

Short bio of Yoshizumi Miyoshi, Ph.D. (August, 2016)

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**Education:**

1996.3 B. Sci., Department of Science, Tohoku University, Japan
1998.3 M. Sci., Graduate School of Science, Tohoku University, Japan
2001.3 Ph.D., Graduate School of Science, Tohoku University, Japan

Employment:

2015 - present Associate Professor, Institute for Space-Earth Environmental Research, Nagoya University
2012 - 2015 Associate Professor, Solar-Terrestrial Environment Laboratory, Nagoya University
2004 - 2012 Assistant Professor, Solar-Terrestrial Environment Laboratory, Nagoya University
2002 - 2003 Visiting Researcher, University of New Hampshire, Japan
2001 - 2004 Research Fellow of Japan Society for the Promotion of Science

Professional Activities:

Vice Chair of COSPAR/PRBEM, 2010-present
Co-leader of SPeCIMEN/VarSITI, SCOSTEP, 2016-present
Associate Editor of Journal of Geophysical Research, AGU, 2012-2014
Guest Editor of Journal of Geophysical Research, AGU, 2015
Editor of Annales of Geophysicae, EGU, 2016-present
Visiting Associate Professor, ISAS/JAXA, 2014-present

Experiences for Space missions:

Project Scientist: Geospace Exploration Project (ERG)
Co-Investigator: JUICE/RPWI, Van Allen Probes/RBSPICE, BepiColombo MMO/MPPE

Awards:

- Obayashi Prize, Society of Geomagnetism and Earth, Planetary and Space Sciences, Japan, 2006
- Morita Prize, Tohoku University, Japan, 2009
- The Young Scientist's Prize, The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology, Japan, 2013
- Nishida Prize, Japan Geoscience Union, 2015

Publications and presentations:

171 refereed publications, Three Books (author, co-author and Editor)
54 invited talks and lectures at international conference

Selected Papers:

- Miyoshi, Y. et al., Rebuilding process of the outer radiation belt during the November 3, 1993, magnetic storm - NOAA and EXOS-D observations, *J. Geophys. Res.*, **108**, 1004, doi:10.1029/2001JA007542, 2003.
- Miyoshi, Y. et al., Time of flight analysis of pulsating aurora electrons, considering wave-particle interactions with propagating whistler mode waves, *J. Geophys. Res.*, **115**, A10312, doi:10.1029/2009JA015127, 2010.
- Miyoshi, Y. et al., The Energization and Radiation in Geospace (ERG) Project, in Dynamics of the Earth's Radiation Belts and Inner Magnetosphere, pp.103-116, AGU, Washington, D.C. doi:10.1029/2012BK001304, 2012.
- Miyoshi, Y. et al., High-speed solar wind with southward interplanetary magnetic field causes relativistic electron flux enhancement of the outer radiation belt via enhanced condition of whistler waves, *Geophys. Res. Lett.*, **40**, doi:10.1002/grl.50916, 2013.
- Miyoshi, Y. et al., Energetic electron precipitation associated with pulsating aurora: EISCAT and Van Allen Probes observations, *J. Geophys. Res.*, **120**, doi:10.1002/2014JA020690, 2015.
- Miyoshi, Y. et al., Relation between energy spectra of pulsating aurora electrons and frequency spectra of whistler-mode chorus waves, *J. Geophys. Res.*, **120**, doi:10.1002/2015JA021562, 2015.