

# Curriculum Vitae

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Name: Masaki Fujimoto

Date of birth: 4 Dec 1964

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## Interests

Space Plasma Physics

(earth and planetary magnetospheric physics, magnetic reconnection, particle acceleration, plasma processes in proto-planetary disks, plasma numerical simulation)

## Educational background

March, 1992

Ph.D. The University of Tokyo

(supervisor: Prof. Atsuhiko Nishida)

## Professional experience

April, 1992 - March, 1996

Assistant Professor, Dept. Physics, Nagoya University

April, 1996 - March, 2006

Associate Professor, Dept. Earth and Planetary Sci, Tokyo Inst Tech

April, 2006-

Professor, Institute of Space and Astronautical Science (ISAS), JAXA

Appointments

Director, Div. Space Plasma Phys., ISAS, JAXA

Secretary, Steering Committee for Space Science, ISAS, JAXA

Editor, J Geophys Res - Space, American Geophys Union

Board Member, Space and Planetary Science Section, Japan Geophys Union

Project Scientist, BepiColombo MMO, JAXA

Project Scientist, Geotail, JAXA

## List of Publications

- Fujimoto, M., I. Shinohara, and H. Kojima, Reconnection and waves: A review with a perspective, **Space Sci Rev.**, in press, 10.1007/s11214-011-9807-7 (2011)
- Khotyaintsev, Y.V., A. Vaivads, M. Andre, M. Fujimoto, et al., Observations of Slow Electron Holes at a Magnetic Reconnection Site, **Phys Rev Lett**, 105, 165002 (2010)
- Kato, M., Fujimoto, M.; Ida, S., Dust Concentration at the Boundary Between Steady Super/Sub-Keplerian Flow Created by Inhomogeneous Growth of Magneto-rotational Instability, **The Astrophysical Journal**, 714, 1155-1169 (2010)
- Tanaka, K.G., T. Yumura, M. Fujimoto, et al., Merging of magnetic islands as an efficient accelerator of electrons, **Phys. Plasmas**, 17, 102902 (2010)
- M. Fujimoto, Y. Tsuda, Y. Saito, I. Shinohara, T. Takashima, A. Matsuoka, H. Kojima, and Y. Kasaba, The SCOPE Mission, **AIP Conf. Proc.** Volume 1144, pp. 29-35 (2009)
- M. Oka, M. Fujimoto, T. K. M. Nakamura, I. Shinohara, and K.-I. Nishikawa, Magnetic Reconnection by a Self-Retreating X Line, **Phys. Rev. Lett.** 101, 205004 (2008)
- Nakamura, T. K. M. and M. Fujimoto, Magnetic Effects on the Coalescence of Kelvin-Helmholtz Vortices, **Phys. Rev. Lett.** 101, 165002 (2008)
- M.N. Nishino, M. Fujimoto, T.D. Phan, et al., Anomalous flow deflection at Earth's low-Alfvén-Mach-number bow shock, **Phys. Rev. Lett.**, 101, 065003 (2008)
- Fujimoto, M., W. Baumjohann, K. Kabin, R. Nakamura, J. A. Slavin, N. Terada, L. Zelenyi: Hermean magnetosphere-solar wind interaction, **Space Sci. Rev.**, 132, 529-550, (2007)
- Chaston, C.C., M. Wilber, F. S. Mozer, M. Fujimoto, M. L. Goldstein, M. Acuna, H. Reme, and A. Fazakerley, Mode Conversion and Anomalous Transport in Kelvin-Helmholtz Vortices and Kinetic Alfvén Waves at the Earth's Magnetopause, **Phys. Rev. Lett.** 99, 175004 (2007)