GPMI

Graduate Program of Mathematics for Innovation (GPMI) Members

As of Oct. 1, 2026

Name	Affiliation	Position	Field
HIROSHIMA Fumio	Faculty of Mathematics, Kyushu University	Professor	Quantum Field Theory
SAEKI Osamu	Institute of Mathematics for Industry, Kyushu University / Department of Mathematical Engineering, Faculty of Engineering, Musashino University	Professor, Research Professor	Topology, Data Visualization
SHIRAI Tomoyuki	Institute of Mathematics for Industry, Kyushu University	Professor	Probability Theory
ANAI Hirokazu	Institute of Mathematics for Industry, Kyushu University	Professor	Computational Algebra and Artificial Intelligence
ISHII Yutaka	Faculty of Mathematics, Kyushu University	Professor	Theory of Dynamical Systems
OCHIAI Hiroyuki	Institute of Mathematics for Industry, Kyushu University	Professor	Algebraic Analysis
KAJIWARA Kenji	Institute of Mathematics for Industry, Kyushu University	Professor	Discrete Differential Geometry, Integrable Systems
KAWANO Shuichi	Faculty of Mathematics, Kyushu University	Professor	Statistical Sciences
Nguyen Duy Hien	Institute of Mathematics for Industry, Kyushu University	Professor	Applied Statistics, Mathematical Statistics, Statistical Learning, Optimization Theory, Machine Learning
SATO Fumikazu	Institute of Mathematics for Industry, Kyushu University	Professor	Science, Technology and Innovation Policy and Industry-Academia Collaboration
Cesana Pierluigi	Institute of Mathematics for Industry, Kyushu University	Professor	PDE, Calculus of variations, Materials Science
TSUJII Masato	Faculty of Mathematics, Kyushu University	Professor	Theory of Dynamical Systems, Ergodic Theory
TOMIYASU Ryoko	Institute of Mathematics for Industry, Kyushu University	Professor	Applied Algebra, Mathematical Crystallography
NUIDA Koji	Institute of Mathematics for Industry, Kyushu University	Professor	Fundamentals of Cryptography, Combinatorial Group Theory
HIROSE Kei	Institute of Mathematics for Industry, Kyushu University	Professor	Sparse Estimation, Multivariate Analysis
MATSUE Kaname	Institute of Mathematics for Industry, International Institute for Carbon-Neutral Energy Research (I2CNER), Kyushu University	Professor	Dynamical Systems, Numerical Analysis, Differential Equations, Combustion Science
YAMAGUCHI Akihiro	Institute of Mathematics for Industry, Kyushu University	Professor	Explainable AI (XAI) / Time Series Data Mining / Machine Learning
YAGUCHI Takaharu	Institute of Mathematics for Industry, Kyushu University	Professor	Scientific Machine Learning, AI for Science, Physics-Informed Neural Networks, operator learning, structure-preserving numerical methods
WAKI Hayato	Institute of Mathematics for Industry, Kyushu University	Professor	Optimization Theory
IKEMATSU Yasuhiko	Institute of Mathematics for Industry, Kyushu University	Associate Professor	Cryptography
Gaina Daniel Mircea	Institute of Mathematics for Industry, Kyushu University	Associate Professor	Logic, Category Theory, Formal Methods
KIRA Akifumi	Institute of Mathematics for Industry, Kyushu University	Associate Professor	Social Mathematics, Dynamic Optimization, Stochastic Optimization, Markov Decision Processes
TAGAMI Daisuke	Institute of Mathematics for Industry, Kyushu University	Associate Professor	Numerical Analysis
TERO Atsushi	Institute of Mathematics for Industry, Kyushu University	Associate Professor	Mathematical Modeling
NII Shunsaku	Faculty of Mathematics, Kyushu University	Associate Professor	Dynamical Systems

