

Dr. Takuma Nakamura

Staff scientist (Space Plasma Physics Group)

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Main areas of research

- Space plasma physics based on numerical simulations using magnetohydrodynamic (MHD)/kinetic codes
- High-performance computing based on kinetic simulations on petascale supercomputers
- Plasma turbulence, transport and energization in Earth's and planetary magnetospheres

Professional experience

2014 to present	Staff Scientist, Austrian Academy of Sciences (OeAW)
2014 to 2015	Guest Scientist, Los Alamos National Laboratory (LANL)
2011 to 2014	Director's Postdoc Fellow, LANL
2007 to 2011	Postdoc Research Fellow of the Japan Aerospace Exploration Agency (JAXA)

Funding

2020 to 2023	FWF Stand-alone Project, P32175-N27, 372K EUR, PI
2019 to 2020	ISEE (Institute for Space-Earth Environmental Research, Nagoya University) Joint Research program, 200K JPY, PI
2018 to 2019	ISEE Joint Research program, 200K JPY, PI
2017 to 2018	ISEE Joint Research program, 400K JPY, Co-I
2013 to 2016	NASA ROSES-2012, Heliophysics Theory Program (NNH12ZDA001N-GEO), 463K USD, Co-I
2012 to 2015	FWF Stand-alone Project, P23862-N16, 115K EUR, Co-I