

JSPS Postdoctoral Fellowship for Overseas Researcher

FY 2016 Engineering

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
HOSSAIN, M. BANGLADESH	Fabrication of cost-effective Organo-lead halide perovskite/nanostructured-ZnO flexible solar cells	University of Toyama OKADA, Hiroyuki Professor Graduate School of Science and Engineering	Nov 26, 2016~ Nov 25, 2018	Chubu Toyama
MIA, M. BANGLADESH	Improvement of Geothermal Exploration Method using Satellite Images	Kyushu University FUJIMITSU, Yasuhiro Professor Faculty of Engineering	Sep 17, 2016~ Sep 16, 2018	Kyushu Fukuoka
AMIRNIA, S. CANADA	Bioremediation methods for treatment of non-ferrous metals and organics in industrial effluents	Saitama University ASAEDA, Takashi Professor Graduate School of Science and Engineering	Oct 2, 2016~ Oct 1, 2018	Kanto Saitama
CHEN, L. CHINA	Low CO2 Emission Power Generation Utilizing Ocean Methane Hydrate:Complex Flow System Study	Tohoku University MARUYAMA, Shigenao Professor Institute of Fluid Science	Apr 1, 2016~ Mar 31, 2018	Tohoku Miyagi
CHEN, X. CHINA	Self-calibration of the optical nano-grid for next-generation ultra-precision nano metrology	Tohoku University SHIMIZU, Yuki Associate Professor Graduate School of Engineering	Nov 26, 2016~ Nov 25, 2018	Tohoku Miyagi
GU, Y. CHINA	Sensor Integration for Autonomous Vehicle Self-Localization in Urban City	The University of Tokyo KAMIJO, Shunsuke Associate Professor Institute of Industrial Science	Oct 1, 2016~ Sep 30, 2018	Kanto Tokyo
HU, R. CHINA	Reducing thermal resistance across interfaces in GaN-based LEDs by phonon engineering	The University of Tokyo SHIOMI, Junichiro Associate Professor School of Engineering	Nov 26, 2016~ Nov 25, 2018	Kanto Tokyo
HU, W. CHINA	Development of high-performance Li2S nanostructured cathode for next-generation Li-ion battery	Osaka University NISHIYAMA, Norikazu Professor Graduate School of Engineering Science	Apr 25, 2016~ Apr 24, 2018	Kinki Osaka

<p>HUANG, W.</p> <p>CHINA</p>	<p>Elucidation of Effects of Excessive Stress on Cartilage and Its Pathogenic Mechanism</p>	<p>The University of Tokyo USHIDA, Takashi Professor School of Engineering</p>	<p>Apr 1, 2016~ Mar 31, 2018</p>	<p>Kanto Tokyo</p>
<p>LI, H.</p> <p>CHINA</p>	<p>Innovative micro-manufacturing technology development of an Mg alloy and its application to micro-forming</p>	<p>Tokyo Metropolitan University MANABE, Ken-ichi Professor GRADUATE SCHOOL OF SCIENCE AND ENGINEERING</p>	<p>Apr 19, 2016~ Apr 18, 2017</p>	<p>Kanto Tokyo</p>
<p>LI, J.</p> <p>CHINA</p>	<p>Development of Cell Multiple Sensing Technique in Microchannel</p>	<p>Chiba University TAKEI, Masahiro Professor Graduate School of Engineering</p>	<p>Sep 1, 2016~ Aug 31, 2018</p>	<p>Kanto Chiba</p>
<p>LIN, J.</p> <p>CHINA</p>	<p>In-situ Study of the Structure and Property Variance in 2D Materials under Excitations</p>	<p>National Institute of Advanced Industrial Science and Technology SUENAGA, Kazutomo Prime senior researcher Nanomaterials Research Institute</p>	<p>Sep 1, 2016~ Aug 31, 2018</p>	<p>Kanto Ibaraki</p>
<p>LU, X.</p> <p>CHINA</p>	<p>Development of a hybrid system for energy production and ammonia removal from waste biomass</p>	<p>Tohoku University LI, Yu-you Professor Graduate School of Engineering</p>	<p>Sep 28, 2016~ Sep 27, 2018</p>	<p>Tohoku Miyagi</p>
<p>QI, H.</p> <p>CHINA</p>	<p>The Collaborative Management System of Computing and Networking Resources for Multimedia Big Data</p>	<p>Nagoya University KATO, Jien Associate Professor Graduate School of Information School</p>	<p>Nov 28, 2016~ Nov 27, 2017</p>	<p>Chubu Aichi</p>
<p>TU, D.</p> <p>CHINA</p>	<p>Development of mechanically induced photonic switch</p>	<p>National Institute of Advanced Industrial Science and Technology XU, Chao-nan Principal Research Manager Advanced Manufacturing Research Institute</p>	<p>Apr 1, 2016~ Sep 30, 2017</p>	<p>Kyushu Saga</p>
<p>WANG, H.</p> <p>CHINA</p>	<p>Structuring hierarchically porous carbon frameworks for high-performance energy storage</p>	<p>National Institute of Advanced Industrial Science and Technology XU, Qiang Chief Senior Researcher Research Institute of Electrochemical Energy, Research Group of Functional Material for Energy</p>	<p>Sep 1, 2016~ Aug 31, 2018</p>	<p>Kinki Osaka</p>
<p>WENG, Q.</p> <p>CHINA</p>	<p>Terahertz Nanoscopy of Non-equilibrium Dynamics</p>	<p>The University of Tokyo KAJIHARA, Yusuke Associate Professor Institute of Industrial Science</p>	<p>Sep 1, 2016~ Aug 31, 2018</p>	<p>Kanto Tokyo</p>

