

JSPS Postdoctoral Fellowship for Overseas Researcher

FY 2020 Mathematical and physical sciences

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
PAGE, M. A. AUSTRALIA	Exploring the hidden universe with enhanced broadband detection of neutron star gravitational waves	ASO, Yoichi Associate Professor National Astronomical Observatory of Japan	Nov 30, 2020~ Nov 29, 2022	Kanto Tokyo
NEYT, L. M. BELGIUM	Wavelet methods for regularity properties and asymptotic behavior of functions	Chuo University MATSUYAMA, Tokio Professor Faculty of Science and Engineering	May 1, 2021~ Apr 30, 2022	Kanto Tokyo
CHANG, C. CANADA	Microwave quantum optics with tunable cavity resonators and superconducting qubits	The University of Tokyo NAKAMURA, Yasunobu Professor Research Center for Advanced Science and Technology	Jul 1, 2020~ Jun 30, 2022	Kanto Tokyo
FU, M. CANADA	Experimental Study of Novel Quantum Phases and Criticality in Multipolar Kondo Materials	The University of Tokyo NAKATSUJI, Satoru Professor Graduate School of Science	Apr 25, 2020~ Apr 24, 2022	Kanto Tokyo
TSANG, M. CANADA	Age and Origin of Hot Fluid in the Nankai Subduction Margin- Implications from barite mineralization	Kobe University YAMAMOTO, Yuzuru Professor Graduate School of Science	Nov 29, 2020~ Nov 28, 2022	Kinki Hyogo
FENG, Z. CHINA	Experimental study of topological phases in strongly correlated systems	The University of Tokyo NAKATSUJI, Satoru Professor Graduate School of Science	Sep 2, 2020~ Sep 1, 2022	Kanto Tokyo
FU, S. CHINA	High Pressure and Temperature Melting Behavior of Bridgmanite in the Earth's Lower Mantle	The University of Tokyo HIROSE, Kei professor Graduate School of Science	Jun 1, 2021~ May 31, 2023	Kanto Tokyo
HU, Y. CHINA	Probing and controlling topological superconductivity under vector magnetic field and pressure	Kyoto University YONEZAWA, Shingo Associate Professor Graduate School of Science	Aug 1, 2020~ Jul 31, 2022	Kinki Kyoto

HUANG, X. CHINA	Inverse problems for time-fractional partial differential equations and related topics	The University of Tokyo YAMAMOTO, Masahiro Professor Graduate School of Mathematical Sciences	Oct 1, 2020～ Sep 30, 2022	Kanto Tokyo
MAO, Y. CHINA	Strong Gallai-Ramsey theory in graphs and its application	Yokohama National University OZEKI, Kenta Associate Professor Faculty of Environment and Information Sciences	Apr 8, 2021～ Apr 7, 2023	Kanto Kanagawa
WANG, G. CHINA	Study of Exotic Tetra-Quark System with ab-initio Calculation	Japan Atomic Energy Agency OKA, Makoto Director General Advanced Science Research Center, NSRI, Sector of Nuclear Science Research	Nov 17, 2020～ Nov 16, 2022	Kanto Ibaraki
WEI, H. CHINA	Harmonic analysis of the universal Teichmueller space	Waseda University MATSUZAKI, Katsuhiko Professor Faculty of Education and Integrated Arts and Sciences	Jan 20, 2021～ Jan 19, 2023	Kanto Tokyo
ZHANG, M. CHINA	Geochemical studies on volcanic hydrothermal system in Tibetan Plateau	The University of Tokyo SANO, Yuji Professor Atmosphere and Ocean Research Institute	Dec 2, 2020～ May 1, 2023	Kanto Chiba
ZHU, J. CHINA	Noise-induced firings in high-dimensional neuronal dynamical systems and large-scale networks	Tokyo Institute of Technology NAKAO, Hiroya Professor School of Engineering	Nov 22, 2020～ Nov 21, 2022	Kanto Tokyo
ZHU, M. CHINA	Asymptotic Behavior of Path-Dependent Jump Diffusion	Shinshu University XIE, BIN Associate Professor Faculty of Science	Jun 25, 2021～ Jun 24, 2023	Chubu Nagano
MOELLER, S. GERMANY	Construction and classification of VOAs related to 2- and 4-dimensional conformal field theories	Kyoto University ARAKAWA, Tomoyuki Professor Research Institute for Mathematical Sciences	Nov 1, 2020～ Oct 31, 2022	Kinki Kyoto
WINKLER, D. E. GERMANY	New frontiers in dental microwear texture analysis: towards reconstruction of dinosaur paleoecology	The University of Tokyo KUBO, Mugino Lecturer Graduate School of Frontier Sciences	Nov 9, 2020～ Nov 8, 2022	Kanto Chiba

