

# **Dr. Carl E. Baum**

Carl E. Baum was born in Binghamton, NY, on 6 February 1940. He received the B.S. (with honors), M.S., and Ph.D. degrees in electrical engineering from the California Institute of Technology, Pasadena, in 1962, 1963, and 1969, respectively, and the Dr. Ing. E.h. degree (honoris causa) from the Otto von Guericke University, Magdeburg, Germany, in 2004. He was stationed at the Air Force Research Laboratory, Directed Energy Directorate (formerly Phillips Laboratory, which is formerly the Air Force Weapons Laboratory), Kirtland AFB, Albuquerque, NM, from 1963 to 1967 and from 1968 to 1971. From 1971 to 2005, he served as a civil servant with a position as Senior Scientist with the Air Force Research Laboratory. Since 2005, he has been a Distinguished Research Professor with the Department of Electrical and Computer Engineering, The University of New Mexico, Albuquerque. He is the Editor of several interagency note series on electromagnetic pulse (EMP) and related subjects. He is the Founder and President of the SUMMA Foundation which sponsors various electromagnetics-related activities, including scientific conferences, publications, short courses, fellowships, and awards. He has led EMP and HPE short courses at numerous locations around the globe. Dr. Baum is a member of Commissions A, B, and E of the U.S. National Committee of the International Union of Radio Science. He has been awarded the Air Force Research and Development Award in 1970, the AFSC Harold Brown Award in 1990, and Air Force Research Laboratory Fellow in 1996. He has received, in 1984, the Richard R. Stoddart award of the IEEE EMC Society and the John Kraus Antenna Award of the IEEE Antennas and Propagation Society, in 2006. He is the recipient of the 1987 Harry Diamond Memorial Award, which is one of the IEEE Field Awards, with citation “for outstanding contributions to the knowledge of transient phenomena in electromagnetics”, and is the recipient of the 2007 IEEE Electromagnetics Field Award, with citation “for contributions to fundamental principles and techniques in electromagnetics”.