Faculty Members and Concurrent Faculty Members (as of October 2020)

Your advisors must be selected among the faculty members in this list

**Faculty Members**

Professor Shigeru Chiba  
Programming Languages, Software Infrastructure

Professor Takeo Igarashi  
User Interface, Computer Graphics

Professor Akiko Takeda  
Mathematical Optimization, Operations Research

Professor Hiroshi Saruwatari  
Speech and Acoustic Information Processing, Statistical Signal Processing, Machine Learning

Professor Hiroshi Esaki  
Smart Internet, Sensor Network

Professor Masayuki Inaba  
Intelligent Robots, Humanoids

Associate Professor Mary Inaba  
Networks, Supercomputers, Computational Geometry

Associate Professor Hideki Nakayama  
Machine Perception, Natural Language Processing, Machine Learning

Associate Professor Ryota Shioya  
Computer Architecture, System Software, Information Security

Associate Professor Manabu Tsukada  
Computer Network, Cyber Physical Systems

Associate Professor Nobuyuki Umetani  
Computer Graphics, Physics Simulation

Associate Professor Tomoharu Ugawa  
Programming Languages, Garbage Collection

**Concurrent Faculty Members who belong to other departments**

Associate Professor Shinpei Kato (Dept. of Computer Science)  
Operating Systems, Supercomputing, Autonomous Driving

Professor Kunihiko Sadakane (Dept. of Mathematical Informatics)  
Algorithms and Data Structures, Big Data Processing

Professor Hiroshi Nakamura (Dept. of Information Physics & Computing)  
Computer System, IoT/Cyber-Physical System, Computer Architecture

Professor Kenjiro Taura (Dept. of Information & Communication Engineering)  
Parallel and distributed computing, programming languages, big data processing, high-performance computing, and their applications

Professor Tatsuya Harada (Dept. of Mechano-Informatics)  
Real World Intelligent Systems
Associate Professor Shin Matsushima  
(Center for Education and Research in Information Science and Technology)  
learning theory, convex optimization, knowledge discovery, large-scale learning, sparse learning, asynchronous optimization, generalized additive models, subspace clustering  

Associate Professor Kohei Nakajima  
(Center for Education and Research in Information Science and Technology)  
Reservoir Computing, Physical Reservoir Computing, Soft Robotics, Nonlinear Dynamics, Embodiment