

# FY2014

## JSPS Postdoctoral Fellowship for Foreign Researcher

Field: **Mathematical and Physical Sciences**

Note:

- Regions and prefectures are listed in right-hand column.
- Scroll down to find map of regions and prefectures.

JSPS Postdoctoral Fellowship for Foreign Researcher  
(FY 2005 Humanities and Social Sciences)

Name (Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
AAKRE, B. M.  NORWAY	Design and Entrepreneurship Education in Japan and Norway	Hokkaido Tokai University  KAWASAKI, Kazuhiko Professor <small>School of International Cultural Relations</small>	Nov. 1, 2005— Feb. 28, 2007	Hokkaido Hokkaido
ABDUL, W.  PAKISTAN	Public Debt Burden and Slow Economic Growth: A Case Study of Severely Indebted Low Income Country	University of Nagoya  EZAKI, Mitsuo Professor <small>Graduate School of International Development</small>	Apr. 1, 2005— Mar. 31, 2007	Chubu Aichi
AKSARTOVA, S.	The Impact of the End of the Cold War on Japan's	Hosei University  MORIMOTO, Nobuyuki Professor <small>Faculty of International Studies</small>	Nov. 1, 2005— Oct. 31, 2006	Kanto Tokyo

Region  
Prefecture

Hokkaido  
Hokkaido

Chubu  
Aichi

Kanto  
Tokyo

JSPS Postdoctoral Fellowship for Foreign Researcher

FY 2014 Mathematical and Physical Sciences

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
ANWAR, M. S.  PAKISTAN	Novel Superconducting Junctions Consisting of Spin-Triplet Superconductor and Ferromagnet	Kyoto University MAENO, Yoshiteru Professor Graduate School of Science	Nov. 30, 2014~ Nov. 29, 2016	Kinki Kyoto
AXELSSON, M.  SWEDEN	Understanding black hole accretion using new X-ray satellite data: Suzaku and Astro-H	Tokyo Metropolitan University OHASHI, Takaya Professor Faculty of Science and Engineering	Dec. 4, 2014~ Dec. 3, 2016	Kanto Tokyo
BLASCHKE, F.  CZECH	Dynamical realization of the brane world scenario and understanding of brane dynamics by topological solitons	Yamagata University ETO, Minoru Associate Professor Faculty of Science	Nov. 29, 2014~ Nov. 28, 2016	Tohoku Yamagata
BOREDDY, R. S.  INDIA	Long-term measurements for the hygroscopicity of remote marine aerosols in the western North Pacific	Hokkaido University KAWAMURA, Kimitaka Professor Institute of Low Temperature Science	Apr. 1, 2014~ Mar. 31, 2016	Hokkaido Hokkaido
CALLAND, R.  UNITED KINGDOM	Combining T2K Beam and SK Atmospheric Data to Constrain the Neutrino Mass Hierarchy and CP Violation	The University of Tokyo MARTENS, Kai Associate Professor Kavli Institute for the Physics and Mathematics of the Universe	Nov. 2, 2014~ Nov. 1, 2016	Kanto Chiba
CAO, S. V.  VIET NAM	The precision measurement of neutrino oscillations with the T2K experiment	Kyoto University NAKAYA, Tsuyoshi Professor Graduate School of Science	Nov. 17, 2014~ Nov. 16, 2016	Kinki Kyoto
CHIARI, L.  ITALY	Studies of inner-shell ionization by positronium impact	Tokyo University of Science NAGASHIMA, Yasuyuki Professor Faculty of Science Division II	May. 15, 2014~ May. 14, 2016	Kanto Tokyo
CLARK, N. A.  UNITED KINGDOM	A high-resolution palaeoenvironmental study of the Uturuncu volcano palaeolake, Bolivia	Nagoya University WALLIS, Simon Professor Graduate School of Environmental Studies	Nov. 25, 2014~ Nov. 24, 2016	Chubu Aichi

