情報アーキテクチャ分野

研究室	修士論文タイトル
藤村	An Indoor Positioning Algorithm without Complicated Initialization Process based on Beacon Technology
藤村	Maintenance scheduling optimization in Continuous processing plants using Genetic Algorithm: A case study in Particleboard processing plant
藤村	Dynamic Relocation for Free-floating Bike Sharing System based on ACO
藤村	Error Sample Card Generation and Detection with DenseNet
藤村	Simulative Analysis of Passenger Flow on Urban Rail Transit
古月	Quasi-linear SVM with Local Offset for High Dimensional Data Classification
古月	Return Prediction based on Discriminating Market Styles with Reinforcement Learning
古月	Efficient Multi-Category Keypoints Detection of Apparel Using Shifted Pyramid Networks
古月	An Improved Attention Mechanism for Sentence Level Sentiment Analysis
古月	Arrhythmias Detection Based on Electrocardiogram Using Deep Learning Approach
古月	A Deep Reinforcement Learning Algorithm for the Protein Folding Problem in the HP Lattice Model
古月	A Study of Generative Adversarial Network Based Image Compression
岩井原	Neural Architectures for Joint Named Entity Recognition and Disambiguation
岩井原	Two-Encoder Pointer-Generator Network for Summarizing Segments of Long Articles
岩井原	Discovering Latent Types of SNS Users' Posting Activities
岩井原	Detection of Bursty and Significant Keyphrases from Wikipedia Edit History
鎌田	ＰＣＡによるガイド画像を用いた多チャンネルバイラテラルフィルタ
鎌田	糖尿病網膜症の重症度評価に基づく眼底画像分類
鎌田	最小二乗法による多項式近似を用いた高速バイラテラルフィルタ
鎌田	Densely Connected AutoEncoders for Lossy Image Compression
鎌田	Forgery Image Detecetion via Mask Filter Banks based FCN
小柳	Improvement of Range Query Processing of Spatial Data Based on HBase
ルパージュ	Extraction of triplets of entities and relations by modeling confidence
ルパージュ	Numerical methods for retrieval and adaptation in Nagao's EBMT model
ルパージュ	PDF to LaTeX reverse engineering for the content analysis of ACL articles
松丸	部分非静的環境における単眼カメラ姿勢推定の安定性改善
松丸	深度カメラを用いたキーボード操作を支援する近距離指差ポインティングシステム
田中	Enhance Human-Computer Interaction Using External Robot Agent in Self-healthcare System
吉江	Automatic region growing property model for multi-directional text reading in natural scene images
吉江	Accelerating super-resolution using Generative Adversarial Network
吉江	Image search from sketch by modified model of GAN

生産システム分野

研究室	修士論文タイトル
李	Weight Initialization of Neural Network in Neuro PID Controller
三宅	Study on H$^+$ interactive communication between biodevice and biology
三宅	Study on electrochemical molecular delivery into adhesive cells through Au-based nanostraws
三宅	ソフトコンタクトレンズ上に搭載された無線給電型バイオデバイスに関する研究
村田	Stock Market Trend Prediction with Sentiment Analysis based on LSTM Neural Network
村田	Production Planning with Product Life Cycle Management to Maximize Total Sales Profits in Closed Loop Supply Chain
村田	Short-term electricity load forecasting based on Feature Engineering with Daily Demand Similarity and PM 2.5 Pollution
村田	Optimal Electric Vehicle Routing for Minimizing Electrical Energy Consumption Based on Hybrid Genetic Algorithm
村田	Multi-Mode Resource Constrained Project Scheduling for Online Plant Maintenance by Goal Programming
村田	Module Configuration Planning under Dynamic Demand with consideration of Service Level
大貝	Nighttime Vehicle Identification Algorithm by Image Processing with Monocular Camera
大貝	Path tracking control and simulation using NMPC
大貝	Traffic Sign Recognition for Autonomous Driving System Based on Multiscale Fast Recognition Method
大貝	A way to create vehicle platooning on expressway based on flocking
大貝	Dynamic Obstacle Avoidance for Autonomous Driving Based on Improved Artificial Potential Field Algorithm
大貝	Path Tracking for Autonomous Vehicle Based on Improved Pure Pursuit Algorithm and Model Predictive Control
大貝	Real Time Nighttime Pedestrian Detection Based on Key Region Motion Perception CNN
大貝	Obstacle Detection and Avoidance for Autonomous Driving by Using Ultrasonic Sensors
大貝	Real-Time Multi-Object Detection and Tracking Based on GPU-Acceleration and MDPs
清水	深層学習による生体の光透視像改善手法の開発
清水	光透視像の連続波長分光解析による生体機能イメージング
清水	Estimation of absorber depth in transillumination image by deep learning
田中	Standing-up Assistance Chair Using User's Power Based on Practical Human Motion
田中	多条ウォームとヘリカルギヤの性能評価と動作補助用ブレーキ機能への適用
立野	ZigBeeを用いた屋内測位システムの開発
巽	Niマイクロメッキ接合を用いたSiCパワーモジュールにおける応力緩和構造の検討
巽	一酸化ケイ素と炭化水素を原料とした炭化ケイ素の合成プロセスに関する研究
巽	共振式疲労試験機を用いたNiマイクロメッキ接合の長期信頼性に関する研究
巽	Cuコアボールを用いた半導体実装用Niマイクロめっき接合技術に関する研究
巽	Niマイクロメッキ接合を用いたステンレス鋼の低温接合技術の検討
巽	SiCパワーモジュールの基板埋込型実装技術の研究
巽	Niナノ粒子を用いたSiCパワーデバイスの接合技術に関する研究
巽	Study on large-diameter Ag wedge bonding on various metal pads for power devices
巽	Effect of Cu addition on the microstructure evolution and reliability of Ni -Sn solder joints
巽	Dielectric breakdown characteristics of epoxy-mica tape insulation system

集積システム分野

研究室	修士論文タイトル
篠原	A low energy consumption comparator with small input offset voltage for TRNG
髙畑	A waveguide-based bidirectional optical delay unit using Bragg reflectors for signal processing