ELIZAGA NAVASCUES, B. SPAIN	Testing quantum gravity with cosmological perturbations	Waseda University TSUJIKAWA, Shinji Professor School of Advanced Science and Engineering, Department of physics	Nov 16, 2020~ Nov 15, 2022	Kanto Tokyo
SALONEN, I. S. FINLAND	Activity, function and importance of endobiotic bacteria in deep-sea benthic foraminiferal ecology	JAMSTEC NOMAKI, Hidetaka Senior Scientist Institute for Extra-cutting-edge Science and Technology Avant-garde Research	Jan 2, 2021~ Jan 1, 2023	Kanto Kanagawa
EISENMANN, M. FRANCE	Design of the squeezing injection system and commissioning of KAGRA to improve its sensitivity	LEONARDI, Matteo Assistant Professor National Astronomical Observatory of Japan	Nov 30, 2020~ Nov 29, 2022	Kanto Tokyo
FINSKI, S. FRANCE	Research on analytic torsion and geometric analysis	Kyoto University YOSHIKAWA, Ken-Ichi Professor Graduate School of Science	Sep 25, 2021~ Sep 24, 2023	Kinki Kyoto
LACOMBE, T. FRANCE	Geometry and Statistics on Optimal Partial Transport spaces and applications to Topological Descriptors.	Kyoto University HIRAOKA, Yasuaki Professor Institute for Advanced Study	May 10, 2021~ May 9, 2023	Kinki Kyoto
LETURCQ, D. FRANCE	High-dimensional long knot invariants from configuration space techniques	Kyoto University OHTSUKI, Tomotada Professor Research Institute for Mathematical Sciences	Oct 27, 2020~ Oct 26, 2022	Kinki Kyoto
MOUTERDE, T. M. FRANCE	Nanofluidics with advanced optical spectroscopy	The University of Tokyo IDEGUCHI, Takuro Associate Professor Institute for Photon Science and Technology, School of Science	Apr 1, 2020~ Mar 31, 2022	Kanto Tokyo
RIGON, G. FRANCE	Global 3D MHD simulations of young SNR interacting with molecular clouds	Nagoya University INOUE, Tsuyoshi Associate Professor Graduate School of Science	Nov 21, 2020~ Nov 20, 2022	Chubu Aichi
TETARD, M. FRANCE	A radiolarian database for automated recognition using CNNs and paleoenvironmental reconstructions.	Kyushu University OKAZAKI, Yusuke Associate Professor Faculty of Science	Jul 29, 2021~ Jul 28, 2023	Kyushu Fukuoka

BEDFORD, J. D. UNITED KINGDOM	What depths does thermal pressurization operate as a fault weakening mechanism and trigger large earthquakes in subduction zones?	JAMSTEC HIROSE, Takehiro Senior Scientist Kochi Institute for Core Sample Research	Nov 30, 2020~ Nov 29, 2022	Shikoku Kochi
GLASS, P. E. UNITED KINGDOM	Exploring the space of Resurgent functions appearing in physics, and their applications.	Keio University FUJIMORI, Toshiaki Assistant Professor Faculty of Business and Commerce	Nov 28, 2020~ Nov 27, 2022	Kanto Kanagawa
PALLISTER, J. UNITED KINGDOM	Affine cluster algebras as dynamical systems, surface triangulations, quiver representations and friezes.	Chiba University INOUE, Rei Professor Graduate School of Science	Dec 21, 2020~ Dec 20, 2022	Kanto Chiba
KORUMILLI, S. INDIA	Non-local theories and their cosmological implications	Tokyo Institute of Technology YAMAGUCHI, Masahide Professor School of Science	Nov 24, 2020~ Nov 23, 2022	Kanto Tokyo
MASUTI, S. S. INDIA	Transient rheology of upper mantle by the postseismic deformation of the 2011 Tohoku-Oki earthquake	Tohoku University MUTO, Jun Associate Professor Department of Earth Science, Graduate School of Science	Dec 10, 2020~ Dec 9, 2022	Tohoku Miyagi
GUBBIOTTI, G. ITALY	Higher-dimensional integrable discrete equations: derivation and geometry	The University of Tokyo SAKAI, Hidetaka Associate Professor Graduate School of Mathematical Sciences	Apr 26, 2021~ Apr 25, 2023	Kanto Tokyo
EOM, J. KOREA (REP. OF KOREA)	Asymptotic expansions of ODE type solutions and their related inverse problems	The University of Tokyo ISHIGE, Kazuhiro Professor	Oct 1, 2020~ Sep 30, 2022	Kanto Tokyo
LEE, J. KOREA (REP. OF KOREA)	Stability in non-Archimedean dynamical systems	Tokyo Institute of Technology KAWAHIRA, Tomoki Associate professor School of Science	Apr 1, 2020~ Mar 31, 2022	Kanto Tokyo
LASICA, M. POLAND	Mathematical analysis of gradient flows of anisotropic total variation and perimeter	The University of Tokyo GIGA, Yoshikazu Professor Graduate School of Mathematical Sciences	Oct 29, 2020~ Oct 28, 2021	Kanto Tokyo

CHERTKOVA, N. V. RUSSIA FEDERATION	Behavior of light-element fluids in planetary interiors at high pressures and high temperatures.	Osaka University KONDO, Tadashi Professor Graduate School of Science	Nov 27, 2020~ Nov 26, 2022	Kinki Osaka
SURIANO, S. S. U.S.A.	The evolution of gas and dust in planet-forming disks	The University of Tokyo SUZUKI, Takeru Professor Graduate School of Arts and Sciences	Apr 1, 2020~ Jul 10, 2020	Kanto Tokyo
WELLER, D. J. U.S.A.	Experimental constraints on amphibole growth to elucidate pre-eruptive processes of hydrous magmas	National Institute of Advanced Industrial Science and Technology TOMIYA, Akihiko Senior Researcher Research Institute of Earthquake and Volcano Geology	May 13, 2021~ May 12, 2023	Kanto Ibaraki
LE, H. B. VIET NAM	Nonlocal quantum metrology based on entanglement and weak measurement	Tohoku University EDAMATSU, Keiichi Professor Research Institute of Electrical Communication	Apr 1, 2020~ Mar 31, 2022	Tohoku Miyagi