JSPS Postdoctoral Fellowship for Foreign Researcher

FY 2014 Mathematical and Physical Sciences

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
DESHMUKH, D. K.  INDIA	Size distributions of organic compounds in marine aerosols over the western North Pacific	Hokkaido University KAWAMURA, Kimitaka Professor Institute of Low Temperature Science	Sep. 1, 2014~ Aug. 31, 2016	Hokkaido Hokkaido
FRITTAION, E.  ITALY	Reverse mathematics and combinatorics	Tohoku University TANAKA, Kazuyuki Professor Graduate School of Science	Nov. 20, 2014~ Nov. 19, 2016	Tohoku Miyagi
JAERISCH, J. K.  GERMANY	Thermodynamic formalism and geometry of Kleinian groups	Waseda University MATSUZAKI, Katsuhiko Professor Faculty of Education and Integrated Arts and Sciences	Nov. 1, 2014~ Oct. 31, 2016	Kanto Tokyo
KIM, S.  KOREA (REP. OF KOREA)	Study on current-induced domain wall motion with Dzyaloshinskii-Moriya interaction	Kyoto University ONO, Teruo Professor Institute for Chemical Research	Oct. 1, 2014~ Sep. 30, 2016	Kinki Kyoto
KISS, G. G.  HUNGARY	The measurement of $\beta$ -delayed neutron emission probabilities for neutron-rich unstable nuclei (BRIKENcollaboration) will provide information for modeling the astrophysical r process	RIKEN SAKURAI, Hiroyoshi Chief Scientist Nishina Center for Accelerator-Based Science	Nov. 30, 2014~ Nov. 29, 2016	Kanto Saitama
KWON, J.  KOREA (REP. OF KOREA)	A Study of Protoplanetary Disks with high-resolution circular polarimetry	The University of Tokyo TAMURA, Motohide Professor Graduate School of Science	Apr. 1, 2014~ Mar. 31, 2016	Kanto Tokyo
LARSSON, E. O.  SWEDEN	Radiation protection by utilization of space grade particle astrophysics detector techniques	RIKEN CASOLINO, Marco Team Leader EUSO Team	Oct. 16, 2014~ Oct. 15, 2016	Kanto Saitama
LEE, J.-H.  KOREA (REP. OF KOREA)	The generalized Terwilliger algebra of a distance-regular graph and a double affine Hecke algebra	Tohoku University TANAKA, Hajime Associate Professor Graduate School of Information Sciences	Aug. 20, 2014~ Aug. 19, 2016	Tohoku Miyagi

JSPS Postdoctoral Fellowship for Foreign Researcher

FY 2014 Mathematical and Physical Sciences

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
LIU, X.  CHINA	Investigating threshold phenomena in hadronic effective field theories	Tokyo Institute of Technology OKA, Makoto Professor Graduate School of Science and Engineering	Nov. 5, 2014~ Nov. 4, 2016	Kanto Tokyo
MENENDEZ SANCHEZ, J.  SPAIN	Precision nuclear calculations for dark matter searches, double-beta decay and exotic nuclei	The University of Tokyo OTSUKA, Takaharu Professor Graduate School of Science	Nov. 25, 2014~ Nov. 24, 2016	Kanto Tokyo
PALFIA, M.  HUNGARY	Gradient flows in metric spaces and applications	Kyoto University OHTA, Shin-ichi Associate Professor Graduate School of Science	Oct. 1, 2014~ Sep. 30, 2016	Kinki Kyoto
PANKOWSKI, L. A.  POLAND	Universality theory and multiple zeta-functions	Nagoya University MATSUMOTO, Kohji Professor Graduate School of Mathematics	Oct. 27, 2014~ May. 26, 2016	Chubu Aichi
PATEL , N. D.  AUSTRALIA	Exploring matter/anti-matter asymmetry with neutrinos	Kyoto University NAKAYA, Tsuyoshi Professor Graduate School of Science	Oct. 16, 2014~ Oct. 15, 2016	Kinki Kyoto
PAUS, P.  CZECH	Numerical simulation of curve dynamics with application to dislocation dynamics and chemical reactions	Meiji University YAZAKI, Shigetoshi Associate Professor School of science and technology	Sep. 4, 2014~ Sep. 3, 2015	Kanto Kanagawa
PRADHAN, K.  INDIA	Electronic and Magnetic Reconstructions at Transition Metal Oxide Heterointerfaces	RIKEN YUNOKI, Seiji Associate Chief Scientist Computational Condensed Matter Physics Laboratory	Sep. 1, 2014~ Nov. 29, 2014	Kanto Saitama
PURKAIT, S.  INDIA	Arithmetic related to various half-integral weight modular forms	Kyushu University KANEKO, Masanobu Professor Faculty of Mathematics	Sep. 7, 2014~ Sep. 6, 2016	Kyushu Fukuoka

