



G P M I

## Graduate Program of Mathematics for Innovation (GPMI) Members

As of Dec. 1, 2025

Name	Affiliation	Position	Field
ISHII Yutaka	Faculty of Mathematics, Kyushu University	Professor	Dynamical Systems
KAWANO Shuichi	Faculty of Mathematics, Kyushu University	Professor	Statistical Science
TSUJII Masato	Faculty of Mathematics, Kyushu University	Professor	Dynamical System Theory, Ergodic Theory
HIROSHIMA Fumio	Faculty of Mathematics, Kyushu University	Professor	Quantum Field Theory
OCHIAI Hiroyuki	Institute of Mathematics for Industry, Kyushu University	Professor	Algebraic Analysis
KAJI Shizuo	Institute of Mathematics for Industry, Kyushu University	Professor	Topology
KAJIWARA Kenji	Institute of Mathematics for Industry, Kyushu University	Professor	Discrete Differential Geometry, Integrable Systems
KAMIYAMA Naoyuki	Institute of Mathematics for Industry, Kyushu University	Professor	Discrete Optimization
SAEKI Osamu	Institute of Mathematics for Industry, Kyushu University	Professor	Topology, Data Visualization
SHIRAI Tomoyuki	Institute of Mathematics for Industry, Kyushu University	Professor	Probability 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	Mathematical Statistics
MIZOGUCHI Yoshihiro	Institute of Mathematics for Industry, Kyushu University	Professor	Theory of Computing
YAMAGUCHI Akihiro	Institute of Mathematics for Industry, Kyushu University	Professor	Explainable AI (XAI) / Time Series Data Mining / Machine Learning
WAKI Hayato	Institute of Mathematics for Industry, Kyushu University	Professor	Optimization Theory
Cesana Pierluigi	Institute of Mathematics for Industry, Kyushu University	Professor	PDE, Calculus of variations, Materials Science
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
SATO Fumikazu	Institute of Mathematics for Industry, Kyushu University	Professor	Science, Technology and Innovation Policy, Industry-Academia Collaboration
Nguyen Duy Hien	Institute of Mathematics for Industry, Kyushu University	Professor	Applied Statistics, Mathematical Statistics, Statistical Learning, Optimization Theory, Machine Learning
NII Shunsaku	Faculty of Mathematics, Kyushu University	Associate Professor	Dynamical System Theory
YOSHIDA Hiroshi	Faculty of Mathematics, Kyushu University	Associate Professor	Mathematics of Regeneration
IKEMATSU Yasuhiko	Institute of Mathematics for Industry, Kyushu University	Associate Professor	Cryptography
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



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Gaina Daniel Mircea	Institute of Mathematics for Industry, Kyushu University	Associate Professor	Logic, Category Theory, Formal Methods, Software Engineering
HIROSE Masayo	Institute of Mathematics for Industry, Kyushu University	Associate Professor	Mathematical Statistics
SAITO Shingo	Faculty of Arts and Science, Kyushu University	Associate Professor	Multiple Zeta Values, Actuarial Science, Classical Real Analysis
SHIGETOMI Shota	Institute of Mathematics for Industry, Kyushu University	Assistant Professor	Integrable Systems, Discrete Differential Geometry, Applied Physics, Theta Function
ARAKAWA Yutaka	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Ubiquitous Computing, Sensors, IoT (Internet of Things)
UCHIDA Seiichi	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Image Analysis, Pattern Recognition, Real Data Analysis
SHIRATANI Masaharu	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Plasma Engineering
TAKEUCHI Junichi	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Machine Learning, Information Theory
HIROKAWA Masao	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Quantum Physics, Applied Physics
INENAGA SHUNSUKE	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	
YOKOO Makoto	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Multi-agent Systems, Market Design, Game Theory
ZHAO Jianjun	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Software Engineering
SAKURAI Koichi	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Cryptography and Cybersecurity
ONO Kenji	Research Institute for Information Technology, Kyushu University	Professor	Numerical Fluid Dynamics, High-performance Computation, Visualization
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
URAKAWA Kunio	Faculty of Economics, Kyushu University	Professor	Applied Economics, Welfare Policy
OHNISHI Toshio	Faculty of Economics, Kyushu University	Professor	Statistical Science
TAKIMOTO Taro	Faculty of Economics, Kyushu University	Professor	Time Series Analysis, Econometrics
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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Name	Affiliation	Position	Field
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
BANDO Mai	Faculty of Engineering, Kyushu University	Professor	Aerodynamics, 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
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
KUBOTA Hiroyuki	Medical Institute of Bioregulation, Kyushu University	Professor	Systems Biology
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
HIRAOKA Yasuaki	Institute of Mathematics for Industry, Kyushu University	Guest Professor of the Institute of Mathematics for Industry	Applied Topology



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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	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
Vera Mikyoung HUR	Department of Mathematics, University of Illinois at Urbana-Champaign	Professor	PDE, Applied Mathematics
Julijj BARYSHNIKOV	Department of Mathematics, University of Illinois at Urbana-Champaign	Professor	Mathematics and its Applications
Lei NI	Department of Mathematics, University of California, San Diego	Professor	Geometric Analysis
Luke PRENDERGAST	Department of Mathematics and Statistics, La Trobe University	Professor	Statistical Sciences
Kim-Chuan Toh	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
Chun-Chi LIN	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 System
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
ANAI Hirokazu	Artificial Intelligence Laboratory, Fujitsu Research, Fujitsu	Principal Research Director	Computational Algebra and Artificial Intelligence
KOZUKA Norihiro	Sumitomo Electric Industries, Ltd.	Person in charge of R&D Planning and Administration Department	Agricultural Economics
Ogawa Fumie	Mazda Motor Corporation	Researcher	Electronic Communication Engineering, Mathematical Statistics, Causal Structure Modeling
TAKENOUCHI Hirokazu	Advanced Integrated Device Laboratories, Nippon Telegraph and Telephone Corporation (NTT)	Director	Advanced Integrated Devices
NISHI Masafumi	Itoshima City Office	Chief Manager	Academic Research City Promotion Plan