Changes to the Editorial Board

AFTER 12 long years of service to the TRANSACTIONS, Dr. Ayman Shibib is retiring from the Board. Dr. Ayman has been a tireless and devoted editor in the field of power devices and a person the Board has counted on for quite some time in guiding publication decisions dealing with this resurgent topic. He has served on the Board so faithfully that there is hardly a soul that can recall a time when he was not visible and prominent in carrying out his editorial duties. Please join me in expressing our gratitude for a tenure of persistently high energy and diligence. We wish him well in what lies ahead.

At the same time, I am pleased to announce the appointment of Dr. Mohamed Darwish, Chief Technology Officer of Max-Power Semiconductor, Inc., to the Board in the area of power devices. Dr. Darwish has been active in the field of bipolar and power devices for nearly three decades. He has experience at many different levels and is recognized by his peers as a distinguished researcher and inventor. His career history, along with several professional achievements, is detailed in the short biography that follows this editorial.

It also my pleasure to announce the appointment of Prof. Steven A. Ringel to the Board in the area of solid-state power conversion devices. Prof. Ringel is the Director of the Institute for Materials Research and a member of the Department of Electrical and Computer Engineering at Ohio State University, Columbus. He has nearly three decades of experience in the semiconductor industry, with special expertise in photovoltaic devices and materials. His numerous activities, awards, and involvement with conferences and various IEEE committees are recounted in the biography below.

I am very pleased to have these two very distinguished scholars join the Editorial Board because of the great potential these appointments bring for broadening the scope of the TRANSACTIONS and, more importantly, for raising the quality of the papers we publish. It is our singular quest. We anticipate significant contributions from these two editors in the pursuit of this quest.

DOUG VERRET, *Editor-In-Chief*
TX Houston

Mohamed Darwish received the Ph.D. degree in electrical engineering from the University of Wales, Cardiff, U.K., in 1981.

He is currently the President and Chief Technology Officer of MaxPower Semiconductor, Inc., Campbell, CA, a Silicon Valley power semiconductor technology start-up. He invented the lateral insulated gate bipolar transistor (LIGBT) during his postdoctoral work. From 1984 to 1993, he was a Member of the Technical Staff with Bell Laboratories, where he worked on the technology development and device modeling of high-voltage bipolar-CMOS-DMOS (BCDMOS) ICs and submicrometer CMOS technology. He led the development of a widely used device simulation mobility model. He later joined Siliconix, Inc., Santa Clara, CA, where he managed trench MOSFET and submicrometer BCDMOS power IC technology development. He was also the Director of Device Technology with Power Integrations, Inc., Sunnyvale, CA, where he worked on the development of high-voltage ICs for power supply applications. Subsequently, he was the Vice President of Technology with Fultec Semiconductor, where he led the development of surge protection devices. He is the author of many published papers. He is the holder of numerous issued and pending patents.

Dr. Darwish was a recipient of the Bell Laboratories Distinguished Member of Technical Staff award in 1990. He served as the Technical Program Chair for the International Symposium of Power Semiconductor Devices and ICs (ISPSD) in 2008. He also served as the Chairman of the IEEE Lehigh Valley Section and the Electron Device Chapter. He served on the technical committees of the IEEE International Electron Devices Meeting (IEDM), ISPSD, and IEEE Bipolar/BiCMOS Circuits and Technology Meeting (BCTM).

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Steven A. Ringel (M'86–SM'97) was born in New Brunswick, NJ. He received the B.S. and M.S. degrees from Pennsylvania State University, University Park, in 1984 and 1986, respectively, and the Ph.D. degree from the Georgia Institute of Technology, Atlanta, in 1991.

He is currently with Ohio State University, Columbus, where he joined as an Assistant Professor in 1991, was promoted to Associate Professor in 1997 and to Full Professor in 2000, was named as the Neal A. Smith Endowed Chair Professor of Electrical Engineering in 2004, and became the Director of the Institute for Materials Research in 2006. He is a Cofounder of 4Power LLC, a start-up company in photovoltaic technology. He is the author or a coauthor of more than 250 articles in journals and conference proceedings and has given more than 85 invited talks to date. His research efforts are currently focused on advanced compound semiconductor photovoltaics, lattice-mismatched epitaxy, III–V/Si integration, defect engineering in heterostructures, and defect characterization in a wide variety of semiconductors, particularly as applied to wide-bandgap semiconductors such as GaN-based materials and devices and generally to various metamorphic heterostructures.

Dr. Ringel is a Fellow of the American Association for the Advancement of Science and an Associate Fellow of the American Institute of Aeronautics and Astronautics. He received a National Science Foundation National Young Investigator Award in 1994 and the Ohio State University Harrison Award for Excellence in Engineering Education and Research in 1999. He is the recipient of six best paper awards. He is a member of several academic, industrial and professional society boards. He has been involved with organizing conferences for many years, including the IEEE Photovoltaic Specialists Conference, the TMS Electronic Materials Conference, and various symposia of the annual meetings of the Materials Research Society and the Electrochemical Society. He currently serves as the Chair of the IEEE Electron Devices Society (EDS) Photovoltaics Technical Committee. He was the Chair of the joint EDS and Lasers and Electro-Optics Society chapter of the Columbus IEEE section from 1992 to 2006.