XIA, J. CHINA	Multi-sensor data classification based on ensemble learning: from algorithm to application domain	The University of Tokyo IWASAKI, Akira Professor Research Center for Advanced Science and Technology	May 1, 2016~ Apr 30, 2018	Kanto Tokyo
XIE, J. CHINA	Development of multi-functional protein based nanoparticles for anti-tumor drug delivery	Institute of Industrial Promotion Kawasaki KATAOKA, Kazunori Director-General Innovation Center of NanoMedicine	Sep 1, 2016~ Aug 31, 2018	Kanto Kanagawa
XU, W. CHINA	Development of polymeric nanodevices for imaging and therapy of cancers in parenchymal organs	Tokyo Institute of Technology NISHIYAMA, Nobuhiro Professor Institute of Innovative Research	Sep 17, 2016~ Sep 16, 2018	Kanto Kanagawa
ZHANG, Y. CHINA	Study on Landslide Risk Assessment Considering Earthquake Induced Trampoline Effect	Kyushu University CHEN, Guangqi Professor Faculty of Arts and Science	Sep 8, 2016~ Sep 7, 2018	Kyushu Fukuoka
ZHENG, S. CHINA	Atomic film and Fullerene Nanojunctions for Near-Infrared Photodetector	National Institute for Materials Science TSUKAGOSHI, Kazuhito MANA Principal Investigator International Center for Materials Nanoarchitectonics	Oct 11, 2016~ Oct 10, 2018	Kanto Ibaraki
ORTHEY, A. R. GERMANY	Prediction of Topological Changes in Humanoid Motion Planning	National Institute of Advanced Industrial Science and Technology YOSHIDA, Eiichi Principal Research Manager Intelligent Systems Research Institute	Nov 1, 2016~ Oct 31, 2018	Kanto Ibaraki
MOHAMED, M. B. EGYPT	New functional materials design by mesoporous materials and its application to nano device	National Institute for Materials Science CHIKYOW, Toyohiro Principle Investigator International Center for Materials Nanoarchitectonics	Sep 16, 2016~ Sep 15, 2018	Kanto Ibaraki
GLOPPE, A. FRANCE	Developing quantum transducers with ferroelectric soft modes	The University of Tokyo USAMI, Koji Associate Professor Research Center for Advanced Science and Technology	Oct 1, 2016~ Sep 30, 2018	Kanto Tokyo
LEREAU-BERNIER, M. FRANCE	Development of a microfluidic biochip for hepatic induced pluripotent stem cells differentiation	The University of Tokyo SAKAI, Yasuyuki Professor Institute of Industrial Science	May 16, 2016~ May 15, 2018	Kanto Tokyo

