

FY2013

JSPS Postdoctoral Fellowship for Foreign Researcher

Field: **Mathematical and Physical Sciences**

Note:

- Regions and prefectures are listed in right-hand column.
- Regional and prefectural maps are available on the top page.

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 <i>School of International Cultural Relations</i>	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 <i>Graduate School of International Development</i>	Apr. 1, 2005— Mar. 31, 2007	Chubu Aichi
AKSARTOVA, S.	The Impact of the End of the Cold War on Japan's	Hosei University KAWASAKI, Nobuyuki	Nov. 1, 2005— Oct. 31, 2006	Kanto Tokyo

Region
Prefecture

Hokkaido
Hokkaido

Chubu
Aichi

Kanto
Tokyo

JSPS Postdoctoral Fellowship for Foreign Researcher

FY 2013

Mathematical and Physical Sciences

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AL ASSADI, M. H. AUSTRALIA	Theoretical investigations on thermoelectric performance of cobaltites for waste heat recovery	Osaka University YOSHIDA, Hiroshi Professor Graduate School of Engineering Science	Nov. 25, 2013~ Nov. 24, 2015	Kinki Osaka
AYZENBERG, A. RUSSIA FEDERATION	Topology of moment-angle complexes and combinatorics of polytopes	Osaka City University MASUDA, Mikiya Professor Faculty of Science	Sep. 23, 2013~ Sep. 22, 2015	Kinki Osaka
BENOMAR, O. M. FRANCE	Asteroseismology of Red Giants in Space Mission Era	The University of Tokyo SHIBAHASHI, Hiromoto Professor Graduate School of Science	Oct. 21, 2013~ Oct. 20, 2015	Kanto Tokyo
BISWAS, M. H. INDIA	Comparative study between TL, OSL, and ESR techniques to date tephra up to 1 million years old	Okayama University of Science TOYODA, Shin Professor Faculty of Science	Nov. 10, 2013~ Nov. 9, 2015	Chugoku Okayama
BORZENETS, I. V. U.S.A.	Superconductor-graphene based quantum entangler	The University of Tokyo TARUCHA, Seigo Professor School of Engineering	Apr. 1, 2013~ Mar. 31, 2015	Kanto Tokyo
DAINOTTI, M. G. ITALY	The aim is to find a theoretical explanation of the luminosity time correlation in GRB afterglows	RIKEN NAGATAKI, Shigehiro Associate Chief Scientist Astrophysical Big Bang Laboratory	Nov. 10, 2013~ Nov. 9, 2015	Kanto Saitama
FEL, H. CHINA	Rheology of ringwoodite and perovskite at high pressure: implication to the stagnation of the slab	Okayama University YAMAZAKI, Daisuke associate professor Institute for Study of the Earth's Interior	Nov. 28, 2013~ Nov. 27, 2015	Chugoku Tottori
FRASER, A. D. AUSTRALIA	Intensive Antarctic coastal polynya study: Dense water formation and links with landfast sea ice	Hokkaido University OHSHIMA, Keiichiro Professor Institute of Low Temperature Science	Oct. 16, 2013~ Oct. 15, 2015	Hokkaido Hokkaido

