JSPS Postdoctoral Fellowship for Overseas Researcher

FY 2017 Engineering

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
DHANAPALA ARACHCHIGE, S. AUSTRALIA	Assessment of impacts of changing climate on future environmental flows	Tokyo Institute of Technology KANAE, Shinjiro Professor Department of Civil and Environmental Engineering	Oct 31, 2017～ Oct 30, 2019	Kanto Tokyo
SARKAR, A. BANGLADESH	Bioremediation of arsenic and assessment of health risk with mycorrhizal associated crops	Saitama University ASAEDA, Takashi Porfessor Graduate School of Science and Engineering	May 10, 2017～ May 9, 2019	Kanto Saitama
SCHEIBLER, R. SWITZERLAND	Sound-to-light conversion based multichannel acoustic signal processing with video camera	Tokyo Metropolitan University ONO, Nobutaka Professor System Design	Oct 2, 2017～ Oct 1, 2019	Kanto Tokyo
AN, H. CHINA	Control of spin-charge conversion in metallic systems	Keio University ANDO, Kazuya Associate Professor Faculty of Science and Technology	Apr 1, 2017～ Mar 31, 2019	Kanto Kanagawa
CHEN, L. CHINA	Study of hierarchically porous carbon materials for high-performance energy storage	National Institute of Advanced Industrial Science and Techonology XU, Qiang Prime Senior Researcher Research Institute of Electrochemical Energy, Research Group of Functional Material for Energy	Apr 8, 2017～ Apr 7, 2019	Kinki Osaka
DENG, K. CHINA	Prefabricated Damage-Tolerant Joints for Steel Frames aiming Enhanced Recovery after Earthquake	Kyoto University KURATA, Masahiro Associate Professor Disaster Prevention Research Institute	Oct 30, 2017～ Oct 29, 2019	Kinki Kyoto
FANG, C. CHINA	Prediction and analysis of disordered regions for membrane proteins	The University of Tokyo SHIMIZU, Kentaro Professor Graduate School of Agricultural and Life Sciences	Aug 1, 2017～ Jul 31, 2019	Kanto Tokyo
FU, Q. CHINA	Chemical speciation and biotoxicity of antimony	Tokyo Institute of Technology FUJII, Manabu Specially Appointed Associate Professor School of Environment and Society	Oct 8, 2017～ Nov 7, 2019	Kanto Tokyo

LI, J. CHINA	Development of enzyme-loaded polymeric vesicles working as nanoreactors in tumors	Institute of Industrial Promotion Kawasaki KATAOKA, Kazunori Director-General Innovation Center of NanoMedicine	Oct 10, 2017～ Oct 9, 2019	Kanto Kanagawa
LIU, M. CHINA	Exploring the Horizontal Transfer Reservoir of Antibiotic Resistance Genes in Reclaimed Water	The University of Tokyo KASUGA, Ikuro Associate Professor School of Engineering	Nov 1, 2017～ Oct 31, 2019	Kanto Tokyo
LIU, R. CHINA	Evaluation of radioactive waste reservoir safety based on the elucidation of fluid flow mechanism	Nagasaki University JIANG, Yujing Professor Graduate School of Engineering	Nov 1, 2017～ Oct 31, 2019	Kyushu Nagasaki
MA, J. CHINA	Charged Particle Tracks in Organic Molecules: Versatile Platforms for 1D Chemical Reactions	Kyoto University SEKI, Shu Professor Graduate School of Engineering	Jul 4, 2017～ Jul 3, 2019	Kinki Kyoto
SONG, K. CHINA	Novel nitrogen removal system by free nitrous acid for reduction of operation cost and excess sludge	Tokyo University of Agriculture and Technology HOSOMI, Masaaki Professor Institute of Engineering	Apr 1, 2017～ Oct 16, 2017	Kanto Tokyo
SONG, M. CHINA	Frosting characteristic measurement and defrosting performance improvement	The University of Tokyo DANG, Chaobin Associate Professor Graduate School of Frontier Sciences	Oct 20, 2017～ Oct 19, 2019	Kanto Chiba
TANG, J. CHINA	Novel Carbon Precursor:2D/3D MOFs functionalized with 2D Nanosheets	National Institute for Materials Science IDE, Yusuke Senior Researcher International Center for Materials Nanoarchitectonics	Apr 1, 2017～ Mar 31, 2019	Kanto Ibaraki
XU, L. CHINA	Synthesis and Catalytic Application of Two-Dimensional Nanostructured Zeolite Materials	The University of Tokyo OKUBO, Tatsuya Professor Graduate School of Engineering	Jun 20, 2017～ Jun 19, 2019	Kanto Tokyo
YANG, S. CHINA	Spectroscopic and quantum chemical studies on migration processes of radionuclides	The University of Tokyo TAKAHASHI, Yoshio Professor Graduate School of Science	Nov 1, 2017～ Oct 31, 2019	Kanto Tokyo