MARECHAL, A. FRANCE	New Diamond field effect devices for high power electronics applications	National Institute for Materials Science KOIZUMI, Satoshi Principal Researcher Environment and Energy Materials Division	Jul 1, 2016~ Jun 30, 2018	Kanto Ibaraki
MEZIL, S. J. FRANCE	Picosecond acoustic computed tomography for nanoscale imaging	Hokkaido University WRIGHT, Oliver bernard Professor Faculty of Engineering	Apr 2, 2016~ Apr 1, 2018	Hokkaido Hokkaido
SAHBAN, I. FRANCE	Shinto shrine and its relationship with its site	Kyoto Institute of Technology NISHIDA, Masatsugu Professor Faculty of Design and Architecture	Jul 1, 2016~ Jun 30, 2018	Kinki Kyoto
CHOW, P. C. UNITED KINGDOM	Integration of organic photodetectors and transistors by inkjet printing	The University of Tokyo SOMEYA, Takao Professor School of Engineering	May 5, 2016~ Nov 30, 2016	Kanto Tokyo
KHAN, S.	Resilient informatics platform for next generation health monitoring of aerospace components	The University of Tokyo YAIRI, Takehisa Associate Professor School of Engineering	Jul 29, 2016~ Jul 28, 2018	Kanto Tokyo

UNITED KINGDOM				
EDDY, L.	A large-scale discrete computational model for deteriorated reinforced concrete structures in Asia	The University of Tokyo NAGAI, Kohei Associate Professor Institute of Industrial Science	Sep 1, 2016~ Aug 31, 2018	
INDONESIA				
ACHARYYA, S. S.	Novel selective benzene-to-phenol oxidation by unprecedented nanostructured basic oxide catalysts	The University of Electro-Communications IWASAWA, Yasuhiro Specially Appointed Professor/ Director Innovation Research Center for Fuel Cells	Apr 1, 2016~ Mar 31, 2018	Kanto Tokyo
INDIA				
GHOSH, S.	Design of Novel Confined Single Site Catalysts for Low-Temperature Selective Activation of C-H Bonds	The University of Electro-Communications IWASAWA, Yasuhiro Specially Appointed Professor/ Director Innovation Research Center for Fuel Cells	Oct 1, 2016~ Sep 30, 2018	Kanto Tokyo
INDIA				
KHAN, P.	Light matter interaction in Magneto-Plasmonics nanostructures	Kyushu University SATO, Takuya Associate Professor Faculty of Science	Nov 1, 2016~ Oct 31, 2018	Kyushu Fukuoka
INDIA				
KUMAR, A.	Study of high-performance liquid chemical hydrogen carrier	National Institute of Advanced Industrial Science and Technology XU, Qiang Chief Senior Researcher Research Institute of Electrochemical Energy, Research Group of Functional Material for Energy	Apr 5, 2016~ Apr 4, 2018	Kinki Osaka
INDIA				
MUNGSE, H. P.	Molecular-level arrangement and analysis of ionic liquid molecules for advanced lubrication	Kyoto University SUGIMURA, Hiroyuki Professor Graduate School of Engineering	Jun 7, 2016~ Jun 6, 2018	Kinki Kyoto
INDIA				
MUNIYAPPAN, R.	Innovative development of platinum group metal recycling by amide modified macrocyclic extractants	Akita University SHIBAYAMA, Atsushi Professor Graduate School of International Resource Sciences	Oct 1, 2016~ Sep 30, 2018	Tohoku Akita
INDIA				
SUBBAIAH, M.	Design of functionalized adsorbents for simultaneous removal of fluoride and arsenite from waters	Kyushu University SASAKI, Keiko Professor Faculty of Engineering	Sep 1, 2016~ Aug 31, 2018	Kyushu Fukuoka
INDIA				
THANGAVEL, S.	Control and reduction of tar emission in coal pyrolysis using a novel downer reactor	Tokyo University of Agriculture and Technology FUSHIMI, Chihiro Associate Professor Institute of Engineering	Apr 14, 2016~ Apr 13, 2018	Kanto Tokyo

