



Graduate Program of Mathematics for Innovation (GPMI) Members

As of April 2024

Name	Affiliation	Position	Field
ISHII Yutaka	Faculty of Mathematics, Kyushu University	Professor	Department of Mechanics 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	Director of Institute of Mathematics for Industry, Professor	Discrete Differential Geometry, Integrable Systems
KAMIYAMA Naoyuki	Institute of Mathematics for Industry, Kyushu University	Professor	Discrete Optimization
KAWANO Shuichi	Faculty of Mathematics, Kyushu University	Professor	Statistical science
SAEKI Osamu	Institute of Mathematics for Industry, Kyushu University	Professor	Topology, Data Visualization
SATO Fumikazu	Institute of Mathematics for Industry, Kyushu University	Professor	Science, Technology and Innovation Policy, Industry-Academia Collaboration
SHIRAI Tomoyuki	Institute of Mathematics for Industry, Kyushu University	Professor	Probability Theory
TSUJII Masato	Institute of Mathematics for Industry, Kyushu University	Dean of Graduate School and Faculty of Mathematics, Professor	Dynamical System Theory, Ergodic Theory
TOMIYASU Ryoko	Institute of Mathematics for Industry, Kyushu University	Professor	Applied Algebra
NUIDA Koji	Institute of Mathematics for Industry, Kyushu University	Professor	Fundamentals of Cryptography, Combinatorial Group Theory
HARA Takashi	Faculty of Mathematics, Kyushu University	Professor	Mathematical Physics
HIROSHIMA Fumio	Faculty of Mathematics, Kyushu University	Professor	Quantum Field Theory
HIROSE Kei	Institute of Mathematics for Industry, Kyushu University	Professor	Mathematical Statistics
FUKUMOTO Yasuhide	Institute of Mathematics for Industry, Kyushu University	Professor	Fluid Mechanics, Vortex Dynamics, Magnetohydrodynamics, Nonlinear Phenomenology
MIZOGUCHI Yoshihiro	Institute of Mathematics for Industry, Kyushu University	Professor	Theory of Computing
Nguyen Duy Hien	Institute of Mathematics for Industry, Kyushu University	Professor	Applied Statistics, Mathematical Statistics, Statistical Learning, Optimization Theory, Machine Learning
IKE Yuichi	Institute of Mathematics for Industry, Kyushu University	Associate Professor	Topological Data Analysis, Hyperlocal Layer Theory
Gaina Daniel Mircea	Institute of Mathematics for Industry, Kyushu University	Associate Professor	Logic, Category Theory, Formal Methods, Software Engineering
Nguyen Dinh Hoa	International Institute for Carbon-Neutral Energy Research (I2CNER), Kyushu University	Associate Professor	Applied Math for Energy, Control Theory
SAITO Shingo	Faculty of Arts and Science, Graduate School of Mathematics, Kyushu University	Associate Professor	Multiple Zeta Values, Actuarial Science, Classical Real Analysis
TAGAMI Daisuke	Institute of Mathematics for Industry, Kyushu University	Associate Professor	Numerical Analysis
Cesana Pierluigi	Institute of Mathematics for Industry, Kyushu University	Associate Professor	PDE, Calculus of variations, Materials Science

TERO Atsushi	Institute of Mathematics for Industry, Kyushu University	Associate Professor	Mathematical Modeling
NII Shunsaku	Faculty of Mathematics, Kyushu University	Associate Professor	Dynamical System Theory
YOSHIDA Hiroshi	Faculty of Mathematics, Graduate School of Mathematics	Associate Professor	Mathematics of Regeneration
WAKI Hayato	Institute of Mathematics for Industry, Kyushu University	Associate Professor	Optimization Theory
IKEMATSU Yasuhiko	Institute of Mathematics for Industry, Kyushu University	Assistant Professor	Cryptography
URAMOTO Takeo	Institute of Mathematics for Industry, Kyushu University	Assistant Professor	Algebra, Theoretical Computer Science
HIROSE Masayo	Institute of Mathematics for Industry, Kyushu University	Assistant Professor	Mathematical Statistics
ARAKAWA Yutaka	Faculty of Information Science and Electrical Engineering, Kyushu University	Professor	Ubiquitous Computing
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
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
YOKOO Makoto	Faculty of Information Science and Electrical Engineering, Kyushu University	Vice Dean of Joint Graduate School of Mathematics for Innovation, Dean of Graduate School and Faculty of Information Science and Electrical Engineering, Professor	Multi-agent Systems, Market Design, Game Theory
KIMURA Kei	Faculty of Information Science and Electrical Engineering, Kyushu University	Associate Professor	Mathematical optimization, Algorithms
YAMAMOTO Kaoru	Faculty of Information Science and Electrical Engineering, Kyushu University	Associate Professor	Control Engineering
SUN Zhaohong	Faculty of Information Science and Electrical Engineering, Kyushu University	Associate Professor	Artificial Intelligence, Computational Economics, Matching Theory
TODO Daiki	Faculty of Information Science and Electrical Engineering, Kyushu University	Associate Professor	Algorithmic Game Theory, Market Design

