

Scot R. Elkington
Curriculum Vitae

Laboratory for Atmospheric and Space Physics
University of Colorado at Boulder
1234 Innovation Drive
Boulder, Colorado 80303

Voice: 303-735-0810
Fax: 303-492-6444
scot.elkington@lasp.colorado.edu
<http://lasp.colorado.edu/~elkinto>

Education

Ph.D. in Physics	June 2000
Dartmouth College, Physics & Astronomy	Hanover, NH
B.Sc. in Physics, Mathematics minor	June 1992
Utah State University, Department of Physics	Logan, UT

Research Experience

Research Scientist	2003–present
Laboratory for Atmospheric & Space Physics, University of Colorado	Boulder, CO
Research Associate	2000–2003
Space Science Institute/Laboratory for Atmospheric & Space Physics	Boulder, CO
Graduate Research Assistant	1994–2000
Dartmouth College, Physics & Astronomy	Hanover, NH

Select Publications

Elkington, S.R., A review of ULF interactions with radiation belt electrons, in *Magnetospheric ULF Waves*, edited by K. Takahashi, R. Denton, and R. Lysak, AGU Geophysical Monographs, AGU, Washington, D.C., 2005 (in press).

Elkington, S.R., D.N. Baker, and M. Wiltberger, Injection of energetic ions during the 31 March 0630 sub-storm, in *The Inner Magnetosphere: Physics and Modeling*, edited by T. Pulkkinen, N.A. Tsyganenko, and R.H.W. Friedel, vol. 155, p. 147, AGU Geophysical Monographs, AGU, Washington, D.C., 2005.

Elkington, S.R., M. Wiltberger, A.A. Chan, and D.N. Baker, Physical models of the geospace radiation environment, *J. Atmos. Solar Terr. Phys.*, 66, 1371, doi:10.1016/j.jastp.2004.03.023, 2004.

Elkington, S.R., M.K. Hudson, and A.A. Chan, Resonant acceleration and diffusion of outer zone electrons in an asymmetric geomagnetic field, *J. Geophys. Res.*, 108(A3), 1116, doi:10.1029/2001JA009202, 2003.

Elkington, S.R., M.K. Hudson, M.J. Wiltberger, J.G. Lyon, MHD/Particle simulations of radiation belt dynamics, *J. Atmos. Solar-Terr. Phys.*, 64, 607, 2002.

Elkington, S.R., M.K. Hudson, and A.A. Chan, Acceleration of relativistic electrons via drift-resonant interaction with toroidal-mode Pc-5 ULF oscillations, *Geophys. Res. Lett.*, 26, 3273, 1999.

Recent Collaborators

Dan Baker, Anthony Chan, Yue Fei, Reiner Freidel, Janet Green, Mary Hudson, Xinlin Li, Ian Mann, Terry Onsager, Kara Perry, Theodore Sarris, Michael Wiltberger.

Graduate and Postdoctoral Advisors

Mary Hudson, Dartmouth College
Paul Dusenbery, Space Science Institute
Dan Baker, LASP/CU

Educational Advising

PhD. Advisor, Seth Claudpierre, University of Colorado Applied Mathematics
Thesis Committee, Edward Burin DesRosier, University of Colorado Physics
Thesis Committee, Kara Perry, Dartmouth College Physics (PhD. 10/2004)