

Division of Intelligent Mechanical Systems Engineering

Supervising Professors		Main Research Program
Professor	Ichirou ISHIMARU	Ultraprecise measurements and biological cell measurements using optical techniques
Professor	Yukihiko OKUMURA	Development of energy utilization technologies for CO2 emission reduction (Biomass gasification, gas engine, and ammonia burner) Mechanism of pollutant formation, and suppression technologies associated with coal/biomass combustion
Professor	Shuxiang GUO	The design, characteristic evaluation and control of intelligent microsystems for biomedical application
Professor	Fusao SHIMOKAWA	Sensing devises based on micro/nano fabrication technology
Professor	Keisuke SUZUKI	Research on active safety and Human Factors (Human Machine Interface) in road traffic environment
Professor	Hidekuni TAKAO	Integrated microsensors and systems based on semiconductor LSI/MEMS technologies
Professor	Satoru TAKAHASHI	Bioimage informatics
Professor	Hideyuki HIRATA	Material strength, material design and micro devices based on computer simulation technology
Professor	Shoichi MAEYAMA	Autonomous mobile robot and its application to mobile rescue robot
Associate Professor	Hidenori ISHIHARA	Intellectualization and functionalization of robotics
Associate Professor	Daisuke SASAKI	Development of human-friendly robots using pneumatic soft actuators
Associate Professor	Keiko SATO	Information processing of human sensation and perception Color vision mechanism and color universal design
Associate Professor	Kyohei TERAO	Development of bionano devices for the analysis of single cells and single biomolecules
Lecturer	Koh INOUE	Biomechanics of human movement Assistive devices for human movement
Lecturer	Jun-ichiro HAYASHI	Object recognition and human-support system using vision technology