

**Yuki Harada**

Assistant Professor

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***Education:***

- Ph.D. in Science, 2014, Graduate School of Science, Kyoto University, Thesis title: *Interactions of Earth's Magnetotail Plasma with the Surface, Plasma, and Magnetic Anomalies of the Moon*
- M.S. in Geophysics, 2011, Graduate School of Science, Kyoto University
- B.S., 2009, Department of Geophysics, Kyoto University

***Research Experience:***

- 2018 – present: Assistant Professor, Kyoto University
- 2017 – 2018: Assistant Research Scientist, University of Iowa
- 2014 – 2017: Postdoctoral Scholar, SSL/Univ. of California, Berkeley
- 2014: Collaborating Researcher, Nagoya University
- 2011 – 2014: JSPS Research Fellowships for Young Scientists DC1

***Technical Experience:***

- Data analysis experience: Kaguya PACE/LMAG, ARTEMIS ESA/FGM/EFI/SCM, Chandrayaan-1 SWIM/CENA, WIND 3DP, MAVEN SWIA/STATIC/SWEA/MAG/LPW/NGIMS, Mars Express/MARSIS/ASPERA-3, BepiColombo Mio/MPPE, EMM/EMUS

***Professional Societies and Activities:***

- Reviewer for professional journals: *Geophysical Research Letters*, *Journal of Geophysical Research: Space Physics*, *Journal of Geophysical Research: Planets*, *Earth, Planets and Space*, *The Astrophysical Journal*, *The Astrophysical Journal Letters*, *Planetary Science Journal*, *Icarus*, *Advances in Space Research*, *Astronomy & Astrophysics*, *Surveys in Geophysics*, *Nature Communications*, *Nature*
- Member: Society of Geomagnetism and Earth, Planetary and Space Science (SGEPSS), Japan Geoscience Union (JpGU), American Geophysical Union (AGU)

***Research Interests:***

- Plasma dynamics and wave-particle interactions at unmagnetized and weakly-magnetized bodies
- Space weather at the Moon and Mars
- Martian aurora
- Plasma-surface interactions in space

***Awards:***

- SGEPSS Obayashi Early Career Scientist Award, November 2021
- 2019 Editor's Citation for Excellence in Refereeing for JGR-Space Physics, June 2020
- NASA Group Achievement Award for MAVEN Mission Team, August 2018

- NASA Group Achievement Award for MAVEN Science Team, June 2016
- NASA RHG Exceptional Achievement for Science for MAVEN Science Team, March 2016
- Outstanding Master's Thesis Award, Department of Geophysics, Graduate School of Science, Kyoto University, February 2011
- SGEPPSS Student Presentation Award (Aurora Medal), Society of Geomagnetism and Earth, Planetary and Space Sciences Fall Meeting, May 2010

***Invited Presentations and Seminars:***

Harada, Y., Saito, Y., Hadid, L., Delcourt, D., Aizawa, S., Rojo, M., André, N., Persson, M., Fraenz, M., Yokota, S., Fedorov, A., Miyake, W., Penou, E., Barthe, A., Sauvaud, J., Katra, B., Matsuda, S. and Murakami, G., Low-energy Ion Transport in Mercury's Magnetosphere: Bepicolombo Mio Observations and Test Particle Simulations, AOGS 2024, ST11-A006, 2024-06-28, Pyeongchang (Oral, Invited)

Harada, Y., Nakamura, Y., Sanchez-Cano, B., Lester, M., Terada, N., Leblanc, F., Space Weather at Mars as Probed by Topside Radar Sounding, JpGU 2024 PEM11-18, 2024-05-28, Makuhari, Japan (Oral, Invited)

Harada, Y., Saito, Y., Aizawa, S., Hadid, L., André, N., Persson, M., Delcourt, D., Fraenz, M., Yokota, S., Fedorov, A., Miyake, W., Penou, E., Barthe, A., Sauvaud, J., Katra, B., Matsuda, S. and Murakami, G., Dynamics of Low-Energy Ions in Mercury's Magnetosphere: Results From BepiColombo Mio's First Three Flybys, AGU Fall Meeting 2023, P41A-01, 2023-12-14, San Francisco (Oral, Invited)

Harada, Y., Minami, T., Sato, M., Seki, K., Matsushima, M., Takahashi, F., Shimizu, H., Usui, Y., Koyama, T., Ichihara, H., Matsuoka, A., Murata, N., Magnetic Field Investigation on the Martian Surface, ISAS Planetary Exploration Workshop 2023, 2023-08-29, Hybrid (Online Presentation, Invited)

Harada, Y., S. Ruhunusiri, J. S. Halekas, J. Espley, G. A. DiBraccio, J. P. McFadden, D. L. Mitchell, C. Mazelle, G. Collinson, D. A. Brain, T. Hara, M. Nosé, S. Oimatsu, K. Yamamoto, and B. M. Jakosky, Magnetosonic waves driven by proton ring distributions in the Martian magnetosphere, JpGU-AGU Joint Meeting 2020: Virtual, P-EM19, 2020-07-14, Virtual (iPoster, Zoom DFS, Invited)

Harada, Y., Solar wind and plasma environment of the Moon, ISSI workshop on Surface Bounded Exospheres and Interactions in the Solar System, 2020-01-21, Bern, Switzerland

Harada, Y., The Foremoon: A Complex Upstream Region of the Moon, Space Physics Seminar, 2016-02-12, UCLA

Harada, Y., Y. Futaana, S. Barabash, M. Wieser, P. Wurz, A. Bhardwaj, K. Asamura, Y. Saito, S. Yokota, H. Tsunakawa, S. Machida, Terrestrial Plasma Sheet Interactions with Lunar Magnetic Anomalies: Chandrayaan-1 and Kaguya Observations, AOGS 11th Annual Meeting, PS01-A009, 2014-07-30, Sapporo, Japan

***Publications:***

For the full publication list, see <http://www-step.kugi.kyoto-u.ac.jp/members/staff/haraday.html>, <https://orcid.org/0000-0002-4001-6352>, [https://researchmap.jp/yuki\\_harada](https://researchmap.jp/yuki_harada), or <http://scholar.google.com/citations?user=KRJhy40AAAAJ&hl=en>.