

情報アーキテクチャ分野

研究室	修士論文タイトル
藤村	Anomaly detection based on image latent space by using GAN
藤村	Job Shop Scheduling Problem Solved by Self-adaptive Dispatching Rules Based on Deep Reinforcement Learning
古月	A Study of Multilayer Perceptron Pretraining for Composing Quasi-Linear Kernel
古月	Composite Relational Network for Click-Through Rate Prediction
古月	Image Captioning Evaluation: A Combined Metrics Method Based on BERTScore
古月	Speckle Noise Reduction in Digital Holograms Based on Spectral Convolutional Neural Networks
岩井原	Weakly Supervised Multi-label Text Classification
岩井原	Generating EmotionalRegion and Text Representations for Joint Visual-Textual Sentiment Analysis
岩井原	Identifying Topic Evolutionary Patterns Based on Component Decomposition of Temporal Sequence
鎌田	ガウシアン周辺化による異方ガウシアンフィルタの一般化及びその性能評価
鎌田	直交多項式展開による高速画像ガウス変換を用いた高速バイラテラルフィルタ
鎌田	Video Super-Resolution using Wave-Shape Network
小柳	Research on Shuffle Partitioner to Mitigating Data Skew in Spark
小柳	Study on Flow Table Update Consistency in SDN
ルパージュ	Improving term translation consistency using term entropy and classifying texts into domains
ルパージュ	Automatic HamNoSys annotation of video-based Sign Language Corpus using Machine Learning
ルパージュ	Solving analogies between sentences using vector representations and function interpolation
松丸	三次元空中画像インタフェースを用いた造形インタラクション —ろくろ陶芸の疑似体験—
田中（二）	Build Helper: Intuitive Interaction System for Assembly Tasks using Mixed Reality
田中（二）	Cooperation Between Multiple Markers in Augmented Reality
田中（二）	Combining AR markers with various kinds of markers to enhance user interactions
田中（二）	AR/MRを活用した仮想点字ブロックによる視覚障害者の歩行支援
坪川	Study on MMI based propagation mode converters to higher modes
坪川	Study on dielectric V-groove waveguides with high light confinement
吉江	Graph Global Attention Network for Quantum Chemistry
吉江	Head Guidance NMS Method for Human Detection in Occlusion
吉江	Temporal Space Reinforced Feature Learning for Video Action Recognition
吉江	NMS by Representative Region: Towards Crowded Pedestrian Detection by Proposal Pairing
吉江	Picking up people in a crowd by masking and redetection
吉江	Fine-grained Image Classification by KL-Divergence and Deformable Convolutional Networks
吉江	Painting Style Classification based on Feature Map Correlation

生産システム分野

研究室	修士論文タイトル
犬石	Study on structure and process design of N type lateral IGBT on SOI
犬石	Study on structure and process design of N type lateral IGBT on bulk Si with optimized resurf structures
李	Sliding Mode Control of In-Wheel Motors in Electric Vehicles
李	Drowsy Driving Detection using Neural Network
三宅	Transparent and conductive Au mesh films for smart contact lens applications
三宅	金属製ナノ加工穿孔薄膜スタンプによる細胞内物質導入
三宅	Stretchable wireless-powered resonators printed on moist and soft contact lens
村田	Facility Location Distribution Planning for Emergency Logistics with Probabilistic Distance-Depended Road Availability Model
村田	Delivery Route Planning with Time Windows and Uncertain Vehicle Traveling Time by considering Fuel Consumption and Customer Satisfaction
村田	Stochastic lot-sizing schedule of production and remanufacturing in Closed loop Supply Chain for Construction Waste recycling
村田	SD model for Strategic Capacity Planning for Closed Loop Supply Chain with Collection and Remanufacturing
村田	Multi-AGV path planning based on improved A* algorithm with adding artificial potential field model for avoiding AGV congestion.
村田	Study on Automatic Parameter Tuning Approach of Discrete Brain Storm Algorithm for Combinatorial Optimization Problems
村田	荷下しコストを考慮した最小費用分割配送経路問題の研究
村田	Interval prediction of electricity price based on Improved Bootstrap method with Envelope-based clustering technique
大貝	Designing an Efficient Power Management Strategy Based on the Recharge mode for Power-Split Hybrid Electric Vehicle
大貝	ディーゼルエンジンの低温始動時における排気ガスの改善
大貝	ニューラルネットワークによる快適性モデルの作成とPSOによる空調制御
大貝	磁気センサに基づく自律経路追従制御システム
大貝	Accurate Image Segmentation Based on RCNN for Autonomous Driving
清水	Extraction of blood vessel image by deep learning in NIR transillumination imaging
清水	NIR functional transillumination imaging using original noise reduction for hyperspectral camera
田中（英）	小形密着型階段昇降動作補助装置の開発
田中（英）	A Kinect Sensor-Based Upper-Limb Tele-Rehabilitation System Considering the Motion Feedback with a Vibration Device
立野	Improved Corrosion Prediction Model for Insulated Pipes based on Semi-supervised Learning Method
立野	Area Mapping Method by Clustering Analysis for Indoor Positioning System based on RSSI
立野	携帯型ボードクリーナロボットを用いた汚れ検知デバイスの開発
巽	Niマイクロメッキ接合技術を用いた半導体実装の高温信頼性に関する研究
巽	Study on Ag micro particle addition in nano-Ni based sintering joints for SiC power device
巽	高耐熱パワーデバイス用Niマイクロメッキ接合におけるメッキ条件が機械的特性に与える影響
巽	山形Cuリードを用いた基板埋込型パワーデバイス実装技術の研究

集積システム分野

研究室	修士論文タイトル
池永	Multi-Layer Multi-Task Detection Neural Network for Real-Time Multi-Person Pose Estimation from Monocular Camera