ZHANG, F. CHINA	Bayesian system identification of bridges subjected to normal and extreme loads	Kyoto University KIM, Chul-woo Professor Graduate School of Engineering	Nov 28, 2017～ Mar 27, 2020	Kinki Kyoto
ZHANG, H. CHINA	Fabrication of high-sensitivity nanowire biosensor array for canceration diagnosis of iPS cells	Gunma University SONE, Hayato Professor Graduate School of Science and Technology	Apr 1, 2017～ Mar 31, 2019	Kanto Gumma
KOTSONIS, M. CYPRUS	Analysis of DBD Plasma-Induced Flow Control toward Future Blade Design for Wind Energy	Tokyo University of Science FUJII, Kozo Professor Faculty of Engineering,Department of Information and Computer Technology	Oct 27, 2017～ Oct 26, 2018	Kanto Tokyo
WAECHTER, M. GERMANY	Photo-realistic Image-based Modeling and Rendering in the Wild	Osaka University MATSUSHITA, Yasuyuki Professor Graduate School of Information Science and Technology	Oct 26, 2017～ Oct 25, 2019	Kinki Osaka
AHMED, A. Z. EGYPT	Development of nanocarbon thin films for all-carbon photovoltaics	Kyushu University YOSHITAKE, Tsuyoshi associate professor Department of Electronics and Materials Science	Nov 23, 2017～ Nov 22, 2019	Kyushu Fukuoka
GHAREEB, A. S. EGYPT	Fabrication of innovative perovskite-type solar cells with carbon nanotube films	The University of Tokyo MARUYAMA, Shigeo Professor Graduate School of Engineering	Oct 30, 2017～ Oct 29, 2019	Kanto Tokyo
SOLIMAN, M. A. EGYPT	Development of Innovative Analytical Method using Research Reactor for Environmental Samples	Kyoto University OHTSUKI, Tsutomu Professor Research Reactor Institute	Nov 24, 2017～ Nov 23, 2019	Kinki Osaka
NAVLANI GARCIA, M. SPAIN	Design of nanostructured visible-light responsive metal catalysts for efficient hydrogen production	Osaka University YAMASHITA, Hiromi Professor Graduate School of Engineering	Oct 1, 2017～ Sep 30, 2019	Kinki Osaka
BERENGER, F. C. FRANCE	A new rotation-translation invariant molecular encoding and its use in Computer-Aided Drug-Discovery	Kyushu University YAMANISHI, Yoshihiro Associate Professor Medical Institute of Bioregulation	May 10, 2017～ May 9, 2019	Kyushu Fukuoka

RORTAIS, F. P. FRANCE	Detection of spin accumulation in silicon using nonlinear effect between charges and spins	Kyoto University SHIRAISHI, Masashi Professor Graduate School of Engineering, Kyoto University	Nov 16, 2017～ Nov 15, 2019	Kinki Kyoto
TAYLOR, T. J. UNITED KINGDOM	Physical and Numerical Simulation of Hot Stamping for Hybrid Steel-Composite Lightweight Bodies	The University of Tokyo YANAGIMOTO, Jun Professor Institute of Industrial Science	Sep 25, 2017～ Sep 24, 2019	Kanto Tokyo
MULIA, I. E. INDONESIA	Optimal Design of Tsunami Observation System for Source Characterization	The University of Tokyo SATAKE, Kenji Professor Earthquake Research Institute	Apr 1, 2017～ Mar 31, 2019	Kanto Tokyo
BAINSLA, L. INDIA	Tunnel magnetoresistive devices with new spin-gapless semiconductor and their electric field effect	Tohoku University MIZUKAMI, Shigemi Professor Advanced Institute for Materials Research	Apr 1, 2017～ Mar 31, 2019	Tohoku Miyagi
DUTTA CHOWDHURY, A. INDIA	Photonic and electrochemical based dengue serotype-specific detection using carbon quantum dots	Shizuoka University PARK, Enoch y. Professor Research Institute of Green Science and Technology	Nov 29, 2017～ Nov 28, 2019	Chubu Shizuoka
KANCHARLA, S. INDIA	Design of ionic liquid functionalized graphene oxide for formation of Pd nanoparticles	Kyushu University SASAKI, Keiko Professor Faculty of Engineering	Apr 18, 2017～ Apr 17, 2019	Kyushu Fukuoka
KUMAR, M. INDIA	Development of Novel Multimodal Bio-imaging System for Monitoring/Screening of Cancers	Kobe University MATOBA, Osamu Professor Graduate School of System Informatics	Oct 28, 2017～ Oct 27, 2019	Kinki Hyogo
MUKHERJEE, B. INDIA	Development of highly sensitive optical sensor with two-dimensional atomic layers	National Institute for Materials Science WAKAYAMA, Yutaka Group Leader International Center for Materials Nanoarchitectonics	Nov 25, 2017～ Nov 24, 2019	Kanto Ibaraki
PATI, S. P. INDIA	Voltage controlled spin-wave resonance in magnetic 2D structures	Tohoku University ENDO, Yasushi Associate Professor Graduate School of Engineering	Apr 1, 2017～ Mar 31, 2019	Tohoku Miyagi

