**Professional Biography: Paul H. Siegel**

Paul H. Siegel received the S.B. and Ph.D. degrees in Mathematics from the Massachusetts Institute of Technology, Cambridge, MA, USA, in 1975 and 1979, respectively. He held a Chaim Weizmann Postdoctoral Fellowship with the Courant Institute, New York University, New York, NY, USA. He was with the IBM Research Division, San Jose, CA, USA, from 1980 to 1995. He joined the faculty at the University of California San Diego (UCSD), La Jolla, CA, USA, in 1995, where he is currently a Distinguished Professor of Electrical and Computer Engineering with the Jacobs School of Engineering. He is affiliated with the Center for Memory and Recording Research where he holds an Endowed Chair and served as Director from 2000 to 2011. His research interests include information theory, coding techniques, and machine learning, with applications to digital data storage and transmission. He is a Fellow of the IEEE and was the 2015 Padovani Lecturer of the IEEE Information Theory Society. He was elected to the National Academy of Engineering in 2008.

Prof. Siegel was a Member of the Board of Governors of the IEEE Information Theory Society from 1991 to 1996 and from 2009 to 2014. He was a co-recipient of the 1992 IEEE Information Theory Society Paper Award, the 1993 IEEE Communications Society Leonard G. Abraham Prize Paper Award, and the 2007 Best Paper Award in Signal Processing and Coding for Data Storage from the Data Storage Technical Committee of the IEEE Communications Society. He served as an Associate Editor of Coding Techniques of the IEEE Transactions on Information Theory from 1992 to 1995, and as the Editor-in-Chief from 2001 to 2004. He served as a Co-Guest Editor of the 1991 Special Issue on “Coding for Storage Devices” of the IEEE Transactions on Information Theory. He was also a Co-Guest Editor of the 2001 two-part issue on “The Turbo Principle: From Theory to Practice” and the 2016 issue on “Recent Advances in Capacity Approaching Codes” of the IEEE Journal on Selected Areas in Communications. More recently, he was Co-Lead Guest Editor of the 2023 issue on “Dimensions of Channel Coding (Special Issue in Memory of Alexander Vardy)” of the IEEE Journal on Selected Areas in Information Theory and the Lead Guest Editor of the two-part 2023 special issue on “Information Theory and Data Storage” of IEEE BITS, the Information Theory Magazine. Most recently, he was a Co-Guest Editor of the 2024 special issue on “Plenty of Room at Bottom: Ten Years of DNA-Based Data Storage” of the IEEE Transactions on Molecular, Biological, and Multi-Scale Communications.