

Project List 2020

Machine Learning/Web Mining/Data Mining

Code	Title
MACHINELEARNING1	Poverty Level Characterization via Feature Selection and Machine Learning
MACHINELEARNING2	Analysis of Agricultural Features
MACHINELEARNING3	Detection of Epileptic Seizures with Support Vector Machine Algorithm
MACHINELEARNING4	Detecting Malicious Behavior in Microservice Based Web Applications
MACHINELEARNING5	Keyword Extraction Based on word Synonyms Using WORD2VEC
MACHINELEARNING6	Sentiment Analysis of Turkish and English Twitter Feeds Using Word2Vec Model
MACHINELEARNING7	Small and Unbalanced Data Set Problem in Classification
MACHINELEARNING8	Performance Predicting in Hiring Process and Performance Appraisals Using Machine Learning
MACHINELEARNING9	Classification and Prediction of Network Abnormal Data Based on Machine Learning
MACHINELEARNING10	Design of a Classification Model for a Twitter-Based Streaming Threat Monitor
MACHINELEARNING11	An Iterative Algorithm of Key Feature Selection for Multi-class Classification
MACHINELEARNING12	Application Research of Machine Learning Method Based on Distributed Cluster in Information Retrieval
MACHINELEARNING13	A Link Prediction Algorithm by Unsupervised Machine Learning
MACHINELEARNING14	Research on Machine Learning Methods for Intelligent Decision Problems
MACHINELEARNING15	Interactive Learning for Identifying Relevant Tweets to Support Real-time Situational Awareness
MACHINELEARNING16	Relationship Network Augmented Web Services Clustering
MACHINELEARNING17	Twitter sentiment analysis using adaptive neuron-fuzzy inference system with genetic algorithm
MACHINELEARNING18	Rule Induction and Prediction of Chronic Kidney Disease Using Boosting Classifiers, Ant-Miner and J48 Decision Tree
MACHINELEARNING19	Early Detection of Kidney Disease Using ECG Signals Through Machine Learning Based Modeling
MACHINELEARNING20	Implementation of Diabetic Retinopathy reduction System using Data Mining
MACHINELEARNING21	Disease Influence Measure Based Diabetic Prediction with Medical Data Set Using Data Mining
MACHINELEARNING22	A Study of Tree Based Machine Learning Techniques for Restaurant Reviews
MACHINELEARNING23	A Recommender System Based on Omni-Channel Customer Data
MACHINELEARNING24	Prescriptive Cluster-Dependent Support Vector Machines with an Application to Reducing Hospital Readmissions
MACHINELEARNING25	Neural Collaborative Embedding From Reviews for Recommendation
MACHINELEARNING26	Classifying User Reviews at Sentence and Review Levels Utilizing Naïve Bayes
MACHINELEARNING27	A Distributed Deep Learning System for Web Attack Detection on Edge

	Devices
MACHINELEARNING28	A Survey on Deception Techniques for Securing Web Application
MACHINELEARNING29	Semantic Information Retrieval based on Topic Modeling and Community Interests Mining
MACHINELEARNING30	Sentiment Analysis on Twitter Data using R
MACHINELEARNING31	Predicting and Defining B2B Sales Success with Machine Learning
MACHINELEARNING32	Forecasting Promotional Sales Within the Neighbourhood

Artificial Intelligence

Code	Title
AI1	Artificial Intelligence for Law Enforcement: Challenges and Opportunities
AI2	An attention-based neural framework for uncertainty identification on social media texts
AI3	Outcome-Oriented Predictive Process Monitoring with Attention-based Bidirectional LSTM Neural Networks
AI4	Interface for Querying and Data Mining for NYC Yellow and Green Taxi Trip Data

Cloud Computing

Code	Title
Cloud1	DCStore: A Deduplication-Based Cloud-of-Clouds Storage Service
Cloud2	Customizing Multi-Tenant SaaS by Microservices: A Reference Architecture
Cloud3	Visualizing Weather Financial Impact on Industries and Weather Derivatives
Cloud4	Building a Single Page Application Web Front-end for E-Learning site
Cloud5	Inferring the Deployment of Top Domains over Public Clouds using DNS Data
Cloud6	Software Versioning with Microservices through the API Gateway Design Pattern
Cloud7	Software as a Service operation model in cloud based ERP systems
Cloud8	Designing a Sales Prediction Model in Tourism Industry and Hotel Recommendation Based on Hybrid Recommendation

Wireless Sensor Network and Networking

Code	Title
WSN1	Fuzzy based Adaptive Cluster Head Selection for Wireless Sensor Networks Download Link- https://ieeexplore.ieee.org/document/8844907/
WSN2	Performance Analysis of Energy Conservation Techniques for Wireless Sensor Networks Download Link- https://ieeexplore.ieee.org/document/8842742
WSN3	An Energy-Efficient Region Source Routing Protocol for Lifetime Maximization in WSN Download Link- https://ieeexplore.ieee.org/document/8844730/
WSN4	Application Specific Energy Aware and Reliable Routing Protocol for Wireless Sensor Network Download Link - https://ieeexplore.ieee.org/document/8843687/
WSN5	A Method to Improve the Security of Information Diffusion in Complex Networks—Node Trust-Value Management Mechanism Download Link - https://ieeexplore.ieee.org/document/8843868
WSN6	On Secure Wireless Sensor Networks with Cooperative Energy Harvesting Relaying Download Link- https://ieeexplore.ieee.org/document/8840828/
WSN7	Multi-Energy Threshold-based Routing Protocol for Wireless Sensor Networks