PAWAR, R. R. INDIA	Synthesis of MOF@clay composite photocatalysts for environmental remediation	Kyushu University SASAKI, Keiko Professor Faculty of Engineering	Nov 13, 2017～ Nov 12, 2019	Kyushu Fukuoka
RAJPUT, S. K. INDIA	Simultaneous 3D non-interferometric phase and fluorescence imaging for biomedical applications	Kobe University MATOBA, Osamu Professor Graduate School of System Informatics	Nov 3, 2017～ Nov 2, 2019	Kinki Hyogo
RAO, B. A. INDIA	Fabrication and characterization of perpendicularly anisotropic multiferroic thin films	Tokyo Institute of Technology ITOH, Mitsuru Professor Institute of Innovative Research	Jun 14, 2017～ Jun 13, 2019	Kanto Kanagawa
KARIMI, A. IRAN	Alveolar wall remodeling induced by smoking to address the interaction of alveolar cells and wall	Kyushu University KUDO, Susumu Professor Faculty of Engineering	Apr 10, 2017～ Apr 9, 2019	Kyushu Fukuoka
MOJIRI, A. IRAN	Development of a treatment system for landfill leachate using novel adsorbents and anammox process	Hiroshima University OHASHI, Akiyoshi Professor Graduate School of Engineering	Oct 14, 2017～ Oct 13, 2019	Chugoku Hiroshima
TERMEH YOUSEFI, A. IRAN	Investigation of Haptic Sensor System by Nanomaterials to Establish Human-Machine Interface	Kyushu Institute of Technology TANAKA, Hirofumi Professor Graduate School of Life Science and Systems Engineering	Sep 16, 2017～ Sep 15, 2019	Kyushu Fukuoka
LIVSHITS, G. I. ISRAEL	Field-assisteid assembly of DNA networks for electronic and biologyical applications	Osaka University MATSUMOTO, Takuya Professor Graduate School of Science	Apr 14, 2017～ Apr 13, 2019	Kinki Osaka
YEM, V. CAMBODIA	Research on Display Algorithm of Tactile Display Using Electrical and Mechanical Stimulation	The University of Electro-Communications KAJIMOTO, Hiroyuki Associate Professor Graduate School of Informatics and Engineering	Nov 1, 2017～ Oct 31, 2019	Kanto Tokyo
LEE, H. KOREA (REP. OF KOREA)	A high performance organic electrochemical diagnostic system for biomedical application	The University of Tokyo SOMEYA, Takao Professor School of Engineering	Oct 14, 2017～ Oct 13, 2019	Kanto Tokyo

LEE, S. KOREA (REP. OF KOREA)	Development of effective removal method of anionic radionuclides by mixed layered oxides	The University of Tokyo TAKAHASHI, Yoshio Professor Graduate School of Science	Apr 7, 2017～ Apr 6, 2019	Kanto Tokyo
SUH, D. KOREA (REP. OF KOREA)	Material development for high-efficiency carbon dioxide capture based on molecular dynamics	The University of Tokyo DAIGUJI, Hirofumi Professor Graduate School of Engineering	Apr 1, 2017～ Mar 31, 2019	Kanto Tokyo
GALLE HETTI ARACHCHIGE, J. J. SRI LANKA	Formulation of a theoretical framework to describe the geomaterials containing expansive minerals	Meijo University KODAKA, Takeshi Professor Faculty of Science and Technology	Apr 1, 2017～ Mar 31, 2019	Chubu Aichi
LAU, Y. MALAYSIA	Control of spin current and magnetization in chiral antiferromagnets and ferrimagnets	The University of Tokyo HAYASHI, Masamitsu Associate professor Graduate school of science	Apr 1, 2017～ Mar 31, 2019	Kanto Tokyo
TIWARI, R. C. NEPAL	3D-SEM analyses of ground motion and response in Kathmandu sediments during 2015 Gorkha Earthquake	Ehime University N. P, Bhandary Associate Professor Faculty of Collaborative Regional Innovation	Apr 1, 2017～ Mar 31, 2019	Shikoku Ehime
MUNOZ PRINCIPE, H. E. PERU	Development of geocell reinforced soil structure and its application for various filed conditions	The University of Tokyo KIYOTA, Takashi Associate Professor Institute of Industrial Science	Jul 8, 2017～ Jul 7, 2019	Kanto Tokyo
BARTOSIEWICZ, K. A. POLAND	Development of multi-component garnet scintillators for Medical applications	Tohoku University YOSHIKAWA, Akira Professor Institute for Materials Research	Nov 9, 2017～ Nov 8, 2019	Tohoku Miyagi
HO, C. SINGAPORE	Optical sensor chip using Ge-based mid-infrared integrated photonics	The University of Tokyo TAKENAKA, Mitsuru Associate Professor School of Engineering	Apr 17, 2017～ Apr 16, 2019	Kanto Tokyo
NOOTCHANAT, S. THAILAND	NIR-activate Organic Solar Cells Induced by Hybrid Plasmonic System	Niigata University BABA, Akira Associate Professor Institute of Science and Technology	Nov 13, 2017～ Nov 12, 2018	Chubu Niigata

