情報アーキテクチャ分野

研究室	修士論文タイトル
藤村	Metal surface defect detection system
藤村	画像認識による液体農薬の残量測定
藤村	AI inference acceleration research based on model compression and embedded GPU
藤村	An Improved Economic Order Quantity Model for B2C E-Commerce Retail
藤村	Multi-objective Optimization in Microgrid using Renewable Energy
藤村	Research on Multi-objective shop scheduling based on improved NSGA-III
藤村	Production Scheduling Management Based on Multi-Agent System
藤村	Abnormal Behavior Detection of Industrial Workers Based on 3D-CNN
古月	Unsupervised Person Re-Identification via Non-Local Hybrid Attention and Camera Label Constraint
古月	A Study of Domain Adaptation for Microscope Image Segmentation
古月	High-Precision Image Registration with Reducing Jacobian Determinant of the Deformation Predicted
岩井原	Keyphrase Generation by Utilizing BART Finetuning and BERT-Based Ranking
岩井原	Multi-Label Text Classification Using Only Label Names
岩井原	Annotating Column Type Utilizing BERT and Knowledge Graph Over Wikipedia Categories and Lists
鎌田	Two-Stage Refinement Network for Nuclei Segmentation in Histopathological Images
鎌田	Classification of COVID-19 on Chest-CT Images Using Higher Order Residual Networks
鎌田	画像ピラミッドの階層性を用いた位相ベースのMotion Magnificationの高速化
鎌田	Spectral Attention-Based Multi-Stage Vision Transformer for Hyperspectral Image Classification
ルパージュ	Data creation for text morphing using sentence analogy
ルパージュ	Increasing the precision of plagiarism detection by using N-gram self-information
ルパージュ	中間文生成によるスタイル変換のためのパラレルデータ拡張
ルパージュ	Laplacian positional embedding for linearization of AMR graphs: application to semantic parsing, text generation and machine translation
田中(二)	Kicking Together: A Remote Football Experience With Interactive Feedback Using Augmented Reality
田中(二)	Fighting with COVID-19: An AR System to Prevent the Spread of the Virus at Shopping Malls
田中(二)	Function Simulation and Instructional Preview Based on Augmented Reality
田中(二)	Online Open Campus Using Remote AR and Avatar for Real Time Communication
田中(二)	飼い主の視線に反応して行動するARペットの研究
田中(二)	Increasing the Walking Exercise Motivation Using Full-body 3D Personalized Avatar in Augmented Reality
田中(二)	Eye-Based Shopping: Gaze-Assisted Interaction and Communication in Offline Shopping
吉江	Feature Fusion Text Clustering Based on Information Quantity
吉江	Surface reconstruction based on multi-view images
吉江	Application of Muti-modal Fusion Attention Mechanism in Semantic Segmentation
吉江	Empathy and Persona Based Arabic Conversational Agent
吉江	フットサルにおけるゴールキーパーの反応時間の変化とその要因の分析
吉江	BoxPaste: A Powerful Mask-free Augmentation Method for Object Detection
吉江	COVID-19 Question Answering System Based on Knowledge Graph

生産システム分野

研究室	修士論文タイトル
犬石	縦型トレンチRC-IGBTの表面及び裏面のセルレイアウトとデバイス構造設計
犬島	Night-Vision Object Detection with Modified CenterNet
李	超小型バイナリー発電プラントのスライディングモード制御系設計
李	Driver's Drowsiness Detection based on Long Short-TermMemory with Whale Optimization Algorithm
李	An Improved Drowsy Driving Detection Method by Removing Abnormalityusing iForest with DBSCAN
大貝	Real-Time Small Obstacle and Object Detection Method by Modified YOLOv3
大貝	A Method for Improving vSLAM Accuracy Based on Vision-Inertial Fusion
大貝	Path Planning Method based on Improved RRT Algorithm
大貝	Kinematic-model-based Predictive control with the correction of PID method for autonomous vehicle
大貝	A Fast Lane Detection System based on Modified Line-CNN for Autonomous Driving
大貝	Damage Detection of Bridge Structure based on Sparse Overcomplete Autoencoder
大貝	Pedestrian Trajectory and Intention Prediction based on improved LSTM Method
大貝	ヘッドライト路面反射光を用いた交差点高所からの車両検出
大貝	Trajectory planning method for autonomous vehicles by using modified quadratic programming
大貝	Lane Detection in Challenging Scenarios by Two-task Deep Learning Network for Autonomous Driving
大貝	Traffic sign recognition and detection method based on improved YOLOV4 for autonomous driving
田中(英)	A Door Recognition and Opening Assistance System Based on Kinect and YOLO for Wheel Chair User
立野	Improvement of Adaptability to RSSI-based Positioning System using Scaling Circle Method
巽	Al-Al connection by using Ni electroless plating and electroplating
巽	Niマイクロメッキを用いたステンレス材料の接合部の機械的性質に関する研究
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実装構造の研究

集積システム分野

研究室	修士論文タイトル
大澤	Linearity-Enhanced Compute-In-Memory Macro Using Floating Gate Transistors
篠原	A Side-Channel Attack Resilient Strong PUF Using Pre-Charge Logic in Address Circuits