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HIROSE Masayo	Institute of Mathematics for Industry, Kyushu University	Associate Professor	Statistical Science, Small Area Estimation, Mixed Effects Model
YOSHIDA Hiroshi	Faculty of Mathematics, Kyushu University	Associate Professor	Mathematics of Regeneration
SAITO Shingo	Faculty of Arts and Science, Kyushu University	Associate Professor	Multiple Zeta Values, Actuarial Science, Classical Real Analysis
IKEDA Karin	Institute of Mathematics for Industry, Kyushu University	Assistant Professor	Number Theory
SHIGETOMI Shota	Institute of Mathematics for Industry, Kyushu University	Assistant Professor	Integrable Systems, Discrete Differential Geometry, Applied Physics, Theta Function
KISU Takanobu	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Superconducting Science and Engineering
TAKEUCHI Junichi	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Machine Learning, Information Theory
ARAKAWA Yutaka	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Ubiquitous Computing, Sensors, IoT (Internet of Things)
INENAGA SHUNSUKE	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	String Algorithms/ Data Structures/ Combinatorics on Words
UCHIDA Seiichi	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Image Analysis, Pattern Recognition, Real Data Analysis
ONO Kenji	Research Institute for Information Technology, Kyushu University	Professor	Numerical Fluid Dynamics, High-performance Computation, Visualization
SAKURAI Koichi	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Cryptography and Cybersecurity
ZHAO Jianjun	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Software Engineering
YOSHIZOE Kazuki	Research Institute for Information Technology, Kyushu University	Professor	Search Algorithm, Parallel Algorithm, Parallel Computing, Game AI (Artificial Intelligence)
KAMATAKI Kunihiro	Faculty of Information Science and Electrical Engineering, Kyushu University	Associate Professor	Plasma Processes
KIMURA Kei	Faculty of Information Science and Electrical Engineering, Kyushu University	Associate Professor	Mathematical optimization, Algorithms
SUN Zhaohong	Faculty of Information Science and Electrical Engineering, Kyushu University	Associate Professor	Artificial Intelligence, Computational Economics, Matching Theory
TODO Taiki	Faculty of Information Science and Electrical Engineering, Kyushu University	Associate Professor	Algorithmic Game Theory, Market Design
YAMAMOTO Kaoru	Faculty of Information Science and Electrical Engineering, Kyushu University	Associate Professor	Control Engineering
TAKIMOTO Taro	Faculty of Economics, Kyushu University	Professor	Time Series Analysis, Econometrics
URAKAWA Kunio	Faculty of Economics, Kyushu University	Professor	Applied Economics, Welfare Policy
OHNISHI Toshio	Faculty of Economics, Kyushu University	Professor	Statistical Sciences
KITAHARA Tomonari	Faculty of Economics, Kyushu University	Professor	Mathematical Programming, Operations Research
MIYAZAKI Takeshi	Faculty of Economics, Kyushu University	Professor	Fiscal Science, Applied Econometrics
IZUNAGA Yoichi	Faculty of Economics, Kyushu University	Associate Professor	Mathematical Optimization

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KOMURO Rie	Faculty of Economics, Kyushu University	Associate Professor	Applied Mathematics
HORI Nobuaki	Faculty of Economics, Kyushu University	Associate Professor	Theoretical Economics, Public Economics, Political Economy
TERAMOTO Shinto	Faculty of Law, Kyushu University	Professor	Intellectual Property Law
NARIHARA Satoshi	Faculty of Law, Kyushu University	Associate Professor	Information Law
NISHIMURA Tomoumi	Faculty of Law, Kyushu University	Associate Professor	Theory of Argumentation, Philosophy of Logic and Mathematics, Artificial Intelligence and Law
SATAKE Akiko	Faculty of Science, Kyushu University	Professor	Mathematical Biology
NOSHITA Koji	Faculty of Science, Kyushu University	Assistant Professor	Morphology and Anatomical Structure, Mathematical Biology, Evolutionary Biology
ARIMURA Hidetaka	Faculty of Medical Sciences, Kyushu University	Professor	Medical Imaging Informatics, Mathematical Modeling of Cancer
MAEHARA Kazumitsu	Faculty of Medical Sciences, Kyushu University	Associate Professor	Epigenetics, Omics Data Analysis, Multivariate Analysis
KUBOTA Hiroyuki	Medical Institute of Bioregulation, Kyushu University	Professor	Systems Biology
BANDO Mai	Faculty of Engineering, Kyushu University	Professor	Astrodynamics, Control Engineering
LIU Wei	Faculty of Engineering, Kyushu University	Professor	Nuclear thermal hydraulics, Nuclear safety
IKEDA Tatsunori	Faculty of Engineering, Kyushu University	Associate Professor	Geophysics, Seismology
MARUYAMA Osamu	Faculty of Design, Kyushu University	Professor	Bioinformatics
ITO Hiroshi	Faculty of Design, Kyushu University	Associate Professor	Chronobiology
OKAYASU Takashi	Faculty of Agriculture, Kyushu University	Professor	Agricultural Informatics, Agricultural Machinery, Computational Mechanics
MIYAMOTO Kei	Faculty of Agriculture, Kyushu University	Professor	Developmental biology, Animal life science, Molecular biology
Ta Viet Ton	Faculty of Agriculture, Kyushu University	Associate Professor	Stochastic Differential and Partial Differential Equations, Mathematical Biology, Deep Learning, Computer Simulation
OKAMOTO Tsuyoshi	Faculty of Arts and Science, Kyushu University	Associate Professor	Brain Science, Systems Neuroscience, Biomedical Engineering
TAKEMURA Toshihiko	Research Institute for Applied Mechanics, Kyushu University	Professor	Meteorology, Atmospheric Environment
NAKASHIMA Naoki	Medical Information Center of Kyushu University Hospital	Professor	Medical Informatics, Diabetology, Internal Medicine
IWAMI Shingo	Institute of Mathematics for Industry, Kyushu University	Guest Professor of the Institute of Mathematics for Industry	Quantitative Data Analysis Using Mathematical Models
KAWAHARA Yoshinobu	Institute of Mathematics for Industry, Kyushu University	Guest Professor of the Institute of Mathematics for Industry	Machine Learning
SAKURAI Daisuke	Institute of Mathematics for Industry, Kyushu University	Guest Professor of the Institute of Mathematics for Industry	Visualization, AI
MIYAKE Yoichiro	Institute of Mathematics for Industry, Kyushu University	Guest Professor of the Institute of Mathematics for Industry	Artificial Intelligence