VIKROMVARASIRI, N. THAILAND	Bacterial cellulose production from waste glycerol by isolated cellulose-producing thermophile	Tokyo Institute of Technology NAKASAKI, Kiyohiko Professor School of Environment and Society	Oct 5, 2017～ Oct 4, 2019	Kanto Tokyo
AYDIN, O. TURKEY	Self-Standing Solid Oxide Fuel Cell Involving a Novel Reforming Structure for Hydrocarbon Fuels	Kyushu University KITAHARA, Tatsumi Associate Professor Faculty of Engineering	Apr 1, 2017～ Mar 31, 2019	Kyushu Fukuoka
YENIDOGAN, H. C. TURKEY	Seismic performance enhancement and assessment of buildings based on a bottom-slide foundation	Nagoya University NAGAE, Takuya Associate Professor Disaster Mitigation Research Center	May 24, 2017～ May 23, 2019	Chubu Aichi
LIN, C. TAIWAN	Pan-cancer module and network analysis for identifying dominating subnetworks across human cancers	Kyoto University AKUTSU, Tatsuya Professor Institute for Chemical Research	Oct 9, 2017～ Oct 8, 2019	Kinki Kyoto
TANG, C. TAIWAN	Terahertz dynamics and molecular spintronics applications of single molecule transistors	The University of Tokyo HIRAKAWA, Kazuhiko professor Institute of Industrial Science	Apr 8, 2017～ Apr 7, 2019	Kanto Tokyo
BISCHOF, Z. S. U.S.A.	Improving user QoE by network traffic coordination	IIJ Innovation Institute Inc. CHO, Kenjiro Research Director Research Laboratory	Aug 27, 2017～ Aug 26, 2019	Kanto Tokyo
HAINEY, JR., M. F. U.S.A.	Selective area growth of GaN on glass using an AIC seed layer for micro-LED applications	Nagoya University USAMI, Noritaka Professor Graduate School of Engineering	Nov 28, 2017～ Nov 27, 2019	Chubu Aichi
PRADEL, K. C. U.S.A.	p-ZnO nanowire / magnetic nanoparticle composites for self-powered medical application	National Institute for Materials Science FUKATA, Naoki Group Leader International Center for Materials Nanoarchitectonics	Sep 1, 2017～ Aug 31, 2019	Kanto Ibaraki
REMEIKA, M. U.S.A.	Engineering of BiVO4 Composition for Improved Performance as a Z-Scheme Photocatalyst	University of Tsukuba SAKURAI, Takeaki Associate Professor Faculty of Pure and Applied Sciences	Sep 25, 2017～ Sep 24, 2019	Kanto Ibaraki

GAMBOA MENDEZ, M. VENEZUELA	Vulnerability Assessment of Stream Invertebrates to Global Warming Using Gene Expression Analysis	Ehime University WATANABE, Kozo Associate Professor Graduate School of Science and Engineering	Apr 1, 2017～ Mar 31, 2019	Shikoku Ehime
LE, D. VIET NAM	Evaluation Techniques for Human-body Exposure to Electromagnetic Fields	NICT WATANABE, Soichi Research Manager Electromagnetic Compatibility Laboratory, Applied Electromagnetic Research Institute	Nov 27, 2017～ Nov 26, 2019	Kanto Tokyo
NGUYEN, L. VIET NAM	Development of in silico airway models for indoor environmental assessment	Kyushu University ITO, Kazuhide Associate Professor Faculty of Engineering Sciences	Apr 2, 2017～ Apr 1, 2019	Kyushu Fukuoka
VO, C. H. VIET NAM	Modification of littoral systen due to combined tsunami and floods and its subsequent recovery	Tohoku University TANAKA, Hitoshi Professor Graduate School of Engineering	May 9, 2017～ May 8, 2019	Tohoku Miyagi