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PROFESSIONAL PREPARATION

Ph.D., Astro-Geophysics, University of Colorado, 1978

M.S., Astro-Geophysics, University of Colorado, 1970

B.S., Physics, Purdue University, 1968

APPOINTMENTS

Research Professor, Department of Physics and The Institute for the Study of Earth, Oceans and Space, University of New Hampshire, 1990-present.

Associate Research Professor, Department of Physics, and The Institute for the Study of Earth, Oceans and Space, University of New Hampshire, 1986-1990.

Research Scientist II, Space Science Center, University of New Hampshire, 1984-1986.

Research Fellow, Department of Applied Mathematics, University of St. Andrews, 1980-1984.

Post-Doctoral Appointment, Los Alamos National Laboratory, 1978-1980.

SELECTED PUBLICATIONS

Forbes, T.G., Numerical simulation of a catastrophe model for coronal mass ejections, *J. Geophys. Res.*, *95*, 11919, 1990.

Forbes, T.G., Magnetic reconnection in solar flares, *Geophysical and Astrophysical Fluid Dynamics*, *62*, 15-36, 1991.

Priest, E.R. and T.G. Forbes, Does fast magnetic reconnection exist?, *J. Geophys. Res.*, *97*, 16757-16772, 1992.

Forbes, T.G., E.R. Priest, and P.A. Isenberg, On the maximum energy release in flux-rope models of eruptive flares, *Solar Phys.*, *150*, 245, 1994.

Forbes, T.G. and E.R. Priest, Photospheric magnetic field evolution and eruptive flares, *Astrophys. J.*, *446*, 377, 1995.

Forbes, T.G., Reconnection theory for flares, in *Observations of Magnetic Reconnection in the Solar Atmosphere* (eds. R.D. Bentley and J.T. Mariska), *Astron. Soc. Pac. Conf. Series*, ASP, Provo, Utah, pp. 259-267, 1996.

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- Lin, J., T.G. Forbes, P.A. Isenberg, and P. Dmoulin, The effect of curvature on flux-rope models of coronal mass ejections, *Astrophys. J.*, 505, 1006, 1998.
- Lin, J. and T.G. Forbes, The effects of reconnection on the coronal mass ejection process, *J. Geophys. Res.*, 105, 2375, 2000.
- Forbes, T.G., A review on the genesis of coronal mass ejections, *J. Geophys. Res.*, 105, 23153, 2000.
- Birn, J., J.T. Gosling, M. Hesse, T.G. Forbes, and E.R. Priest, Simulations of three-dimensional reconnection in force-free and non-force-free fields, *Astrophys. J.*, 541, 1078-1095, 2000.
- Lin, J., T.G. Forbes, and P.A. Isenberg. Prominence eruptions and coronal mass ejections triggered by newly emerging flux, *J. Geophys. Res.*, 106, 25053-25073, 2001.
- Priest, E.R. and T.G. Forbes, The magnetic nature of solar flares, *Astron. Astrophys. Revs.*, 10, 313-377, 2002.
- Birn, J., T.G. Forbes, and K. Schindler, Models of three-dimensional flux ropes, *Astrophys. J.*, 588, 578-585, 2003.
- Roussev, I.I., T.G. Forbes, T.I. Gombosi, I.V. Sokolov, D.L De Zeeuw, and J. Birn, A three-dimensional flux rope model for coronal mass ejections based on a loss of equilibrium, *Astrophys. J.*, 588, L45-48, 2003.
- Webb, D.F., J. Burkepile, T.G. Forbes, and P. Riley, *J. Observational evidence of new current sheets trailing coronal mass ejections*, *Geophys. Res.*, 108(A12), 1440, doi: 10.1029/2003JA009923, 2003.