

VISUAL INFORMATION PROCESSING

Professor

MATSUYAMA, Takashi, D.Eng. (Kyoto Univ.), *1.Image Understanding, 2.Cooperative Distributed Vision*

Associate Professor

MAKI, Atsuto, Ph.D. (Royal Inst. of Tech. Sweden), *1.Image Understanding, 2.Pattern Recognition*

Assistant Professor

KAWASHIMA, Hiroaki, M.Info. (Kyoto Univ.), *1.Image Understanding, 2.Pattern Recognition*

1. Digital image processing algorithms
2. Visual sensing methods and sensor development
3. Real time video image processing hardware and software
4. Computer vision for three dimensional scenes
5. Knowledge-based image understanding systems for complex natural scenes
6. Cooperative distributed vision for wide area surveillance and monitoring
7. Generation, Visualization, and Editing of 3D Video
8. Human Machine Interaction

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GENE-INFORMATICS

Professor

GOTOH, Osamu, D.Sc. (Univ. of Tokyo), *Bioinformatics*

Associate Professor

YADA, Tetsushi, D.Sc. (Univ. of Tokyo), *Bioinformatics*

Assistant Professor

ICHINOSE, Natsuhiro, D.Eng. (Univ. of Tokyo), *Bioinformatics*

1. Algorithms for biological sequence analysis
2. Mathematical models for biological sequence analysis
3. Prediction of gene structure and function
4. Discovery of motifs in biological sequences

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YADA: yt@i.kyoto-u.ac.jp

ICHINOSE: ichinose@genome.ist.i.kyoto-u.ac.jp

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APPLICATION OF MULTIMEDIA

VIDEO MEDIA

Professor

MINOH, Michihiko, D.Eng. (Kyoto Univ.), *1.Information Media, 2.3D Model Processing, 3.Digital Contents*

Associate Professor

KAKUSHO, Koh, D.Eng. (Osaka Univ.), *1.Visual Media Understanding, 2.Human Computer Communication*

1. Cooperative Distributed Vision for a Classroom
2. Distance Learning System

3. Visual Information Media
4. 3D Shape Model Generation
5. Human Computer Interaction
6. Networked Appliance

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NETWORK MEDIA

Professor

OKABE, Yasuo, D.Eng. (Kyoto Univ.), *1.Multimedia Internetworking, 2.Parallel and Distributed Computing*

Associate Professors

TAKAKURA, Hiroki, D.Eng. (Kyoto Univ.), *1.Network Security, 2. Data Mining*

MIYAZAKI, Shuichi, D.Eng. (Kyushu Univ.), *1.Algorithms, 2.Computational Complexity, 3.Information Security*

1. Design and analysis of algorithms for network problems
2. Quality-aware Multimedia Streaming
3. Automatic configuration, mobility and multi-homing based on IPv6
4. Network security
5. Applying magic protocols for network protocols

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MEDIA ARCHIVING RESEARCH

Professor

KAWAHARA, Tatsuya, D.Eng. (Kyoto Univ.), *1.Speech Processing, 2.Natural Language Processing*

Associate Professor

SAWADA, Atsushi, D.Eng. (Kyoto Univ.), *1.Software Engineering, 2.Software Development Environments*

Assistant Professor

AKITA, Yuya D.Info. (Kyoto Univ.), *1. Speech Processing*

1. Spoken language processing
2. Automatic speech recognition and indexing
3. Information retrieval with spoken dialogue
4. Computer assisted language learning

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AKITA: yuya@media.kyoto-u.ac.jp

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BIOLOGICAL INFORMATION NETWORKS

Professor

AKUTSU, Tatsuya, D.Eng. (Univ. of Tokyo), *Bioinformatics*

Assistant Professor

HAYASHIDA Morihiro, D.Info. (Kyoto Univ.), *Bioinformatics*

1. Algorithms for bioinformatics
2. Protein/RNA structure prediction