JSPS Postdoctoral Fellowship for Foreign Researcher

FY 2013

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GILBERT, A. R. FRANCE	13C isotopomer distribution in hydrocarbons as a universal indicator of life on Earth	Tokyo Institute of Technology YOSHIDA, Naohiro Professor Interdisciplinary Graduate School of Science and Engineering	Sep. 1, 2013~ Oct. 31, 2013	Kanto Kanagawa
GIRI, P. R. INDIA	PT symmetric quantum integrable systems and non-Hermitian Hamiltonian and non-equilibrium dynamics	Ochanomizu University DEGUCHI, Tetsuo professor Graduate School of Humanities and Sciences	Jun. 10, 2013~ Jun. 9, 2015	Kanto Tokyo
HAMMONDS, M. UNITED KINGDOM	Distribution of Morphologies of Highly Symmetric PAHs in the Diffuse Interstellar Medium	The University of Tokyo ONAKA, Takashi Professor Graduate School of Science	Sep. 30, 2013~ Sep. 29, 2015	Kanto Tokyo
HE, S. CHINA	Holographic Studies of QCD via Entanglement Entropy	Kyoto University TAKAYANAGI, Tadashi Professor Yukawa Institute for Theoretical Physics	Oct. 31, 2013~ Oct. 30, 2015	Kinki Kyoto
HEIDARZADEH-KOLAEI, M. IRAN	Reevaluation of tsunami potential at the Makran subduction zone, northwestern Indian Ocean	The University of Tokyo SATAKE, Kenji Professor Earthquake Research Institute	Nov. 10, 2013~ Nov. 9, 2015	Kanto Tokyo
HYSING, J. S. SWEDEN	Development of new high performance computing (HPC) simulation methods for multiphase fluid flows	Tokyo Institute of Technology AOKI, Takayuki Professor Global Scientific Information and Computing Center	Nov. 25, 2013~ Nov. 24, 2015	Kanto Tokyo
INGEBRIGTSEN, T. S. DENMARK	Does polydispersity affect structure-dynamics-thermodynamics relationships?	The University of Tokyo TANAKA, Hajime Professor Institute of Industrial Science	Oct. 1, 2013~ Sep. 30, 2015	Kanto Tokyo
JUNQUEIRA DE CASTRO BEZERRA, T. BRAZIL	Precise Measurement of Neutrino Oscillation Parameters using Nuclear Reactor Neutrinos	Tohoku University SUEKANE, Fumihiko Associate Professor Research Center for Neutrino Science	Oct. 1, 2013~ Sep. 30, 2015	Tohoku Miyagi

JSPS Postdoctoral Fellowship for Foreign Researcher

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KELLY, S. A. ITALY	Cohomological Hasse principle in the Morel-Voevodsky stable homotopy category	Tokyo Institute of Technology SAITO, Shuji Professor Graduate School of Science and Engineering	Oct. 1, 2013~ Sep. 30, 2015	Kanto Tokyo
KHEDR, M. Z. EGYPT	Origin of mantle heterogeneity: how, to what extent and when?	Kanazawa University ARAI, Shoji Professor Institute of Science and Engineering	Sep. 1, 2013~ Aug. 31, 2014	Chubu Ishikawa
KRAUEL, M. T. U.S.A.	Vertex Operator Algebras and Jacobi Forms	University of Tsukuba MIYAMOTO, Masahiko Professor Faculty of Pure and Applied Science	Jul. 16, 2013~ Jul. 15, 2014	Kanto Ibaraki
KUMAR, N. INDIA	Development of a novel Mott transistor using a solid-state hybrid gate insulator.	National Institute of Advanced Industrial Science and Technology INOUE, Isao Senior Researcher Correlated Electronics Group, Electronics and Photonics Research Institute	Oct. 1, 2013~ Sep. 30, 2015	Kanto Ibaraki
LAJKO, M. HUNGARY	The study of the low energy physics of one and two dimensional magnetic systems	The University of Tokyo OSHIKAWA, Masaki Professor The Institute for Solid State Physics	Nov. 28, 2013~ Nov. 27, 2015	Kanto Chiba
LARSSON, M. L. SWEDEN	Quantum state transfer from single photons to single spins in g-factor engineered quantum dots	The University of Tokyo TARUCHA, Seigo Professor School of Engineering	Oct. 1, 2013~ Sep. 30, 2015	Kanto Tokyo
LEBED, V. FRANCE	Braided homology theory of quandles and its applications to knot theory	Osaka City University KAMADA, Seiichi Professor Graduate School of Science	Oct. 1, 2013~ Sep. 30, 2014	Kinki Osaka
LEE, S.-H. CHINA	Theoretical Study on Non-Equilibrium Physics in Supernova Remnants	RIKEN NAGATAKI, Shigehiro Associate Chief Scientist Astrophysical Big Bang Laboratory	Apr. 1, 2013~ Mar. 31, 2015	Kinki Kyoto