	Download Link - https://ieeexplore.ieee.org/document/8837090/
WSN8	Energy Efficient Cluster head selection for Wireless Sensor Network: A Simulated Comparison Download Link- https://ieeexplore.ieee.org/document/8837086
WSN9	Approximation Algorithm for Relay Node Placement in Singled-Tiered Wireless Sensor Networks Download Link- https://ieeexplore.ieee.org/document/8834312
WSN10	A Method to Improve the Security of Information Diffusion in Complex Networks—Node Trust-Value Management Mechanism Download Link- https://ieeexplore.ieee.org/document/8834312
WSN11	On Secure Wireless Sensor Networks with Cooperative Energy Harvesting Relaying Download Link- https://ieeexplore.ieee.org/document/8840828/
WSN12	Multi-Energy Threshold-based Routing Protocol for Wireless Sensor Networks Download Link- https://ieeexplore.ieee.org/document/8837090
WSN13	Energy Efficient Cluster head selection for Wireless Sensor Network: A Simulated Comparison Download Link- https://ieeexplore.ieee.org/document/8837086/
WSN14	Cooperative Routing for Energy Efficient Underwater Wireless Sensor Networks Download Link - https://ieeexplore.ieee.org/document/8836604/
WSN15	Approximation Algorithm for Relay Node Placement in Singled-Tiered Wireless Sensor Networks Download Link- https://ieeexplore.ieee.org/document/8834312
WSN16	A Machine Learning Approach of Load Balance Routing to Support Next-Generation Wireless Networks Download Link- https://ieeexplore.ieee.org/document/8766546
WSN17	A Game-Theoretical Approach for Energy-Efficient Resource Allocation in MEC Network Download Link- https://ieeexplore.ieee.org/document/8761727
WSN18	Resource Allocation Optimization in the NFV-Enabled MEC Network Based on Game Theory Download Link- https://ieeexplore.ieee.org/document/8761912
WSN19	A Clustering Routing based on Dijkstra Algorithm for WSNs Download Link- https://ieeexplore.ieee.org/document/8717279

Smart Antenna

SA1	Beamforming for Cooperative Secure Transmission in Cognitive Two-Way Relay Networks Download Link - https://ieeexplore.ieee.org/document/8720181
SA2	Beamsteering and Beamshaping Using a Linear Antenna Array Based on Particle Swarm Optimization Download Link- https://ieeexplore.ieee.org/document/8852645
SA3	Adaptive Beam Tracking with the Unscented Kalman Filter for Millimeter Wave Communication Download Link- https://ieeexplore.ieee.org/document/8851228
SA4	Joint Beamforming and Relay Selection in AF Two-Way Relay Networks With Energy Transfer Download Link- https://ieeexplore.ieee.org/document/8850317
SA5	An improved Adaptive BeamForming Algorithm for 5G Interference-coexistence communication Download Link- https://ieeexplore.ieee.org/document/8849961
SA6	Interference and Coverage Analysis for Indoor THz Communications with Beamforming Antennas

	Download Link- https://ieeexplore.ieee.org/document/8849958
SA7	Beamforming Design for Large-Scale Antenna Arrays Using Deep Learning Download Link- https://ieeexplore.ieee.org/document/8847377
SA8	Energy Efficiency Maximization for Wirelessly Powered Sensor Networks With Energy Beamforming Download Link- https://ieeexplore.ieee.org/document/8846223
SA9	Relay Selection with Beamforming for Coverage Extension Download Link- https://ieeexplore.ieee.org/document/8845277
SA10	Robust Adaptive Monopulse Beamforming with Low-Sidelobes Download Link- https://ieeexplore.ieee.org/document/8835664
SA11	Fast Iterative Interpolated Beamforming for Interference DOA Estimation in GNSS Receivers Using Fully Augmentable Arrays Download Link- https://ieeexplore.ieee.org/document/8835724
SA12	Off-grid DOA Estimation with Arbitrary-Spaced Linear Array using Single Snapshot Download Link- https://ieeexplore.ieee.org/document/8835669
SA13	Innovative DOA Estimation Algorithm based on Lyapunov Theory Download Link- https://ieeexplore.ieee.org/document/8847398
SA14	Spatial Smoothing PAST Algorithm for DOA Tracking Using Difference Coarray Download Link- https://ieeexplore.ieee.org/document/8844823
SA15	Coprime Array Interpolation for Direction of Arrival Estimation Based on Atomic Norm Minimization Download Link- https://ieeexplore.ieee.org/document/8835649
SA16	Extended DOA-Matrix Method for DOA Estimation via Two Parallel Linear Arrays Download Link - https://ieeexplore.ieee.org/document/8822958
SA17	Joint Detection and the AoA Estimation of Noncoherent Signals in Multi-Element Antennas Download Link- https://ieeexplore.ieee.org/document/8823557
SA18	Extended DOA-Matrix Method for DOA Estimation via Two Parallel Linear Arrays Download Link- https://ieeexplore.ieee.org/document/8822958
SA19	Performance of MUSIC Algorithms For DOA Estimation for Coherent And Non Coherent Detection Download Link- https://ieeexplore.ieee.org/document/8822172
SA20	A Real-Valued Polynomial Rooting Method for Fast Direction of Arrival Estimation With Large Uniform Linear Arrays Download Link- https://ieeexplore.ieee.org/document/8821350