
CV OF JUNICHI HARUYAMA

Name Junichi HARUYAMA
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Gender Male
Institution: Japan Aerospace Exploration Agency (JAXA)
Position: Faculty member (Assistant Professor) of Institute of Space and Astronautical Science (ISAS)
Education: Doctoral Degree, Science, Kyoto University, 1994
Master of Science, Science, Kyoto University, 1991
Bachelor of Science, Science, Kyoto University, 1989

Professional Background:

2003 – Present Japan Aerospace Exploration Agency (JAXA), ISAS, assistant Prof.
2011 – Present The University of Aizu, Specially appointed senior associate Prof.
2014 – 2018 Waseda University, Invited researcher
2009 – 2017 Kumamoto University, Invited associate Prof.
2011 – 2012 Chinese Academy of Sciences, Invited Prof.
2011 – 2013 JGR-planets, associate editor

Junichi Haruyama, Ph. D is a lunar and planetary scientist. He received his Ph.D. from Kyoto University, Japan, in 1994. After studying at US California Institute of Technology as a postdoctoral fellow in 1995, he worked at National Space Development Agency of Japan from 1996, for development of the Terrain Camera (TC), the Multiband Imager (MI) and the Spectral profiler (SP) onboard a Japanese lunar explorer, the SELENE (Kaguya) as the chief-PI (principal investigator of TC), studying instrumentation and data analysis for lunar geology and geophysics. He is currently a researcher of Japan Aerospace Exploration Agency (JAXA), leading works for lunar volcanism including research of lava tube, volatiles in the lunar poles, for instance. He is also involved in lots of Japanese and international lunar and planetary missions as a Co-I or an adviser (of e.g. an asteroid sample return mission Hayabusa-2, Mars Moons Exploration MMX, and an Europe-Japan joint Jupiter icy satellite exploration mission JUICE). He has responsibility on Ph. D students as an assistant Professor of ISAS, a specially appointed senior associate professor of the University of Aizu. He had experience of teaching students and working with researchers in China as an invited Professor of CAS. He was the first Asian associate editor of Journal of Geophysical Research (JGR) planets.

Representative publications:

Junichi Haruyama et al., “Lunar holes and lava tubes as resources for lunar science and exploration”, in Moon: Prospective Energy and Material Resources, Ch. 6, pp. 140 – 164, ed. by Viorel Badescu, Springer-Verlag Berlin Heidelberg, 2012.
Junichi Haruyama et al., “Possible lunar lava tube skylight observed by SELENE cameras”, Geophysical Research letter, VOL. 36, L21206, doi:10.1029/2009GL 040635, (2009)
Junichi Haruyama et al., “Long-Lived Volcanism on the Lunar Farside Revealed by SELENE Terrain Camera”, Science, 323, 905-908, 2009
Junichi Haruyama et al., “Lack of Exposed Ice Inside Lunar South Pole Shackleton Crater”, Science, 322, 938-939, 2008
Junichi Haruyama et al., “Global Lunar-Surface Mapping Experiment by the Lunar Imager/Spectrometer on SELENE”, Earth Planets Space, 60(4), 243-256, 2008.