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HIRAOKA Yasuaki	Institute of Mathematics for Industry, Kyushu University	Guest Professor of the Institute of Mathematics for Industry	Applied Topology
KAJI Shizuo	Institute of Mathematics for Industry, Kyushu University	Guest Professor of the Institute of Mathematics for Industry	Topology
NINOMIYA Yoshiyuki	Division of Mathematics and Reasoning, The Institute of Statistical Mathematics	Professor	Mathematical Statistics
TABEI Yasuo	Center for Advanced Intelligence Project, RIKEN	Unit Reader	Computer Science
TSUBOI Takashi	RIKEN Center for Interdisciplinary Theoretical and Mathematical Sciences (iTHEMS)	Senior Visiting Scientist	Topology, Dynamical Systems
YAMAZAKI Keisuke	Artificial Intelligence Research Center, National Institute of Advanced Industrial Science and Technology (AIST)	Head of Machine Learning Research Team	Mathematical Statistics, Artificial Intelligence, Simulation
Hur Vera Mikyoung	Department of Mathematics, University of Illinois at Urbana-Champaign	Professor	PDE, Applied Mathematics
Baryshnikov Julijj	Department of Mathematics, University of Illinois at Urbana-Champaign	Professor	Mathematics and its Applications
Ni Lei	Department of Mathematics, University of California, San Diego	Professor	Geometric Analysis
Luke PRENDERGAST	Department of Mathematics and Statistics, La Trobe University	Professor	Statistical Sciences
Toh Kim-Chuan	Department of Mathematics, National University of Singapore	Professor	Matrix Optimization Problems
Soon-Sun Kwon	Ajou University	Professor	Medical Statistics, Longitudinal Data analysis, Statistical Learning in Big data
Lin Chun-Chi	National Taiwan Normal University	Professor	Calculus of Variations
SHINANO Yuji	Zuse Institute Berlin	Researcher	Informatics
Marco Morandotti	Department of Mathematical Sciences “G. L. Lagrange”, Politecnico di Torino	Associate Professor	Applied Analysis
Verbitskiy Evgeny	Mathematical Institute, Leiden University	Professor	Dynamical Systems
Anders Rantzer	Department of Automatic Control, Faculty of Engineering, Lund University	Professor	Optimization and Systems Theory
Richard Pates	Department of Automatic Control, Faculty of Engineering, Lund University	Associate Professor	Control Engineering
Yiannis Karayiannidis	Department of Automatic Control, Faculty of Engineering, Lund University	Associate Professor	Control Engineering, Robotics
UMEDA Yuhei	Fujitsu Research, Fujitsu Limited	Senior Research Director	Differential Geometry, Machine Learning, Topology, Artificial Intelligence
Ogawa Fumie	Mazda Motor Corporation	Researcher	Electronic Communication Engineering, Mathematical Statistics, Causal Structure Modeling
KOZUKA Norihiro	R&D Planning Division, Sumitomo Electric Industries, Ltd.	Staff	Agricultural Economics
TAKENOUCHI Hirokazu	Advanced Integrated Device Laboratories, Nippon Telegraph and Telephone Corporation (NTT)	Executive Officer, Director	Advanced Integrated Devices
NISHI Masafumi	Itoshima City Office	Chief Manager	Academic Research City Promotion Plan