Jonathan Sapirstein

a. Professional Preparation.

Institution	Major	Degree	Year
Stanford University	Physics	M.S.	1973
Stanford University	Physics	PhD	1979

b. Appointments.

1992-present	Professor, University of Notre Dame
1988-1992	Associate Professor, University of Notre Dame
1984-1988	Assistant Professor, University of Notre Dame
1982-1984	Postdoctoral Associate, Cornell University
1980-1982	Adjunct Assistant Professor, UCLA
1979-1980	Postdoctoral Associate, UCLA

c. Publications.

FIVE PUBLICATIONS MOST CLOSELY RELATED

1. Bound-state field-theory approach to proton-structure effects in muonic hydrogen: Peter J. Mohr, J. Griffith, and J. Sapirstein, Phys. Rev. A86, 052511 (2013).
2. Field theory calculation of the electric dipole moment of the neutron and paramagnetic atoms, S.A. Blundell, J. Griffith, and J. Sapirstein, Phys. Rev. D86, 025023 (2012).
3. Coordinate-space approach to vacuum polarization: Paul Indelicato, Peter J. Mohr, and J Sapirstein, Phys. Rev. A87, 052511 (2013).
4. Vacuum polarization calculations for hydrogenlike and alkali-metal-like ions, J. Sapirstein and K.T. Cheng, Phys. Rev. A68, 042111 (2003).
5. Evaluation of two-photon exchange graphs for excited states of highly charged heliumlike ions: Peter J. Mohr and J. Sapirstein, Phys. Rev. A62, 052501 (2000).

FIVE FURTHER PUBLICATIONS

1. Calculation of radiative corrections to hyperfine splittings in the neutral alkali metals: J. Sapirstein and K.T. Cheng, Phys. Rev. A67, 022512 (2003)
2. Determination of the two-loop Lamb shift in lithiumlike bismuth: J. Sapirstein and K.T. Cheng, Phys. Rev. A64, 022502 (2001)
3. Radiative corrections in atomic physics in the presence of perturbing potentials, S.A. Blundell and J. Sapirstein, Phys. Rev. A55, 1857 (1997)
4. Calculation of the Lamb shift in neutral alkali metals, J. Sapirstein and K.T. Cheng, Phys. Rev. A66, 042501 (2002)
5. Radiative corrections to parity-nonconserving transitions in atoms, J. Sapirstein, K. Pachucki, A. Veitia, and K.T. Cheng, Phys. Rev. A67, 052110 (2003)

d. Synergistic activities.

1. Preparing general purpose quantum field theory textbook, 'Bound State Quantum Field Theory'.

e. Collaborators & other affiliations.

1. **Collaborators**.

   a. Steve Blundell, CEA/Grenoble.
   b. K.T. Cheng, LLNL.
   c. Peter Mohr, NIST.
   d. Peter Rakitsis, University of Crete.

2. **Graduate and Postdoctoral Advisors**
   a. Stanley J. Brodsky, Stanford Linear Accelerator Center (Thesis Advisor)
   b. John Cornwall, UCLA (Postdoc Supervisor)
   c. Donald Yennie (deceased), Cornell (Postdoc Supervisor)

3. **Thesis Advisor** (total of 4)

   a. J. Griffith (Ph.D. received 2013)
   b. S. Mallampalli (Ph.D. received 1998)
   c. S. Morrison (Ph.D. received 2007)
   d. C. Poo-Rakkiat (Ph.D. received 1989)