Curriculum Vitae

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Name: Tomoki KIMURA
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Interests

Jupiter, Saturn, planetary plasma wave & X-ray emissions, wave-particle interactions, and high energy phenomena

Educational background

April, 2001 - March, 2005

Undergraduate student at Tohoku University

April, 2005 - March, 2010

Master course (2005-2007) and Ph.D. course (2007-2010) student at Graduate School of Science, Tohoku University
(supervisors: Akira Morioka and Hiroaki Misawa)

Professional experience

April, 2010 - present

Project researcher at Japan Aerospace Exploration Agency

List of Publications

(as the first author)

- **T. Kimura**, F. Tsuchiya, H. Misawa, A. Morioka, and T. Nishimura, Direct and indirect generation of Jovian quasi-periodic radio bursts by relativistic electron beams in the polar magnetosphere, Journal of Geophysical Research, 2010JA016119, 2011b.
- **T. Kimura**, F. Tsuchiya, H. Misawa, A. Morioka, H. Nozawa, and M. Fujimoto, Periodicity analysis of Jovian quasi-periodic radio bursts based on Lomb-Scargle periodograms, Journal of Geophysical Research, 2010JA016076, 2011a.
- **T. Kimura**, F. Tsuchiya, H. Misawa, A. Morioka, and H. Nozawa, Occurrence statistics and ray tracing study of Jovian quasi-periodic radio bursts observed from low latitudes, Journal of Geophysical Research, doi:10.1029/2009JA014647,

2010.

- **T. Kimura**, F. Tsuchiya, H. Misawa, A. Morioka, and H. Nozawa, Radiation characteristics of quasi-periodic radio bursts in the Jovian high latitude region, Planetary and Space Science, 10.1016/j.pss.2008.09.021, 2008b.
- **T. Kimura**, F. Tsuchiya, H. Misawa, A. Morioka, and H. Nozawa, Occurrence and source characteristics of the high latitude components of Jovian Broadband Kilometric Radiation, Planetary and Space Science, doi:10.1016/j.pss.2008.03.001, 2008a.

(as a coauthor)

- F. Tsuchiya, M. Kagitani, N. Terada, Y. Kasaba, I. Yoshikawa, G. Murakami, K. Sakai, T. Homma, K. Yoshioka, A. Yamazaki, K. Uemizu, **T. Kimura**, and M. Ueno, PLAN FOR OBSERVING MAGNETOSPHERES OF OUTER PLANETS BY USING THE EUV SPECTROGRAPH ONBOARD THE SPRINT-A/EXCEED MISSION, Adv. Geosci., 2010.
- A. Morioka, H. Nozawa, H. Misawa, F. Tsuchiya, Y. Miyoshi, **T. Kimura**, and W. Kurth, Rotationally driven quasi-periodic radio emissions in the Jovian magnetosphere, Journal of Geophysical Research, American Geophysical Union, Vol.111, A04223, 2006.
- H. Nozawa, H. Misawa, M. Kagitani, F. Tsuchiya, S. Takahashi, A. Morioka, **T. Kimura**, S. Okano, H. Yamamoto, and R. Sood, Implication for the solar wind effect on the Io plasma torus, Geophysical Research Letters, American Geophysical Union, Vol.33, L16103, 2006.