



Rick Trebino was born in Boston, Massachusetts on January 18, 1954. He received his B.A. from Harvard University in 1977 and his Ph.D. degree from Stanford University in 1983. His dissertation research involved the development of a technique for the measurement of ultrafast events in the frequency domain using long-pulse lasers by creating moving gratings. He continued this research during a three-year term as a physical sciences research associate at Stanford.

In 1986, he moved to Sandia National Laboratories in Livermore, California, where he studied higher-order wave-mixing, nonlinear-optical perturbation theory using Feynman diagrams, and ultrashort-laser-pulse techniques with application to chemical dynamics measurements and combustion diagnostics. There he developed Frequency-Resolved Optical Gating (FROG), the first technique for the measurement of the intensity and phase of ultrashort laser pulses.

In 1998, he became the Georgia Research Alliance-Eminent Scholar Chair of Ultrafast Optical Physics at the Georgia Institute of Technology, where he currently studies ultrafast optics and applications.

Prof. Trebino has received several prizes, including the SPIE's Edgerton Prize, and he was an IEEE Lasers and Electro-Optics Society Distinguished Lecturer. He is a Fellow of the Optical Society of America, the American Physical Society, and the American Association for the Advancement of Science. His interests include adventure travel, archaeology, and primitive art.