical University of Eindhoven, Netherlands in 1969, a D.Sc. Eng. (honoris causa) from the University of Natal, South Africa in 1996 and a D.Eng. (honoris causa) from the University of Pretoria, South Africa in 2008.

Between 1961 and 1971 he worked with the SA Iron and Steel Corporation and was on the technical and scientific staff of the Universities of Pretoria and Eindhoven. From 1971 to 1999 he was with the Rand Afrikaans University in Johannesburg, South Africa, holding Chairs in Electronics and Power Electronics, serving as Dean of Engineering, University Vice-Rector and holding a Special University Research Chair in Industrial Electronics since 1995. At the Rand Afrikaans University in Johannesburg he built up highly successful programs in Power Electronics and Industrial Electronics, founded the Industrial Electronics Technology Research Group and served as director from 1977 to 1999. He joined the Bradley Department of Electrical and Computer Engineering at Virginia Polytechnic Institute and State University (VPISU) in 2000 and was the J. Byron Maupin Professor of Engineering until his retirement at the end of 2005. At VPISU he was a core faculty member with the National Science Foundation Engineering Research Center for Power Electronics Systems (CPES) as Leader of High Density Integration until July 2006. At present he is a Visiting Professor at the Department of Electrical and Electronic Engineering Science of the University of Johannesburg.

From 1976 to 1996 he was an Annual Visiting Professor at the Institute for Power Electronics at the Technical University of Aachen, Germany and from 1989 to 1994 also a member of the Graduate Faculty and Adjunct Professor at Texas Tech University, Lubbock, Texas. For 1999 he was appointed visiting professor at the Center for Power Electronics Systems, Virginia Polytechnic Institute and State University. For 2005, he was an Extraordinary Professor at the University of Pretoria

Prior to his recent work on power electronics integration technology at CPES, Dr. van Wyk has worked in the fields of solid state and semiconductor devices, microelectronics, electrical materials, electromechanical energy conversion, electric drives, power electronics, industrial electronics, and many diverse applications in industry, mining, transport and electrical energy supply. He is author or co-author of more than 600 publications. He is a Fellow of the Institute of Electrical and Electronics Engineers (New York) (IEEE) and received the 1995 William E. Newell Power Electronics Award from the IEEE Power Electronics Society, an IEEE Third Millennium Medal in 2000, the 2006 Distinguished Service Award from the IEEE Power Electronics Society and the 2006 Outstanding Achievement Award from the IEEE Industry Applications Society. He has held other awards from the IEEE Industry and Power Electronics Societies, the Foundation for Research Development, Pretoria, South Africa and the South African Institute of Electrical Engineers, receiving the President's Award in 1995 from the latter. He is active within the IEEE, as well as in organization of international conferences and in scientific publishing. He was Editor-in-Chief of the IEEE Transactions on Power Electronics from 2002 until June 2006.

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