

# List of Faculty

## Tokyo Institute of Technology International Graduate Program (C)

### Commencing in September 2022

#### School of Engineering

#### Dept. of Information and Communications Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	FUKAWA, Kazuhiko	Wireless Communications, Wireless Communication Networks, Intelligent Signal Processing, Adaptive Filter Theory		Information and Communications Engineering
Professor	ISSHIKI, Tsuyoshi	System-LSI Design Methodology, Embedded Processor Design		Information and Communications Engineering
Professor	KANEKO, Hirohiko	Visual Information Processing, Human Space Perception, Eye Movements, Multimodal Sensory Interaction		<ul style="list-style-type: none"> <li>• Human Centered Science and Biomedical Engineering</li> <li>• Information and Communications Engineering</li> </ul>
Professor	KOIKE, Yasuharu	Human Interface, Computational Neuroscience		<ul style="list-style-type: none"> <li>• Human Centered Science and Biomedical Engineering</li> <li>• Information and Communications Engineering</li> </ul>
Professor	KUMAZAWA, Itsuo	Neural Networks, Cognitive Science, Image Processing, Image Encoding, Pattern Recognition, User Interfaces	Retire in March 2024	Information and Communications Engineering
Professor	MOTOMURA, Masato	Reconfigurable Hardware, Intelligent Computing, Deep Learning Processor, Annealing Machine		Information and Communications Engineering
Professor	NAKAMOTO, Takamichi	Human Interface, Olfactory Display, Odor Sensing System, Sensor Information Processing		Information and Communications Engineering
Professor	NAKAMURA, Kentaro	Optical Sensing, Applied Acoustic Devices		Information and Communications Engineering
Professor	NAKAYAMA, Minoru	Human Factors, Visual Perception, Language Processing, Educational System Evaluation, Educational Technology	Doctoral program only	Information and Communications Engineering
Professor	OGATA, Wakaha	Modern Cryptography, Cryptographic Protocol, Provable Security	Doctoral program only	Information and Communications Engineering
Professor	OKUMURA, Manabu	Natural Language Processing, Text Summarization, Text Mining, Sentiment Analysis		Information and Communications Engineering
Professor	SLAVAKIS, Konstantinos	Signal Processing, Machine Learning, Data Analytics		<ul style="list-style-type: none"> <li>• Human Centered Science and Biomedical Engineering</li> <li>• Information and Communications Engineering</li> </ul>
Professor	SUZUKI, Kenji	Deep learning, Machine learning, Computer-aided Diagnosis, Biomedical Image Understanding, Artificial Intelligence.		<ul style="list-style-type: none"> <li>• Human Centered Science and Biomedical Engineering</li> <li>• Information and Communications Engineering</li> </ul>

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Professor	TAKAGI, Shigetaka	Integrated Circuits, Circuit Theory	Doctoral program only Retire in March 2024	Information and Communications Engineering
Professor	TAKAHASHI, Atsushi	VLSI CAD, Physical Design, Synchronous Circuits	Doctoral program only	Information and Communications Engineering
Professor	UYEMATSU, Tomohiko	Information Theory, Coding Theory	Doctoral program only	Information and Communications Engineering
Professor	YAMADA, Isao	Signal Processing, Machine Learning, Optimization, Inverse Problems	Doctoral program only	Information and Communications Engineering
Professor	YAMAGUCHI, Masahiro	Optical Imaging and Display, Spectral Imaging, Pathology Image Analysis, Holography		<ul style="list-style-type: none"> <li>· Human Centered Science and Biomedical Engineering</li> <li>· Information and Communications Engineering</li> </ul>
Professor	YAMAOKA, Katsunori	Information and Communication Network	Doctoral program only	Information and Communications Engineering
Visiting Professor	SATO, Imari	Computer Vision, Computer Graphics, Image-Based Modeling and Rendering, Machine Learning	Accept students as a co-supervisor	Information and Communications Engineering
Associate Professor	FUNAKOSHI, Kotaro	Natural Language Processing, Multimodal Dialogue System, Human-Machine Interaction		Information and Communications Engineering
Associate Professor	HARA, Yuko	Low-Energy Embedded Systems, Internet of Things (IoT), Hardware/Software Co-design		Information and Communications Engineering
Associate Professor	HASEGAWA, Shoichi	Physics Engine, Character motion, Haptics, Virtual Reality, Human Computer Interaction, Entertainment Computing		Information and Communications Engineering
Associate Professor	JITSUMATSU, Yutaka	Information Theory, Communication Systems, Information Security	Doctoral program only	Information and Communications Engineering
Associate Professor	KASAI, Kenta	Coding Theory, LDPC Codes, Spatially Coupled Codes	Doctoral program only	Information and Communications Engineering
Associate Professor	KITAGUCHI, Yoshiaki	Network Operations Management, Network Security	Doctoral program only	Information and Communications Engineering
Associate Professor	KUROSAWA, Minoru	Audio Engineering, Acoustic Radiation Force Fluicic Actuator,Echo Location Systems		Information and Communications Engineering
Associate Professor	MATSUMOTO, Ryutaroh	Error-correcting code, information theory, quantum information	Doctoral program only	Information and Communications Engineering
Associate Professor	NAGAI, Takehiro	Color Science and Technology, Material Perception Science, Visual Psychophysics		<ul style="list-style-type: none"> <li>· Human Centered Science and Biomedical Engineering</li> <li>· Information and Communications Engineering</li> </ul>
Associate Professor	NAKAHARA, Hiroki	Reconfigurable Computing,High-Performance Computing,FPGA, Machine Learning		Information and Communications Engineering
Associate Professor	NAKATANI, Momoko	Human Computer Interaction, Service Design, Communication Enhancement, Well-being		Engineering Sciences and Design

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Associate Professor	NISHIO, Takayuki	Wireless Networks, Application of Machine Learning, Federated Learning, Ambient Sensing, Multi-modal System, Resource Coordination		Information and Communications Engineering
Associate Professor	OBI, Takashi	Medical Informatics, Medical Image Processing, Information Security, Secure System		<ul style="list-style-type: none"> <li>· Information and Communications Engineering</li> <li>· Human Centered Science and Biomedical Engineering</li> </ul>
Associate Professor	SASAKI, Hiroshi	Computer Architecture, Computer Security, Computer Systems, Internet of Things (IoT), Workload Characterization		Information and Communications Engineering
Associate Professor	SHINOZAKI, Takahiro	Speech Understanding, Dialogue System, Reinforcement Learning, Machine Learning		<ul style="list-style-type: none"> <li>· Information and Communications Engineering</li> <li>· Human Centered Science and Biomedical Engineering</li> </ul>
Associate Professor	TABARU, Marie	Biomedical Engineering Measurement, Agricultural Engineering Measurement, Acoustic Engineering		Information and Communications Engineering
Associate Professor	WATANABE, Yoshihiro	Computer Vision, Augmented Reality, Digital Archiving, Human-computer Interaction		Information and Communications Engineering
Associate Professor	YOSHIMURA, Natsue	Brain Activity Decoding, Human Interface, Computational Neuroscience		<ul style="list-style-type: none"> <li>· Human Centered Science and Biomedical Engineering</li> <li>· Information and Communications Engineering</li> </ul>
Associate Professor	YU, Jaehoon	Machine Learning, Intelligent Computing, Pattern Recognition, System Architecture		Information and Communications Engineering