

## 2018年3月度 修士論文タイトル

### 情報アーキテクチャ分野

研究室	卒業論文題目
岩井原	Study on Relationship Between SNS Users' Posting Activities and Their Interests Finding Related Events Based on Bursty Phrase Detection and Clustering Extracting Ontologies from Wikipedia Infoboxes for Generating Table Schema
吉江 古月	Bidirectional LSTM-CNN model for named entity classification in Web text Neural Network Based Kernel Learning Method for One-Class Support Vector Machine A Study of Neural Programmer-Interpreters with Attention and Deep Residual Network for Generating Codes Hierarchical Multi-label Classification Using Dynamic Local Multi-layer Perceptrons A Study of Auto-Encoder Based Feature Fusion for Protein GO Annotation Cascaded Fully Convolutional Networks for Object Boundary Detection A Kernel Learning Method to SVR Based Model for Nonlinear System Identification
小柳	A User Scheme Change Mechanism for Ciphertext-Policy Attribute Based Encryption Access Control in Cloud Computing Improving Detection of Wormhole-Attacks in Mobile IPv6-Based Wireless Sensor Networks
坪川	Study on nanosize dielectric optical splitters with slot waveguide structures
田中（二）	Joining Together - An Outdoor Running Support System based on Augmented Reality Running Support System in Realistic 3D Map Using Body Movements 3次元物体操作におけるVRとARの効果 Supporting telepresence communication by using augmented reality
藤村	INTEGRATED ORDER DATA MANAGMENT SYSTEM FOR FOOTWEAR INDUSTRIES IN ETHIOPIACase: Sheba Leather Industry Shoe Business Unit Research on indoor positioning algorithm for moving track analysis based on beacon fingerprinting Research on customer loyalty on social commerce

### 生産システム分野

研究室	卒業論文題目
犬石	横型SOIパワーデバイスの高性能、高耐圧化に関するRESURF構造設計の研究
犬島	IMUを用いたSLAMシステムの性能向上 Automatic Parking Control for home parking space
村田	Optimization of Pricing Strategy with Multi-Level Discount for Demand management of Perishable Products 適応型灰色予測モデルを用いた新興都市の電力負荷需要予測の研究 配送タイムウインドウとサービスレベルを考慮した配送計画最適化 Micrblog Opinion Mining of new products for customer experience analysis based on DAG and AHP Models Dynamic Vehicle Relocation Scheduling for Car Sharing Service System based on Markov chain model and GA Adaptive ARIMA Model based on Lazy Learning Algorithm for Short Term Electric Load Forecasting
大貝	ばねエンジンシステムの基礎研究 カメラベース3次元形状モデルを用いた道路危険箇所推定マップの開発 Wi-Fi Fingerprinting Localization System based on KNN and NN Autonomus driving android application based on goole map 単眼カメラによる道路標識認識システム
巽	拡散接合用Niナノ粒子の合成と後処理に関する研究 Reliability study of Ag/Ag alloy wire bonding with various bonding pads compared with Au & Cu wire for LED devices and Si devices 発電機用アルミナポリマーコンポジットの絶縁性と熱伝導性に関する研究 電解Niメッキを用いたステンレス材の接合方法の研究 Niマイクロメッキを用いたパワーデバイス耐熱実装の接合信頼性に関する研究 基板埋め込み型SiCパワーモジュール接続技術の研究 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 Study on Stress Relaxation Structure of Chip Interconnection Formed by Nano-Ag Paste Study on Low Temperature Bonding for Stainless Steel by using Nano-Ni particles.
田中（英）	歩行補助機におけるヒューマンインタフェースの開発 Development of the Kinect-based assistance exoskeleton for upper limbs
李	BPNNを用いた超小型バイナリー発電プラントのNeuro PID制御 Convolutional Neural Network PID control for Thermal fusion bonding panel
立野	車両運転時における覚醒度推定システムの開発 災害時における安全確保のための歩行路状態推定手法の検討 Development of Remote Monitoring System based on Mesh Networking ニューラルネットワークを用いた運動状態推定手法における特徴量の選定 Real-time Vehicle Detection System Based on Improved Temporal Context Algorithm Combined with YOLO Indoor Location Tracking Method Based on Fusion Pedestrian Dead-Reckoning and Access Point Selection Method

### 集積システム分野

研究室	卒業論文題目
吉村	K-means Clustering based Switch Insertion for Topology Synthesis of Application Specific Network-on-Chip
篠原	High Efficiency and No Information Leakage Secure Sketch for High Reproducibility PUF
池永	Visual Saliency and Enhanced Mask Blending based Robust Multi-exposure Fusion for Ghost-free High-dynamic-range Imaging
木村	A Complete Genetic Algorithm Based SAT Solver by Combining CDCL Algorithm