JSPS Postdoctoral Fellowship for Foreign Researcher

FY 2014 Mathematical and Physical Sciences

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
QUACH , J. Q.  AUSTRALIA	Quantum metamaterials	The University of Tokyo OSHIKAWA , Masaki Professor Institute for Solid State Physics	Apr. 24, 2014~ Apr. 23, 2016	Kanto Chiba
QURESHI, A. A.  PAKISTAN	Algebraic and Combinatorial Study on the binomial ideals arising from polyominoes	Osaka University HIBI, Takayuki Professor Graduate School of Information Science and Technology	Nov. 28, 2014~ Nov. 27, 2015	Kinki Osaka
RENOUST, B. A.  FRANCE	Visual analytics of large multi-modal document collections	Research Organization of Information and Systems SATO, Shin'ichi Professor National Institute of Informatics	Sep. 15, 2014~ Sep. 14, 2016	Kanto Tokyo
REPONEN, M. H.  FINLAND	Resonance ionization spectroscopy of exotic tungsten and osmium isotopes	RIKEN WADA, Michiharu Team Leader Nishina Center for Accelerator-Based Science	Aug. 9, 2014~ Aug. 8, 2016	Kanto Saitama
SCAMPS, G.  FRANCE	Many body dynamics with pairing correlation and its application to double particle radioactivities	Tohoku University HAGINO, Kouichi Associate Professor Graduate School of Science	Oct. 2, 2014~ Oct. 1, 2016	Tohoku Miyagi
SEOUGH, J.  KOREA (REP. OF KOREA)	Study of Temperature Anisotropy Versus Beta Inverse Correlation in the Solar Wind	University of TOYAMA NARIYUKI, Yasuhiro Associate Professor Faculty of Human Development	Sep. 28, 2014~ Sep. 27, 2016	Chubu Toyama
STEPHENBECK, D.  UNITED KINGDOM	Investigating the robustness of the new N=34 'magic number' in exotic nuclei beyond Ca-54	RIKEN SAKURAI, Hiroyoshi Chief Scientist Nishina Center for Accelerator-Based Science	Oct. 16, 2014~ Oct. 15, 2016	Kanto Saitama
STUHL, L.  HUNGARY	Study of anti-analog giant dipole resonances on unstable tin isotopes	RIKEN SASANO, Masaki research scientist Nishina Center	Apr. 24, 2014~ Apr. 23, 2016	Kanto Saitama

JSPS Postdoctoral Fellowship for Foreign Researcher

FY 2014 Mathematical and Physical Sciences

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
SUN, Y.  CHINA	Enhancement of Tc and Jc in bulk iron-chalcogenide superconductors	The University of Tokyo TAMEGAI, Tsuyoshi Associate Professor School of Engineering	Jul. 3, 2014~ Jul. 2, 2016	Kanto Tokyo
TIAN, Z.  CHINA	"Single Crystal Study of Quantum Spin Liquid State in Transition Metal Compounds"	The University of Tokyo NAKATSUJI, Satoru Associated Professor Institute for Solid State Physics	Apr. 1, 2014~ Mar. 31, 2016	Kanto Chiba
WANG, M.  CHINA	Study on active thrust, paleoseismology and earthquake hazard in the eastern margin of Tibet Plateau	Kyoto University LIN, Aiming Professor Graduate School of Science	Apr. 28, 2014~ Apr. 27, 2016	Kinki Kyoto
WANG, J.  CHINA	Potential Theory on Non-Local Operators	Kyoto University KUMAGAI, Takashi Professor Research Institute for Mathematical Sciences	Sep. 3, 2014~ Sep. 2, 2016	Kinki Kyoto
WATSON, I. J.  AUSTRALIA	Measurement of the CKM angle $\phi_3$ with the Belle II detector at Super KEKB	The University of Tokyo AIHARA, Hiroaki Professor Graduate School of Science	Sep. 1, 2014~ Aug. 31, 2016	Kanto Tokyo
WIRMVEM, M. J.  CAMEROON	Characterization of water resources in the urban cities of Douala and Yaounde in Cameroon	Tokai University OHBA, Takeshi Professor School of Science	Oct. 1, 2014~ Sep. 30, 2016	Kanto Kanagawa
WU, R.  TAIWAN	Cross-correlations of the star-formation tracers between Spitzer, AKARI, and Herschel	The University of Tokyo ONAKA, Takashi Professor Graduate School of Science	Jun. 14, 2014~ Jun. 13, 2016	Kanto Tokyo
YAN, W.  CHINA	Development and applications of submanifold geometry	Tohoku University MIYAOKA, Reiko Professor Graduate School of Science	Aug. 30, 2014~ Aug. 29, 2016	Tohoku Miyagi

JSPS Postdoctoral Fellowship for Foreign Researcher

FY 2014 Mathematical and Physical Sciences

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
ZAMBELLI, L.          FRANCE	Work on the T2K neutrino beamline and flux predictions for improved oscillation measurements	High Energy Accelerator Research Organization HASEGAWA, Takuya Professor Institute of Particle and Nuclear Studies	Apr. 12, 2014~  Apr. 11, 2016	Kanto Ibaraki
ZHANG, P.          CHINA	Majorana fermions in nanowires and their potential device applications	RIKEN NORI, Franco Group Director Center for Emergent Matter Science	Oct. 1, 2014~  Sep. 30, 2016	Kanto Saitama