INDIA				
UDMALE, P. D.	Modeling implications of droughts impacts to regional and global food security in a changing climate	Kyoto University ICHIKAWA, Yutaka Associate Professor Graduate School of Engineering	Nov 30, 2016~ Nov 29, 2018	Kinki Kyoto
INDIA				
KAMRANZAD, B.	Projection of wave climate and wave energy due to global warming	Kyoto University MORI, Nobuhito Associate Professor Disaster Prevention Research Institute	Nov 28, 2016~ Nov 27, 2018	Kinki Kyoto
IRAN				
KARIMZADEH, S.	Study on Disaster Management System based on Integration of SAR Remote Sensing and GIS Technologies	Tokyo Institute of Technology MATSUOKA, Masashi Associate Professor School of Environment and Society	Nov 11, 2016~ Nov 10, 2018	Kanto Kanagawa
IRAN				
GALLO, P.	Unifield Fracture Mechanics in Micro- and Nano-materials Based on Strain Energy Density Criterion	Kyoto University KITAMURA, Takayuki Professor Graduate School of Engineering	Nov 26, 2016~ Nov 25, 2018	Kinki Kyoto
ITALY				
CHO, J.	Voltage control of exchange interaction and magnetization	Osaka University SUZUKI, Yoshishige Prpfessor Graduate School of Engineering Science	Oct 1, 2016~ Sep 30, 2018	Kinki Osaka
KOREA (REP. OF KOREA)				
CHOI, W.	Development of Thermal Performance and Response Test for Reliable Design of Ground-Source Heat Pump	The University of Tokyo OOKA, Ryoza Professor Institute of Industrial Science	Apr 1, 2016~ Mar 31, 2018	Kanto Tokyo
KOREA (REP. OF KOREA)				
JEON, I.	Development of Full-Carbon Solar Cells	The University of Tokyo MARUYAMA, Shigeo Professor Graduate School of Engineering	May 9, 2016~ May 8, 2018	Kanto Tokyo
KOREA (REP. OF KOREA)				
JI, Y.	A Challenge to Extreme Environments: SLAM and Navigation for Intellectual Exploration Robots	The University of Tokyo YAMASHITA, Atsushi Associate Professor School of Engineering	Apr 1, 2016~ Mar 31, 2018	Kanto Tokyo
KOREA (REP. OF KOREA)				
KIM, J.	Public Transport Service Evaluation and Optimization for a Super-aged Society using IC Card Data	Kyoto University SCHMOCKER, Jan-dirk Associate Professor Graduate School of Engineering	Nov 1, 2016~ Oct 31, 2018	Kinki Kyoto

