

# Technological Directory - Graduate School and Faculty of Information Science and Technology (2020)

## Department of Media Science

Discipline	Field	Expertise	Keyword 1	Keyword 2	Keyword 3	Open to consultations on	Lab	Researcher
Information systems	Informatics	Human computer interaction	Human agent interaction (HAI)	Human-Robot Interaction (HRI)	Intelligent Virtual Agents (IVA)	Research into Non-verbal Behaviors of Agents and Robots Applicable to Multicultural Symbiotic Societies	Human Interface Lab	Tomoko KODA, Professor
Audiovisual information processing	Computer graphics	Geometric modeling and computer rendering	Image processing	Computer graphics	Human interface	Research into practical applications of computer graphics and image processing, development of 3D CAD systems and virtual reality systems	Graphics and Geometry Lab	Kenichi KOBORI, Professor
Information network	Intelligent informatics	Human computer interaction	Human assistance interface	Agent interface	Lifestyle navigation	Robots able to coexist with humans, interaction	Interaction Design Lab	Mutsuo SANO, Professor
Audiovisual information processing	Media informatics	Multimedia information processing	Video and audio processing	Assistive Technology for visual and hearing impaired persons	Speech production modeling	Video and audio processing, visual and hearing impaired support, speech production, e-learning systems, standardization of information technology, museum exhibition technologies, gastrophysics	Multimedia Applications Lab	Makoto HIRAYAMA, Professor
Audiovisual information processing	Informatics	Perception information processing / Intelligent robotics	Spoken language processing	Music information processing	affective computing	Speech recognition, spoken dialog system, music information processing, emotion recognition from speech.	Speech and music Information Processing Lab	Motoyuki SUZUKI, Professor
Linguistics	Semantics/ Pragmatics	Language of cognition/ oxymoron	Interaction of language and context	English and Japanese comparative study	Rhetoric	Language of contingency, polysemy of conjunctions, interpretation process	Linguistics	Ikue TAOKA, Professor
Audiovisual information processing	Media informatics	Virtual reality	Haptic technology	Immersive projection technology	Technologies to generate the sense of motion	Haptic technology, immersive projection technology, technologies to generate the sense of motion	Sensory Media Lab	Wataru HASHIMOTO, Professor
Information systems	Informatics	Natural language processing	Language processing	Artificial intelligence	Machine learning	Text processing system for English / Japanese texts, text and knowledge processing of artificial intelligence, automatic solver for English reading comprehension tests, machine learning	Natural Language Processing Lab	Hirotoishi TAIRA, Associate Professor

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General	Informatics	Sensor information processing, Action recognition	Action recognition	Object recognition	Task modeling	Daily life assistant system based on sensor information	Sensor Information Processing Lab	Kenzaburo MIYAWAKI, Associate Professor
Applied Linguistics	Vocabulary	Vocabulary learning and testing vocabulary knowledge	Vocabulary	Language testing	Automatic Assessment	Second language vocabulary acquisition, vocabulary knowledge testing, learning vocabulary	Learning Vocabulary	Andrew MELLOR, Associate Professor
English Education	Vocabulary	Vocabulary and collocations acquisition	Vocabulary	Scientific English	Movie	Vocabulary, collocations in scientific and technical English, and English education through movies and music performed in English language	Scientific and Technical English Lab	Naoki FURUHI, Associate Professor
Audiovisual information processing	Informatics	Image processing	Image processing	Computer vision	Mixed reality	Image and Video Processing, Computer Vision, Mixed Reality	Visual Information Processing Lab	Norihiko KAWAI, Associate Professor
Information systems	Interactive information systems	Group Interaction Support	Computer Supported Cooperative Work	Human computer interaction	Human Computation	Communication support, Information sharing systems, Motivation support	Communication Design Lab	Taku FUKUSHIMA, Assistant Professor
General	Informatics	Geometric modeling	CAGD	Computer graphics	3D scanning	Geometric modeling, Computer-Aided Geometric Design, 3D scanning	Visual Computing Lab	Yuta MURAKI, Assistant Professor