

# Charles C. Goodrich

Department of Astronomy and Center for Space Physics,  
Boston University, 725 Commonwealth Ave.,  
Boston, Massachusetts 02215

## Academic Degrees

S.B.	Physics,	M.I.T.,	1972
Ph.D.	Physics,	M.I.T.,	1978

## Professional Positions

*Boston University, Boston, Massachusetts*

2002-present Res. Professor, Department of Astronomy and Center for Space Physics  
2004-present Co-Director (Code Coupling, Center for Integrated Space Weather Modeling  
2002 -2004 Deputy Director, Center for Integrated Space Weather Modeling

*University of Maryland, College Park, MD*

1999-2002 Senior Research Scientist, Department of Astronomy  
1990-2002 Director, Advanced Visualization Laboratory  
1986-1999 Associate Research Scientist, Department of Astronomy  
1980-1986 Sr. Research Associate, Department of Physics and Astronomy

*M.I.T., Cambridge, MA*

1978-1980 Research Scientist, Center for Space Research

## Professional Awards and Service

NASA Group Achievement Awards: 1998, 1981  
NCSA User Advisory Committee

## Related Publications

- Goodrich, C.C., A.L. Sussman, J.G. Lyon, M. Shay, and P. Cassak, "The CISM Code Coupling Strategy", *J. Atmos. Solar Terr. Phys.*, doi 10.1016/j.jastp.2004.04.010, 2004.
- Guild, T., H.E. Spence, L. Kepko, M. Wiltberger, C.C. Goodrich, J.G. Lyon and W. J. Hughes, "Plasma Sheet Climatology: Geotail Observations and LFM Model Comparisons", *J. Atmos. Solar Terr. Phys.*, 66, 1351, doi:10.1016/j.jastp.2004.03.021, 2004.
- Wiltberger, M., W. Wang, A.G. Burns, S.C. Solomon, J.G. Lyon, and C.C. Goodrich, "Initial results from the Coupled Magnetosphere-Ionosphere-Thermosphere Model: Magnetospheric and Ionospheric responses", *J. Atmos. Solar Terr. Phys.*, 66, 1411, doi:10.1016/j.jastp.2004.04.026, 2004.
- V. G. Merikine, K. Papadopoulos, G. Milikh, A.S. Sharma, X. Shao, J. Lyon, and C. Goodrich, "Effects of the solar wind electric field and ionospheric conductance on the cross polar cap potential: Results of global MHD modeling," doi:10.1029/2003GL017903, 2003.
- Wiltberger, M., J. G. Lyon, and C. C. Goodrich, "Results from the Lyon-Fedder-Mobarry Global Magnetospheric Model for the Electrojet Challenge," *J. Atmos. Solar Terr. Phys.*, 65, 1213-1222, 2003.

## Synergistic Activities

Development and production of scientific visualizations for faculty and student at the University of Maryland. These visualizations have been used in several university courses, video documentaries, and in the IMAX film SOLARMAX

## Other Collaborators

K. Papadopoulos, P. Guzdar, G. Milikh, A. Sussman, S. Sharma, X. Shao, J. A. Fedder, M. K. Hudson, J. G. Lyon, M. Wiltberger Dartmouth), W. J. Hughes, R. E. Lopez, T. I. Pulkkinen