KOREA (REP. OF KOREA)				
LEE, J. KOREA (REP. OF KOREA)	Virus detection by electrical signal-based multi-sensing channel packed functionalized nanomaterials	Shizuoka University PARK, Enoch y. Professor Research Institute of Green Science and Technology	Sep 24, 2016~ Sep 23, 2018	Chubu Shizuoka
LIM, S. KOREA (REP. OF KOREA)	Effect of High Power Microwave on Mammalian Cells	Kumamoto University KATSUKI, Sunao Professor Institute of Pulsed Power Sciecene	Sep 1, 2016~ Aug 31, 2018	Kyushu Kumamoto
MIN, H. KOREA (REP. OF KOREA)	Development of smart supramolecular assemblies with CRISPR/Cas9 for in vivo delivery	The University of Tokyo MIYATA, Kanjiro Associate Professor Graduate School of Engineering	Sep 1, 2016~ Aug 31, 2018	Kanto Tokyo
PARK, S. KOREA (REP. OF KOREA)	Direct in vitro selection of collagen binding vascular endothelial cell growth factor	RIKEN ITO, Yoshihiro Chief Scientist Nano Medical Engineering Laboratory	Apr 1, 2016~ Mar 31, 2018	Kanto Saitama
SHIN, S. KOREA (REP. OF KOREA)	Deformation mechanism of micro- and nanostructure in ultrahigh-strength multilayer steel composites	The University of Tokyo KOSEKI, Toshihiko Professor School of Engineering	Nov 23, 2016~ Nov 22, 2018	Kanto Tokyo
AMROUSSE, R. MOROCCO	Investigation for Low Toxic Spacecraft Propulsion Subsystem with Green Propellant	Japan Aerospace Exploration Agency HORI, Keiichi Professor Institute of Space and Astronautical Science	Jun 7, 2016~ Jun 6, 2018	Kanto Kanagawa
RAJ BHAT, D. NEPAL	Assessment of Creeping Behavior of Landslides Triggered by 2015 Nepal Earthquake and Aftershocks	Gunma University WAKAI, Akihiko Professor Graduate School of Science and Technology	Oct 28, 2016~ Oct 27, 2018	Kanto Gumma
ADRIANO ORTEGA, B. PERU	Fusion of real-time simulation and remote sensing for tsunami damage estimation to Latin America	Tohoku University KOSHIMURA, Shunichi Professor International Research Institute of Disaster Science	Apr 1, 2016~ Mar 31, 2018	Tohoku Miyagi
BALOIS, M. C.	Magnetic sensing and characterization of metamaterials via a diamond magnetometer at the nanoscale	RIKEN TANAKA, Takuo Team Leader RIKEN Center for Advanced Photonics	Apr 1, 2016~ Mar 31, 2018	Kanto Saitama

PHILIPPINES				
ANUFRIEV, R. RUSSIA FEDERATION	Exploration and realization of novel physics in thermal phononics - Phononic boost effect	The University of Tokyo NOMURA, Masahiro Associate Professor Institute of Industrial Science	Apr 1, 2016~ Mar 31, 2018	Kanto Tokyo
DUSHENKO, S. RUSSIA FEDERATION	Study on spin transport properties in Ge	Kyoto University SHIRAISHI, Masashi Professor Graduate School of Engineering	Apr 1, 2016~ Mar 31, 2018	Kinki Kyoto
CHEN, M.	Development of biodegradable microneedle patch for the treatment of pollinosis by DNA drug	National Institute for Materials Science HANAGATA, Nobutaka Deputy Director General Nanotechnology Innovation Station, Research Network and Facility Service Division	Oct 1, 2016~ Sep 30, 2018	Kanto Ibaraki

TAIWAN				
HUANG, P. TAIWAN	Study on MOS gate stack structures optimum for steep slope MOS Transistors	The University of Tokyo TAKAGI, Shinichi Professor School of Engineering	Sep 21, 2016~ Sep 20, 2018	Kanto Tokyo
WU, Y. TAIWAN	Assessment of regional slopeland hazard considering landform evolution and climate change	Kyoto University NAKAKITA, Eiichi Professor Disaster Prevention Research Institute	Oct 1, 2016~ Sep 30, 2018	Kinki Kyoto
MARTIN, J. D. U.S.A.	Overcoming lung metastases' physical barriers to nanomedicine delivery	The University of Tokyo CABRAL, Horacio Associate Professor Department of Bioengineering, Graduate School of Engineering	May 10, 2016~ May 9, 2018	Kanto Tokyo
KHUMANAZAROV, T. UZBEKISTAN	Food security and strategies for efficient water management under climate change	Kyoto University TANAKA, Kenji Associate Professor Disaster Prevention Research Institute	Apr 1, 2016~ Mar 31, 2018	Kinki Kyoto
BUI, T. Q. VIET NAM	Fracture analysis of advanced functional and structural composite materials	Tokyo Institute of Technology HIROSE, Sohichi Professor Graduate School of Information Science and Engineering	May 1, 2016~ Nov 30, 2016	
DANG, G. T. VIET NAM	high performance HEMT fabricated by mist CVD	Kochi University of Technology KAWAHARAMURA, Toshiyuki Associate Professor Research Institute	Sep 1, 2016~ Aug 31, 2018	Shikoku Kochi