

# List of Faculties

## Tokyo Institute of Technology International Graduate Program (B) for applicants seeking scholarships from their home governments Commencing in September 2022

### School of Computing

#### Dept. of Mathematical and Computing Science

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	ENDO, Toshio	High-Performance Computing, Parallel Software	GSIC	• Mathematical and Computing Science
Professor	ITOH, Toshiya	Complexity Theory, Approximation Algorithms, Online Algorithms		• Mathematical and Computing Science
Professor	KANAMORI, Takafumi	Mathematical Statistics, Machine Learning		• Mathematical and Computing Science
Professor	MASUHARA, Hidehiko	Programming Languages, Software Development Environment		• Mathematical and Computing Science
Professor	MINAMIDE, Yasuhiko	Software Verification, Programming Languages		• Mathematical and Computing Science
Professor	MIYOSHI, Naoto	Applied Probability, Stochastic Models, Theory of Point Processes, Queueing Theory		• Mathematical and Computing Science
Professor	NISHIBATA, Shinya	Theory of Partial Differential Equations		• Mathematical and Computing Science
Professor	TAKAYASU, Misako	Statistical Physics, Econophysics, Complex Networks	IIR	• Artificial Intelligence • Mathematical and Computing Science
Professor	TANAKA, Keisuke	Cryptocurrency and Blockchain Technology, Cybersecurity, Theory of Cryptography		• Mathematical and Computing Science
Professor	UMEHARA, Masaaki	Differential Geometry		• Mathematical and Computing Science
Professor	YAMASHITA, Makoto	Mathematical Optimization, Continuous Optimization, Numerical Optimization		• Mathematical and Computing Science
Associate Professor	KASHIMA, Ryo	Mathematical Logic, Non- Classical Logics		• Mathematical and Computing Science
Associate Professor	MIURA, Hideyuki	Theory of Partial Differential Equations		• Mathematical and Computing Science
Associate Professor	MUROFUSHI, Toshiaki	Nonadditive Measures, Set Functions, Piecewise Linear Functions, Information Visualization, Formal Concept Analysis		• Mathematical and Computing Science • Artificial Intelligence
Associate Professor	NAKANO, Yumiharu	Stochastic Differential Equations, Stochastic Control		• Mathematical and Computing Science
Associate Professor	SAKAMOTO, Ryuichi	Computer Architecture, System Software, Low Power System, High Performance Computing	GSIC	• Mathematical and Computing Science
Associate Professor	SHUDO, Kazuyuki	Distributed Systems		• Mathematical and Computing Science
Associate Professor	SUZUKI, Sakie	Knot Theory, Quantum Topology		• Mathematical and Computing Science
Associate Professor	WAKITA, Ken	Information Visualization, Visual Analytics System, user interface, Data Analysis		• Mathematical and Computing Science

Academic Supervisor		Research Field	Remarks	Graduate Major
Associate Professor (Lecturer)	SUMITA, Hanna	Combinatorial Optimization, Discrete Structure, Algorithms		• Mathematical and Computing Science
Associate Professor (Lecturer)	TSUCHIOKA, Shunsuke	Quantum Algebra, Representation Theory		• Mathematical and Computing Science
Assistant Professor	MORI, Ryuhei	Quantum Information, Information Theory, Theoretical Computer Science		• Mathematical and Computing Science