

Dr. Ronald B. Standler

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Goals

1. Senior-level position in scientific or engineering research. I am particularly interested in interdisciplinary work in development and evaluation of new technology. I am seeking an environment that genuinely respects creativity, innovation, and scholarship.
2. Professor of physics, electrical engineering, computer science, law, or history.
3. Legal counsel to university in Massachusetts for academic issues — or as an Assistant Dean for Academic Integrity — ideally with a joint appointment as a professor of physics, electrical engineering, computer science, or law.

Education

- J.D., Franklin Pierce Law Center, Concord, NH, May 1998.
- Ph.D. in Physics, New Mexico Institute of Mining and Technology, December 1977.
- M.Sc. in Physics, New Mexico Institute of Mining and Technology, May 1975.
- B.Sc. in Physics, University of Denver, June 1971.

Publications

- Standler, *Protection of Electronic Circuits from Overvoltages*, Wiley-Interscience, 434 pp., 1989, republished by Dover Press in 2002.
- author of more than 35 archival papers in science and engineering published in either international journals or proceedings of international conferences.
- named inventor on three U.S. Patents.
- a complete bibliography is at the end of my curriculum vitae, which is posted on the Internet at: <http://www.rbs2.com/cv.htm>

Professional Skills in Science, Engineering, and Scholarly Research

- applied physics, particularly electromagnetics and acoustics.
- scientific research in thunderstorms, lightning, and electrical discharges in gases (1971-1979).
- design of electronic instrumentation (1973-1989), including measurement of currents from 0.1 pA to 10 kA and voltages from 0.1 mV to 40 kV.
- research & development in protection of electronic circuits and systems from surges, such as lightning and nuclear EMP (1982-1993). I am a recognized expert in this area.
- computer programming (1968-1995), principally design and validation of algorithms, statistical analysis of data, automatic data collection from instruments, and numerical models of physical phenomena.
- design of electronic circuits, both analog and digital.

- scholarly library research: I can find facts and evaluate information in physics, meteorology, electrical engineering, medicine, patents, engineering standards, and law. I have used DIALOG on-line databases since 1981.
- both technical writing and legal writing.

Legal Skills

- computer law, higher-education law, copyright law, torts, and First Amendment law.
- legal research: I used LEXIS during 1991-97, and WESTLAW extensively since 1995.
- narrative text about my legal skills is posted at <http://www.rbs2.com/job.htm#anchor222222>

Bar Admissions

- U.S. Supreme Court, 5 Aug 2002.
- U.S. Court of Appeals for the First Circuit, 11 Jan 2001.
- U.S. District Court, District of Massachusetts, 21 May 1999.
- Admitted to practice in patent cases before the U.S. Patent & Trademark Office, 16 Feb 1999.
- Admitted as an attorney in Massachusetts, 17 Dec 1998.

Recent Employment

- 1999-present, self-employed attorney in Massachusetts, concentrating in computer law, higher-education law, and copyright law.
- 1990-present, self-employed consulting engineer, nationwide consulting to litigators on scientific evidence in torts involving technology.
- 1984-1990, Associate Professor of Electrical Engineering, The Pennsylvania State University, State College, PA.
- 1983-1984, sabbatical as U.S. Air Force Research Scholar, Kirtland Air Force Base, NM.
- 1981-1983, Assistant Professor of Electrical Engineering, Rochester Institute of Technology.

Professional memberships

- American Association for Advancement of Science, member since 1971.
- Sigma Xi, The Scientific Research Society, member since 1980.
- Institute of Electronic and Electrical Engineers, senior member since 1986.
 - IEEE Electromagnetic Compatibility Society,
 - development and approval of ANSI/IEEE standards for surge-protective devices during 1982-1995; active participant in development of IEC standards for surge-protective devices during 1989-93.