研究室	修士論文タイトル
藤村	時間枠制約付きタスク割り当て問題のモデルおよび解法
藤村	Accuracy Improvement of Order Quantity Forecasting on E-commerce Sales using Hybrid Method
藤村	All-in-one approach to solving multiple pickers routing problem
藤村	Job shop scheduling with deep reinforcement learning based on shop states and modified network
藤村	Process time series data prediction based on robust and sparse twin support vector regression with Huber pinball loss
古月	Improving IR-based Bug Localization by Learning Stack Traces Representation with Auto-encoder
古月	Hand-Object Interaction 3D Hand Reconstruction Using Graph Convolutional Neural Networks
古月	High-Efficiency Flow-Guided Video Object Detection
古月	Transformer-based Long-Short Term Sequential Recommendation with Interest Capsules
岩井原	Improving Topic- and Context-Focused Summarization by Fine-tuning Pretrained Language Models
岩井原	A Multi-Task Learning Network Using Shared BERT Models for Aspect-Based Sentiment Analysis
岩井原	Link Prediction for Wikipedia Articles Based on Temporal Title Embedding
岩井原	A Data Augmentation Approach for Annotating Web Table Columns by Knowledge Base Classes
鎌田	Multi-Scanning Based Recurrent Neural Network for Hyperspectral Image Classification
鎌田	Validation Feedback based Image Transfer Network for Data Augmentation
鎌田	Pneumonia Detection on Chest X-Rays With Attention Mask Data Augmentation
鎌田	Adaptive Image Compression Using GAN based Semantic-Perceptual Residual Compensation
鎌田	Skin Lesion Classification Using Weakly-Supervised Fine-Grained Method
鎌田	Polynomial Approximation Based Spectral Dual Graph Convolution for Semantic Segmentation
小柳	Dynamic Data Stream Load Balancing Strategy for Apache Flink
小柳	Blockchain Privacy Protection Scheme Based on Pedersen Commitment and Ring Signature
小柳	Distributed Intrusion Detection Based on Random Forest With Clustering for Internet of Things
小柳	Research on Enhancing Consensus Mechanism for Blockchain
ルパージュ	Generating the middle sentence of two sentences using pre-trained models: a first step for text morphing
ルパージュ	Pastiche produced by using style transfer techniques: application to writing aid
ルパージュ	JointQAモデルによる質問応答精度向上の日本語データセットJAQKETへの適用検討
松丸	深度データを用いたサッカーにおけるハンドボール反則の実時間判定.
松丸	指関節検出と手形状識別にもとづく中国式手数字の認識.
田中（二）	Social Fitme: A Fully Personalized Virtual Try-on System Using Embodied Avatars
田中（二）	Personalfit: An Interactive Virtual Try-on System Based on Realistic 3d Garments
坪川	A Waveguide Coupler Design for Efficient Coupling to a Multicore Fiber
吉江	Text-to-Image Synthesis via Causal Inference and Self-Attention
吉江	Joint Extraction of Entities and Relations Using Distant and Near Supervision
吉江	Frame Processing Optimization of the Object Tracking Pipeline for Equirectangular Video Format
吉江	A Multi-Attention Recommendation Model for User-Item Rating Prediction Task
吉江	Emotion Source Identification in Group Discussion
吉江	Target Enhancement With Spatiotemporal Information for Object Tracking Under Changing Environment
吉江	Improving Performance of Speech Emotion Recognition for Children's Speech Using Neural Style Transfer
吉江	Real-time spatial adaptive compression tracking
吉江	A GPS-Free Entry and Exit Recognition Method for Smartphone Power Saving

研究室	修士論文タイトル
犬石	DC/AC特性改善に向けたn-top 電界緩和構造を備えた横型PチャネルSOI-IGBTのデバイス構造研究
犬島	機械学習による橋梁の劣化診断
犬島	機械学習による内装ゴミ処理車配置モデル
犬島	Vehicle network system for Emergency alarm under safety using mobile terminal
犬島	複数の広角カメラを用いた自動車周辺識別システム
三宅	Alcohol/O2 biofuel cells using enzyme/carbon nanotube fibers
三宅	人工トンネルナノチューブ膜による高効率な細胞内物質導入
三宅	コンタクトレンズ上に搭載可能な薬剤放出システムの開発
村田	Worker Allocation on U-shaped production Line for Maximizing Throughput under Uncertain Setup time
村田	Interval Prediction Method of Wind Power Generation based on Improved Boot Strap Method and Weather Data
村田	Production Makespan with Worker's Fatigue Accumulation Model
村田	Supply Chain Risk Reduction by using Fuzzy AHP Model and Fuzzy Goal Programming
大貝	電気自動車における回生エネルギーの最大化
大貝	姿勢推定を用いた動作解析による高齢者の見守りシステムの構築
大貝	自動運転におけるカメラ遮蔽率の研究
大貝	自動運転におけるMulti-LiDARを用いた自己位置推定
大貝	FPS-DS-SLAM: A Feature-Point Based Stereo-SLAM for Dynamic Scenes
大貝	A method based on YOLOv3 for target detection in autonomous driving
清水	Attempt to formulate light spread through scattering medium − To suppress image blur for optical transillumination imaging of animal body −
清水	Simulation of ultrasonic chirp-wave propagation for time-reversed optical focusing in turbid medium using phase-conjugate light
清水	New technique for depth estimation with blurred 2D transillumination image using focus-stacking method
田中（英）	持ち上げ動作補助スーツの快適性および高補助力化の両立に向けた開発
田中（英）	A wearable haptic system for motion indication based on the asymmetric vibration
田中（英）	Various stairs climbing strategies of the walking assistive device by using the RGB-D camera
立野	エレベーターのハンドポスチャー操作システム及びカメラ設置の最適化
立野	電波強度の信頼度判断に基づく屋外測位法
立野	メッシュ型ネットワークにおけるスリープ機能実装に関する研究
立野	ホワイトボード清掃を目的とした壁面移動ロボットにおける画像処理による汚れの推定
巽	Niマイクロメッキ接合法を用いたステンレス製構造材料の低温接合技術に関する研究
巽	Niマイクロメッキ接合（NMPB）を用いた基板埋込型SiCパワーモジュールの研究

研究室	修士論文タイトル
池橋	A Mode Localized Tilt Sensor With Ultra-small Stiffness Coupling Spring
池永	End-to-end CNN with Selective Kernel Based Fusion and Inverse Tone-mapping Based Up-sampling for High-resolution HDR Imaging of Dynamic Scenes
大澤	A Compact ReRAM Crossbar Array Architecture for Low Power Weight Implementations based on Wheatstone Bridge Circuit
大澤	Analog Neuromorphic In-Memory Vector-Matrix Multiplier based on Floating Gate Transistor Array Architecture
大澤	A New MTJ/CMOS Hybrid Circuit with a Low Error Rate in Power-on Data Loading
渡邊	A Global Congestion-Aware Routing Algorithm for Network-on-Chips based on Reinforcement Learning