JSPS Postdoctoral Fellowship for Overseas Researcher

FY 2016 Mathematical

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
MIRANDA, M. S. ARGENTINA	Realization of d-wave superconductivity by using a quantum gas microscope for cold fermionic atoms	Tokyo Institute of Technology KOZUMA, Mikio Professor School of Science	Apr 1, 2016～ Mar 31, 2018	Kanto Tokyo
BOURNE, C. J. AUSTRALIA	Topological phases of matter	Tohoku University KOTANI, Motoko Professor Graduate School of Science	Nov 15, 2016～ Nov 14, 2018	Tohoku Miyagi
KELS, A. P. AUSTRALIA	elliptic hypergeometric integrals in classical/quantum integrable models	The University of Tokyo KUNIBA, Atsuo professor Graduate School of Arts and Sciences	Nov 14, 2016～ Nov 13, 2018	Kanto Tokyo
LI, H. CHINA	First-principles study of atomic structures and electronic properties of functional interfaces	Tohoku University IKUHARA, Yuichi Professor Advanced Institute for Materials Research	Apr 1, 2016～ Mar 31, 2018	Tohoku Miyagi
LI, Z. CHINA	Time evolution of topological magneto-optics and superconducting qubits	RIKEN NORI, Franco Group Director Center for Emergent Matter Science	Sep 30, 2016～ Sep 29, 2018	Kanto Saitama
LIN, X. CHINA	Application of Mirror extensions of vertex operator algebra using the theory of Hopf algebra	University of Tsukuba MIYAMOTO, Masahiko Professor Faculty of Pure and Applied Sciences	Jul 31, 2016～ Jul 30, 2017	Kanto Ibaraki
LIU, Y. CHINA	Mathematical analysis and applications of crystal growth and anomalous diffusion	The University of Tokyo YAMAMOTO, Masahiro Professor Graduate School of Mathematical Sciences	Nov 1, 2016～ Oct 31, 2018	Kanto Tokyo
PU, S. CHINA	Quantum Real-time Dynamics of the Chiral Magnetic Effect	The University of Tokyo FUKUSHIMA, Kenji Associate Professor Graduate School of Science	Nov 7, 2016～ Nov 6, 2018	Kanto Tokyo

YI, S. CHINA	Geodynamic study of time-variable ocean mass changes from satellite gravimetry and altimetry	Hokkaido University HEKI, Kosuke Professor Faculty of Science, Department of Earth and Planetary Sciences	Oct 30, 2016～ Oct 29, 2018	Hokkaido Hokkaido
ZHANG, F. CHINA	A study on cloud-precipitation system evolution using Himawari-8 satellite observations	Tohoku University IWABUCHI, Hironobu Associate Professor Graduate School of Science	May 25, 2016～ May 24, 2018	Tohoku Miyagi
ZHENG, Y. CHINA	Probing new physics beyond the standard model via Higgs and flavor physics at future experiments	University of Toyama KANEMURA, Shinya Associate Professor Graduate School of Science and Engineering for Research	Nov 1, 2016～ Oct 31, 2018	Chubu Toyama
CORTES SUA, M. L. COLOMBIA	Shell evolution around neutron-rich Calcium isotopes and study of the N=34 shell gap	RIKEN SAKURAI, Hiroyoshi Chief Scientist Nishina Center for Accelerator-Based Science	Sep 23, 2016～ Sep 22, 2018	Kanto Saitama
BACHMANN, H. GERMANY	A study on the algebraic and geometric aspect of multiple zeta values and multiple Eisenstein series	Nagoya University FURUSHO, Hidekazu Associate Professor Graduate School of Mathematics	Apr 2, 2016～ Apr 1, 2018	Chubu Aichi
FERNANDEZ-MELGAREJO, J. J. SPAIN	The vacua structure of non-geometric flux compactification throughout Double/Exceptional Field Theory	Kyoto University SUGIMOTO, Shigeki Professor Yukawa Institute for Theoretical Physics	Sep 30, 2016～ Sep 29, 2018	Kinki Kyoto
PASTOR-GALAN, D. SPAIN	Tectonic reconstruction of the Interface between Panthalassa and Paleotethys oceans	Tohoku University TSUJIMORI, Tatsuki Professor Center for Northeast Asian Studies	Sep 30, 2016～ Sep 29, 2018	Tohoku Miyagi
HAAPASALO, E. T. FINLAND	Incompatible Quantum Devices and Preordered Quantum Structures	Kyoto University MIYADERA, Takayuki Associate Professor Department of Nuclear Engineering	Apr 15, 2016～ Apr 14, 2018	Kinki Kyoto
ARZOUMANIAN, D. FRANCE	Herschel and Planck observations of Filamentary Molecular Clouds and Theory of Star Formation	Nagoya University INUTSUKA, Shu-ichiro Professor Graduate School of Science	Sep 27, 2016～ Sep 26, 2018	Chubu Aichi

