Editorial

IT IS A great honor to be chosen to follow in the footsteps of the previous Editors-in-Chief of the IEEE TRANSACTIONS ON POWER ELECTRONICS as the premier international archival Journal in our field. Tom Lipo as Founding Editor, Dick Hoft as his successor and Arthur Kelley as my immediate predecessor have all labored tirelessly to build up the TRANSACTIONS to take its present eminent position. I look forward to the unique opportunity to contribute to the continuation of this process. I am particularly grateful to Arthur Kelley for building our editorial process and infrastructure to such a degree that we are now in a position to conduct the full submission and reviewing process entirely electronically. It is only by taking over all these duties from him that one realizes how much PELS, our Power Electronics Community, and this Journal is indebted to his unrelenting efforts over the last years. We all say: "Arthur, thanks very, very much!"

A Journal of this standing does not come about without the dedicated efforts of the team of Associate Editors and Reviewers. Those from the past deserve our sincere appreciation and gratitude for their dedication and efforts, while those of the future equally deserves our appreciation and unfailing support. It is these unselfish volunteers that really build this journal.

In keeping with my predecessors, my policy for the term ahead of me is very easy to summarize.

— Be responsive.
— Be fast.
— Be effective.

I therefore trust that every author will always know what the state of his paper-in-review is, that every Associate Editor will find his work in our team rewarding and that every reviewer will find his work extremely interesting. After all, we are all working with the cream of the crop in our field and this is indeed something to look forward to!

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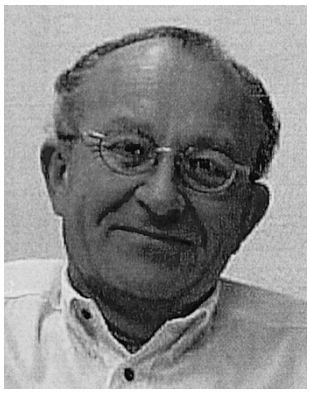

Jacobus Daniel (Daan) van Wyk (F'02) was born in South Africa in 1939. He received the M.Sc.Eng. degree from the University of Pretoria, South Africa, in 1966, the D.Tech.Sci. degree (with honors) from the University of Technology, Eindhoven, The Netherlands, in 1969, and the D.Sc. degree (with highest honors) in engineering from the University of Natal, South Africa, in 1996.

He has worked with the S.A. Iron and Steel Corporation, the University of Pretoria, and the Technical and Scientific Staff of the University in Eindhoven, from 1961 to 1971. From 1971 to 1995, he was a Chaired Professor of electrical and electronic engineering at the Rand Afrikaans University, Johannesburg, South Africa, holding the Carl and Emily Fuchs Chair in Power Electronics until 1992. In 1977, he founded the Industrial Electronics Technology Research Group, Engineering Faculty, Rand Afrikaans, serving as its Program Director until 1999. From 1995 to present, he is the Incumbent of a Special University Council Research Chair in Industrial Electronics, holding the position in a part time capacity since January 2000. He is at present the J. Byron Maupin Professor of Engineering in the Bradley Department of Electrical and Computer Engineering, Virginia Polytechnic Institute and State University, Blacksburg, and works within the National Science Foundation Engineering Research Center for Power Electronics Systems. He has been author or co-author of more than 400 journal and conference papers. In the area of power electronics he has worked and published in the fields of modeling, designing, building and testing power semiconductor devices; in electromagnetic components; in design and development of device driving circuits; in hard and soft switched converters from low power to the megawatt level; in traction and industrial drives up to the megawatt level; in microprocessor control of converters and drives, including field oriented control, fuzzy control and artificial neural networks; in utility applications of power electronics; in converters for wind and photovoltaic energy; in EMC/EMC and quality of power and in hybrid integrated power electronics, materials and packaging. His main research interest at present is the electromagnetic integration of electronic power processing systems.

Dr. van Wyk received 10 IEEE prize paper awards and was the recipient of the IEEE William E. Newell Power Electronics Award in 1995. From 1996 to 1998 he was elected a Distinguished Lecturer by the IEEE Power Electronics Society and from 1997 to 1999, he was elected a Distinguished Lecturer by the IEEE Industry Applications Society. In 2000, he was awarded an IEEE Third Millennium Medal. He was a Member of the IEEE Spectrum Editorial Board from 1996 to 1998, as well as an Associate Editor of the IEEE TRANSACTIONS ON POWER ELECTRONICS, many IEEE Committees, Conference Organizing Committees, Technical Program Committees for Conferences.