

Dr. Rumi Nakamura

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- Career Summary:*
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|------------|--|
| 1990-1991 | Research Associate, National Institute of Polar Research, Tokyo, Japan |
| 1991-1993 | Research Associate, NASA Goddard Space Flight Center |
| 1993-1998 | Assistant Professor, tenured, Solar-Terrestrial Environment Laboratory, Nagoya University, Japan |
| 1998-2001 | Senior Scientist, Max-Planck-Institut für extraterrestrische Physik, Germany |
| Since 2001 | Group Leader, Institut für Weltraumforschung der Österreichischen Akademie der Wissenschaften, Austria |
- Degree:*
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| 1984 | B.Sc. in Geophysics, Faculty of Science, University of Tokyo |
| 1987 | M.Sc. in Geophysics, Geophysics Research Laboratory, University of Tokyo (Thesis: "Drift of the auroral structures and the magnetospheric electric field") |
| 1990 | D.Sc. in Geophysics, Geophysics Research Laboratory, University of Tokyo (Thesis: "Aurora dynamics and particle injection associated with magnetospheric substorms") |
- Publications:*
- | | |
|--------------|-----|
| All | 261 |
| Refereed | 204 |
| First Author | 51 |
- Project Participation:* Co-Investigator: Cluster (Magnetic field experiment, Electron drift Instrument, Ion spectrometry measurement), DoubleStar (Magnetic field experiment, Hot ion analyzer instrument), THEMIS (Magnetic field experiment) Venus Express (Magnetic field experiment), Radiation Belt Storm Probes (Magnetometer/Wave Package), BepiColombo/MPO (Magnetic field experiment)
Collaborator: Magnetospheric Multiscale (Field measurement team)
- Research Experience:* *Main field:* Space plasma physics based on data analysis from satellites and ground-based measurements.
Research interests: Plasma transport and acceleration in the magnetosphere, magnetosphere-ionosphere coupling, solar wind magnetosphere interaction, substorm and storm dynamics.
- Recognition:*
- | | |
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| 2000 | Editor's Citation for Excellence in Refereeing, Geophysical Research Letters, American Geophysical Union (AGU) |
| 2005 | Tanakadate Award from the Society of Geomagnetism and Earth, Planetary and Space Sciences, Japan |
| 2008 | ISI Most-Cited Scientist, Geosciences, top 1% 1997-2007 |
| 2008 | Corresponding Member, International Academy of Astronautics |
- Other Assignments/experiences:*
- | | |
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| 2000- | Session Organization (COSPAR, IAGA, AGU, EGU meetings);
2 x International Conference Main Organizer |
| 2005- | 6 x NASA or ESA Review panel boards |
| 2007-2010 | ESA Cosmic Vision, Cross-Scale Science Study Team |
| 2007- | Special Issue Editor (2007-2009), Topical Editor (2009-) , Magnetosphere & Space Plasma Physics, Annales Geophysicae |
| 2008- | Associated Editor, Journal of Geophysical Research & Geophysical Research Letter |

Research projects supported outside IWF:

2010- FWF Joint Projects FBR and FWF (I 429-N16) "Thin current sheets in th Earth's magnetotail: Structure and evolution"

International partners:

Japan Prof. Dr. Masaki Fujimoto, Dr. Takuma Nakamura, Institute of Space and Astronautical Science, JAXA, Sagamihara
Prof. Dr. Tsugunobu Nagai, Tokyo Institute of Technology, Tokyo
Russia Dr. Anatoli Petrukovich, Space Research Institute, Russian Academy of Sciences, Moskow
Prof. Dr. Victor Segeev, Prof. Dr. Vladimir Semenov, University St. Petersburg, St. Petersburg
USA Dr. Joachim Birn, Los Alamos National Laboratory, Los Alamos
Finland Dr. Olaf Amm, Finnish Meteorological Institute, Helsinki

Selected Five Invited Talks:

Nakamura, R., T. Takada, M. Volwerk, W. Baumjohann, T.L. Zhang, Y. Asano, A.V. Rounov, Z. Vörös, C. Carr, A. Balogh, E. Lucek, B. Klecker, H. Rème, O. Amm: Fast flow, dipolarization and substorm evolution: Cluster/Double Star multipoint observations, 8th Int. Conf. Substorms, Banff, Canada, March 2006
Nakamura, R., Y. Asano, W. Baumjohann, A.V. Runov, A. Balogh, C.J. Owen, B. Klecker, L.M. Kistler, H. Reme, A. Fazarkerly, Dynamics of the thin current sheets in the magnetotail: Cluster observation, IAGA, Toulouse, France, July 2005
Nakamura, R., W. Baumjohann, A.V. Rounov, Y. Asano, M. Fujimoto, C.J. Owen, B. Klecker, H. Reme, A.N. Fazakerley, E. Lucek: Multi-point observations of magnetotail current sheets during reconnection events, EGU General Assembly 2007, Vienna, April 2007
Nakamura, R.: Dynamics of the magnetotail, IUGG General Assembly 2007, Perugia, July 2007
Nakamura, R., Cluster & THEMIS multi-point observations of Earthward flows and active thin current sheets, Workshop on Thin Current Sheets, Yellowstone, Sep 2009