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MARX, F. G. AUSTRIA	Tempo and mode of the diversification and disparification in the evolution of mysticetes	The National Science Museum KOHNO, Naoki Chief Curator Department of Geology and Paleontology	Oct. 11, 2013~ Oct. 10, 2015	Kanto Ibaraki
MCINTOSH, I. UNITED KINGDOM	Understanding silicic submarine eruptions using volatile concentration gradients in glass	Japan Agency for Marine-Earth Science and Technology NICHOLS, Alexander Scientist Institute for Research on Earth Evolution (IFREE)	Nov. 30, 2013~ Nov. 29, 2015	Kanto Kanagawa
MIHALIKOVA, M. SLOVAKIA	Study of gravity waves through high resolution GCM and MST/IS radar observations	The University of Tokyo SATO, Kaoru Professor Graduate School of Science	Aug. 19, 2013~ Aug. 18, 2015	Kanto Tokyo
NGUYEN, T. T. VIET NAM	Topological study of singularities at infinity of polynomial and mixed polynomial maps	Tohoku University ISHIKAWA, Masaharu Associate Professor Graduate School of Science	Jul. 16, 2013~ Jul. 15, 2015	Tohoku Miyagi
PALGE, V. ESTONIA	Relativistic effects in quantum information theory	Nagoya University OZAWA, Masanao Professor Graduate School of Information Science	Nov. 14, 2013~ Nov. 13, 2015	Chubu Aichi
PELUPESSY, F. N. NETHERLANDS	Concrete Mathematical incompleteness from Weak to Strong	Tohoku University TANAKA, Kazuyuki Professor Mathematical Institute	Oct. 17, 2013~ Oct. 16, 2015	Tohoku Miyagi
RAFFAELLI, B. FRANCE	Tensor models approach to Quantum Gravity and other closely related topics	Kyoto University SASAKURA, Naoki Associate Professor Yukawa Institute for Theoretical Physics	Oct. 1, 2013~ Sep. 30, 2015	Kinki Kyoto
SCHWIER, E. F. GERMANY	Structural, electronic and magnetic properties of intercalated topological insulators	Hiroshima University SHIMADA, Kenya Professor Synchrotron Radiation Center	Oct. 1, 2013~ Sep. 30, 2015	Chugoku Hiroshima

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SKRZYPEK, E. FRANCE	Heat sources & material transfers in the crust: insights from accessory minerals and trace elements	Kyoto University HIRAJIMA, Takao Professor Graduate School of Science	May. 1, 2013~ Apr. 30, 2015	Kinki Kyoto
WANG, L. CHINA	Dynamics, predictability and long-term modulations of the East Asian winter monsoon variability	The University of Tokyo NAKAMURA, Hisashi Professor Research Center for Advanced Science and Technology	Sep. 1, 2013~ Aug. 31, 2015	Kanto Tokyo
WANG, X. CHINA	Ab initio study on iron behaviors in silicate perovskite and post-perovskite	Ehime University TSUCHIYA, Taku Professor Geodynamics Research Center	Apr. 1, 2013~ Mar. 31, 2015	Shikoku Ehime
WANG, D. CHINA	Fast Estimate of Rupture Process of Large Earthquakes via Real Time Hi-net Data	The University of Tokyo KAWAKATSU, Hitoshi Professor Earthquake Research Institute	Oct. 1, 2013~ Sep. 30, 2015	Kanto Tokyo
YUMA, S. THAILAND	Early Galaxy Formation and Cosmic Reionization Uncovered by the Next Generation Deep Survey	The University of Tokyo OUCHI, Masami Associate Professor Institute for Cosmic Ray Research	Apr. 1, 2013~ Mar. 31, 2015	Kanto Chiba
ZHOU, Y. CHINA	Attosecond imaging of molecular structure by intense elliptically polarized laser pulse	The University of Electro-Communications WATANABE, Shinichi Professor Graduate School of Informatics Engineering	Nov. 9, 2013~ Nov. 8, 2015	Kanto Tokyo