

Quigang Zong

Dr. Quigang Zong has been acting as co- Investigator in many NASA/ESA/JAXA/CNSA major spaceflight projects like Geotail, Cluster and Double Star. He has demonstrated innovative abilities to analysis space science data from various spacecraft: (1) At Max-Planck Institute, he was trained to analysis satellite data and instrument calibration; (2) Working at Boston University and moving to U. Mass Lowell, he has taken the advantage of the satellite project expertise from both the institutions and developed skills to handle multiple instrument data sets; (3) He has obtained “Outstanding Scientist Award” from European Space Agency, 2010; European Space Agency Special Cluster Award, 2005; NASA – Cluster Science Team, Group Achievement Award, 2004; Chinese National Awards for the Promotion of Advanced Science and Technology, 2001; (4) He has served as Guest Editor for J. of Atmospheric and Terrestrial Physics (JASTP, 2009), Magnetosphere Secretary for Asia Oceania Geosciences Society (AOGS), Associate Editor for JGR- Space Physics, and Editor for Advances in Geosciences, AOGS (World Scientific); (5) He has organized more than 12 sessions in the international meetings, e.g. AGU, AGU Western Pacific meeting and AOGS meetings.

a. Education

1999 Max-Planck Inst. fur Aeronomie & Technische Univ. Germany Geophysics, PhD

b. Appointments

Oct. 2013 – present	Director of ISPAT	Peking University
Aug. 2007 – present	“Changjiang” Professor	Peking University
Jun. 2006 – Aug 2007	Research Associate Professor	Univ. Mass Lowell
May 2003 –Jun. 2006	Senior Research Associate	Boston University
Jun. 2001 –May 2003	Research Associate	Boston University
Jan. 2000– Jun. 2001	Research Scientist	Max-Planck Institute fur Aeronomie, Germany
Dec. 1999 –Jan. 2000	Visiting Scientist (JSPS fellowship)	Waseda University, Japan
Jan. 1999– Dec. 1999	Post-Doctoral Fellow	Max-Planck Institute fur Aeronomie, Germany
Jun. 1994 –Jan. 1999	Ph.D Scholarship	Max-Planck Institute fur Aeronomie, Germany

c. Selected Publications

1. Zong, Q.-G., et al. (2012), Fast acceleration of inner magnetospheric hydrogen and oxygen ions by shock induced ULF waves, *J. Geophys. Res.*, 117, A11206, doi:10.1029/2012JA018024.
2. Zong, Q.-G. and H. Zhang (2011), On magnetospheric response to solar wind discontinuities, *J. Atmos. Terr. Phys.*, 73(1), doi:10.1016/j.jastp.2010.11.001.
3. Zong, Q.-G., X.-Z. Zhou, Y. F. Wang, X. Li, P. Song, D. N. Baker, T. A. Fritz, P. W. Daly, M. Dunlop, and A. Pedersen (2009), Energetic electron response to ULF waves induced by interplanetary shocks in the outer radiation belt, *J. Geophys. Res.*, 114, A10204, doi:10.1029/2009JA014393.
4. Zong, Q.-G., Y. F. Wang, B. Yang, H. Zhang, A. M. Tian, M. Dunlop, T. A. Fritz, L. M. Kistler, A. Korth, P. W. Daly, A. Pedersen (2009), Vortex - like plasma flow structures observed by Cluster at the boundary of the outer radiation belt and ring current: A link between the inner and outer magnetosphere, *J. Geophys. Res.*, 114, A10211, doi:10.1029/2009JA014388.
5. Zong Q.-G., X.-Z. Zhou, X. Li, P. Song, S. Y. Fu, D. N. Baker, Z. Y. Pu, T. A. Fritz, P. Daly, A. Balogh, H. Réme (2007), Ultralow frequency modulation of energetic particles in the dayside magnetosphere, *Geophys. Res. Lett.*, 34, L12105, doi:10.1029/2007GL029915
6. Zong, Q.-G., T. A. Fritz and H. Spence, K. Oksavik, P. Daly and A. Korth, (2004) Energetic Particle Sounding of the Magnetopause -- A Contribution by CLUSTER /RAPID *J. Geophys. Res.*, 109, A04207, doi:10.1029/2003JA009929.