

## Jack M Quinn

### **Appointments:**

2005 - Boston University: Research Professor, Department of Astronomy;  
Executive Director, NSF Center for Integrated Space Weather Modeling.  
1995 - 2004, University of New Hampshire: Research Associate Professor, Department of  
Physics and Institute for the Study of Earth, Oceans, and Space.  
1981-1995, Lockheed Palo Alto Research Laboratories: 1992-1995, Group Leader & Senior  
Staff Scientist; 1988-1992, Staff Scientist; 1982-1988, Research Scientist; 1981-1982,  
Associate Research Scientist.

**Space Instrumentation:** EDI instrument lead, pending MSS proposal; ESA Co-PI (w/ G.  
Paschmann) and NASA Lead Co-I for EDI on Cluster-II; Co-I responsible for EDI Sensor on  
Cluster, Equator-S, and Cluster-II; LENA development team for IMAGE; Co-PI, Program  
Manager, Instrument Scientist for 4 instruments on CRRES; PI NASA Conversion Surface  
Technology Development for neutral atom imaging.

### **Education:**

Ph.D. in Physics, 1981, University of California, San Diego  
M.S. in Physics, 1977, University of California, San Diego  
B. S. in Physics, 1975, University of Colorado

### **Professional Societies and Public Service:**

American Geophysical Union; European Geosciences Union  
School Board, Oyster River Cooperative School District, 2002-2005, Chair 2003-2005  
Numerous peer review panels for science and mission proposals  
NASA MMS Science & Technology Definition Team, 1998 - 2001  
NASA Sun-Earth Connections Technology Working Group, 1996 – 1997  
NASA Magnetospheric Management Operation Working Group, 1994 - 1995  
AIAA Technical Committee for Space Science and Astronomy, 1988 - 1989

### **Honors and Awards:**

NASA Group Achievement Award, Cluster Science Team, 2004  
NASA Group Achievement Award, LENA Instrument Team, 2001  
Superior Performance Award for EDI Sensor, Lockheed Palo Alto, 1995  
Regents Scholarship, University of California, San Diego, 1975 - 1976  
Outstanding Physics Senior, University of Colorado, 1975

### **Selected Publications:**

Matsui, H., J. M. Quinn, R. B. Torbert, V. K. Jordanova, P. A. Puhl-Quinn, and G. Paschmann,  
IMF B<sub>Y</sub> and seasonal dependence of the electric field in the inner magnetosphere,  
submitted to *Ann. Geophysicae*, 2005.  
Quinn, J.M., et al., Cluster EDI convection measurements across the high-latitude plasma sheet  
boundary at midnight, *Ann. Geophysicae*, 19, 1669, 2001.  
Quinn, J.M., et al., EDI convection measurements at 5-6 RE in the post-midnight region, *Ann.  
Geophysicae*, 1503, 1999.  
Quinn, J.M. and R.G. Johnson, Observations of Ionospheric Source Cone Enhancements at the  
Substorm Injection Boundary, *J. Geophys. Res.*, 90, 4211, 1985.  
Quinn, J.M. and D.J. Southwood, Observations of Parallel Ion Energization in the Equatorial  
Region, *J. Geophys. Res.*, 87, 10536, 1982.