



Edward W. Castner Jr.

Edward W. Castner, Jr., was born in 1960 in Ann Arbor, MI. He received his B.A. degree in Chemistry and Mathematics from the University of Rochester in 1982 (*cum laude*), and his M.S. and Ph.D. degrees from the University of Chicago in 1984 and 1988, respectively. Following postdoctoral work at the Rijksuniversiteit Groningen in The Netherlands during 1988–1990, he worked as a Senior Laser Scientist at the Quantronix Corporation during 1990–1991. From 1991 to 1998, he was a staff scientist in the Chemistry Department at Brookhaven National Laboratory. He joined the faculty of Rutgers University in 1998, where he is now Professor of Chemistry. He has served as an Associate Editor for *The Journal of Chemical Physics* since 2007.

Prof. Castner's research interests span a variety of topics in ionic liquids, including photo-induced reaction dynamics, and the study of the physical and chemical properties of ionic liquids using optical and NMR spectroscopy combined with synchrotron-based X-ray experiments. On occasion, the Castner group makes novel ionic liquids to study particular properties, such as cations with unique functional groups or anions that are electron-donor or electron-acceptors. Most recently, the group has begun studies of ultrathin films of ionic liquids. The Castner group enjoys U.S.-funded collaborations with Profs. D. Blank, C. Margulis, M. Maroncelli, and J. Wishart, in addition to a number of international collaborations.