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Bio – Edl Schamiloglu
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Edl Schamiloglu received the B.S. and M.S. degrees from the School of Engineering and Applied Science, Columbia University, New York, in 1979 and 1981, respectively, and the Ph.D. degree in applied physics (minor in mathematics) from Cornell University, Ithaca, NY, in 1988. He was appointed Assistant Professor of Electrical and Computer Engineering at the University of New Mexico (UNM) in 1988. He is currently Gardner-Zemke Professor of Electrical and Computer Engineering and directs the Pulsed Power, Beams, and Microwaves Laboratory at UNM. He lectured at the U.S. Particle Accelerator School, Harvard University, in 1990 and at MIT in 1997. He coedited *Advances in High Power Microwave Sources and Technologies* (Piscataway, NJ: IEEE, 2001) (with R.J. Barker) and he has coauthored *High Power Microwaves*, 2nd Ed. (Taylor & Francis, New York, NY, 2007) (with J. Benford and J. Swegle). Both of these books have been translated into Chinese. He is currently working on *Essential Mathematics for Electrical Engineering* (with Chaouki Abdallah and Antonio Tornambé, Cambridge University Press, 2011). He coedited the July 2004 Special Issue of the *Proceedings of the IEEE* on Pulsed Power Technology and Applications. He has authored or coauthored 85 refereed journal papers, 155 reviewed conference papers, and four patents. His publications have been cited over 1,800 times. He has been PI on over \$19 M of contracts and grants at the University of New Mexico. His research interests are in the physics and technology of charged particle beam generation and propagation, high-power microwave sources, plasma physics and diagnostics, electromagnetic wave propagation, pulsed power, and neurosystems engineering.

Dr. Schamiloglu received the Sandia National Laboratories Research Excellence Award as part of the Delphi/Minerva team in 1991, the UNM School of Engineering Research Excellence Award twice (junior faculty in 1992 and senior faculty in 2001), the titles of UNM Regents' Lecturer (1996) and Gardner-Zemke Professor (2000), and the Lawton-Ellis Award in 2004. He is a Fellow of the IEEE, an EMP Fellow (sponsored by the Summa Foundation), a Senior Editor of the IEEE Transactions on Plasma Science, an Associate Editor of JEMWA (J Electromagnetic Waves and Applications), and has served on a National Academies Panel on Directed Energy Testing (2003-2004). He was the General Chair of the IEEE PPS-2007 Conference in Albuquerque, NM in June 2007. He was selected as the Outstanding Engineering Educator by the IEEE Albuquerque Section in 2008. He is a recipient of a 2011 UNM Science and Technology Corporation Creativity Award.