KAMATAKI Kunihiro	Faculty of Information Science and Electrical Engineering, Kyushu University	Associate Professor	Plasma Processes
URAKAWA Kunio	Faculty of Economics, Kyushu University	Professor	Applied Economics
OHNISHI Toshio	Faculty of Economics, Kyushu University	Professor	Statistical Science
TAKIMOTO Taro	Faculty of Economics, Kyushu University	Professor	Econometrics
MIYAZAKI Takeshi	Faculty of Economics, Kyushu University	Vice Dean of Joint Graduate School of Mathematics for Innovation, Professor	Fiscal Studies, Applied Econometrics
KITAHARA Tomonari	Faculty of Economics, Kyushu University	Professor	Mathematical Programming, Operations Research
IZUNAGA Yoichi	Faculty of Economics, Kyushu University	Associate Professor	Mathematical Optimization
KOMURO Rie	Faculty of Economics, Kyushu University	Associate Professor	Applied Mathematics
ARIMURA Hidetaka	Faculty of Medical Sciences, Kyushu University	Professor	Medical Physics, Medical Image Analysis, Computer-Aided Radio Theragnosis
KUBOTA Hiroyuki	Medical Institute of Bioregulation, Kyushu University	Professor	Systems Biology
SATAKE Akiko	Faculty of Sciences, Kyushu University	Professor	Mathematical Biology
TAKEMURA Toshihiko	Research Institute for Applied Mechanics, Interdisciplinary Graduate School of Engineering, Kyushu University	Professor	Meteorology, Atmospheric Environment
TERAMOTO Shinto	Faculty of Law, Kyushu University	Professor	Intellectual Property Law
NAKASHIMA Naoki	Medical Information Center of Kyushu University Hospital	Professor	Medical Informatics, Diabetology, Internal Medicine
OKAYASU Takashi	Faculty of Agriculture, Kyushu University	Professor	Agricultural Informatics, Agricultural Machinery, Computational mechanics
ITO Hiroshi	Faculty of Design, Graduate School of Design, Kyushu University	Associate Professor	Chronobiology
MARUYAMA Osamu	Faculty of Design, Graduate School of Design, Kyushu University	Associate Professor	Bioinformatics
MAEHARA Kazumitsu	Medical Institute of Bioregulation, Kyushu University	Assistant Professor	Epigenetics, Omics Data Analysis, Multivariate Analysis
OKAMOTO Tsuyoshi	Faculty of Arts and Science, Kyushu University	Associate Professor	Systems Neuroscience, Biomedical Engineering
Ta Viet Ton	Faculty of Agriculture, Kyushu University	Associate Professor	Stochastic Differential and Partial Differential Equations, Mathematical Biology, Deep Learning, Computer Simulation
NARIHARA Kei	Faculty of Law, Kyushu University	Associate Professor	Information Law
NISHIMURA Tomomi	Faculty of Law, Kyushu University	Associate Professor	Theory of Argumentation, Philosophy of Logic and Mathematics, Artificial Intelligence and Law
BANDO Mai	Faculty of Engineering, Kyushu University	Professor	Space Engineering
IKEDA Tatsunori	Faculty of Engineering, Kyushu University	Associate Professor	Geophysics, Seismology
LIU Wei	Faculty of Engineering, Kyushu University	Associate Professor	Nuclear thermal hydraulics, Nuclear safety

NOSHITA Koji	Faculty of Sciences, Kyushu University	Assistant Professor	Morphology and Anatomical Structure, Mathematical Biology, Evolutionary Biology
IWAMI Shingo	Institute of Mathematics for Industry, Kyushu University	Guest Professor of the Institute of Mathematics for Industry	Mathematical Modeling, Data, nalysis , Interdisciplinary Research
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
NINOMIYA Yoshiyuki	The Institute of Statistical Mathematics	Professor	Mathematical Statistics
TABEI Yasuo	RIKEN	Unit Reader	Applied Topology
TSUBOI Takashi	RIKEN	Deputy Program Director	Topology and Dynamical Systems Theory
HIRAOKA Yasuaki	RIKEN	Team Leader	Applied Topology
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
Marco Morandotti	G.L. Lagrange Department of Mathematical Sciences, Politecnico di Torino	Associate Professor	Applied Analysis
Luke PRENDERGAST	Department of Mathematics and Statistics, La Trobe University	Professor	Statistical Sciences
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
Kim–Chuan TOH	National University of Singapore	Professor	Matrix Optimization Problems
TOKUNAGA Shinichi	Itoshima City Office	Chief Manager	–
Lin Chun–Chi	National Taiwan Normal University	Professor	Calculus of Variations
Verbitskiy Evgeny	Leiden University	Professor	Probability Theory, Dynamical Systems
SHINANO Yuji	Zuse Institute Berlin	Researcher	Mathematical Optimization, Computer Science
ANAI Hirokazu	Artificial Intelligence Laboratory, Fujitsu Research, Fujitsu	Director	AI, Computer Algebra
MERA Mitsugu	Mazda Motor Corporation	Senior Specialist	Data Analysis, Number Theory
MIYAKE Youichiro	Institute of Mathematics for Industry	Guest Professor of the Institute of Mathematics for Industry	Digital Game AI
HIROOKA Mao	Sumitomo Electric Industries, Ltd.	Chief	–
NISHI Masafumi	Itoshima City Office	Chief Manager	building an academic town
TAKENOUCHI Hirokazu	Advanced Integrated Device Laboratories, Nippon Telegraph and Telephone Corporation	Chief	Advanced Integrated Devices
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