BOROWIAK, A. S. FRANCE	Size and shape effect of BiFe03 nanodots investigated by electrical SPM	Osaka University TANAKA, Hidekazu Professor The Institute of Scientific and Industrial Research	Sep 28, 2016～ Sep 27, 2018	Kinki Osaka
LANGLET, D. J. FRANCE	Foraminiferal activity and anaerobic metabolism in coastal anoxic environment	JAMSTEC NOMAKI, Hidetaka Senior Scientist Department of Biogeochemistry	Jul 11, 2016～ Jul 10, 2018	Kanto Kanagawa
MOUSSARD, D. M. FRANCE	Finite type invariants and quantum invariants of three-dimensional manifolds and their knots	Kyoto University OHTSUKI, Tomotada Professor Research Institute for Mathematical Sciences	Sep 1, 2016～ Aug 31, 2018	Kinki Kyoto
BROWNE, F. UNITED KINGDOM	Single-particle structures around the doubly magic 100Sn and 132Sn	RIKEN SAKURAI, Hiroyoshi Chief Scientist Nishina Center for Accelerator-Based Science	Nov 1, 2016～ Oct 31, 2018	Kanto Saitama
BOREDDY, R. S. INDIA	Long-term observation of aerosol water content, hygroscopic growth and CCN activity over the Pacific	Hokkaido University KAWAMURA, Kimitaka Professor Emeritus Institute of Low Temperature Science	Apr 1, 2016～ Mar 31, 2018	
CHATTERJEE, C. INDIA	Topological Solitons and Non-perturbative Phenomena in Field Theory	Keio University NITTA, Muneto Associate Professor Faculty of business and commerce	Oct 1, 2016～ Sep 30, 2018	Kanto Kanagawa
JHA, R. INDIA	Unconventional quantum magnetic fluctuations realized in two-dimensional exotic superconductors	Tokyo Metropolitan University AOKI, Yuji Professor Graduate School of Science and Engineering	May 2, 2016～ May 1, 2018	Kanto Tokyo
NAIR, R. INDIA	Advanced data analyses for gravitational waves	Kyoto University TANAKA, Takahiro Professor Graduate School of Science	Aug 23, 2016～ Aug 22, 2018	Kinki Kyoto
ELYASI, M. IRAN	Quantum coherence in spintronics (theory)	Tohoku University BAUER, Gerrit Professor Institute for Materials Research	Nov 30, 2016～ Nov 29, 2018	Tohoku Miyagi

BOSSINI, D. ITALY	Ultrafast control of order parameter in antiferromagnetic dielectrics by exciton-magnon interactions	The University of Tokyo YUMOTO, Junji Professor Graduate School of Science	Sep 1, 2016～ Aug 31, 2018	Kanto Tokyo
PISCAGLIA, S. ITALY	Integrability in the analysis and computation of scattering amplitudes/Wilson loops in gauge theories	Tokyo Institute of Technology ITO, Katsushi Professor Graduate school of Science, Department of Physics	Sep 1, 2016～ Aug 31, 2018	Kanto Tokyo
TURRIZIANI, S. ITALY	Study and development of detector techniques and algorithms from Ultra-high energy cosmic rays to radiation detection for Fukushima accident	RIKEN EBISUZAKI, Toshikazu Chief Scientist Computational Astrophysics Laboratory	Sep 1, 2016～ Aug 31, 2018	Kanto Saitama
CHO, S. KOREA (REP. OF KOREA)	Research on local density of quadratic and hermitian forms	Kyoto University IKEDA, Tamotsu professor Graduate school of science	Sep 29, 2016～ Sep 28, 2018	Kinki Kyoto
KIM, D.	Realization of giant spin motive force	Kyoto University ONO, Teruo Professor Institute for Chemical Research	Sep 29, 2016～ Sep 28, 2018	Kinki Kyoto

KOREA (REP. OF KOREA)				
BOLD, U. MONGOLIA	Study on the assembly of the Asian continent: anatomy of Central Asian Orogenic Belt	The University of Tokyo ISOZAKI, Yukio professor Graduate School of Arts and Sciences	Oct 24, 2016～ Jan 23, 2019	Kanto Tokyo
DAO, T. D. VIET NAM	Atomic-scale two-dimensional heat-electricity transducer for thermal energy harvesting	National Institute for Materials Science NAGAO, Tadaaki Group Leader International Center for Materials Nanoarchitectonics	Nov 28, 2016～ Nov 27, 2018	Kanto Ibaraki
DINH, T. VIET NAM	Development and Application of High repetition Soft X-ray Laser	National Institutes for Quantum and Radiological Science and Technology NISHIKINO, Masaharu Deputy Group Leader Department of Advanced Photon Research	Apr 1, 2016～ Mar 31, 2018	Kinki Kyoto
HUYNH, T. D. VIET NAM	Constructions of hyperbolic hypersurfaces of low degree in projective spaces	Osaka University YAMANOI, Katsutoshi Professor Graduate School of Science	Oct 17, 2016～ Oct 16, 2018	Kinki Osaka
LE, P. Q. VIET NAM	Photocarrier dynamics in solution-processed kesterite and perovskite solar cells	Kyoto University KANEMITSU, Yoshihiko Professor Institute for Chemical Research	Apr 1, 2016～ Mar 31, 2018	Kinki Kyoto