

37ABCDEFGHIJKLMN OPQRSTUVWXYZ

3

37ABCDEFGHIJKLMN OPQRSTUVWXYZ

3-Branch-Line Coupler with Harmonic Suppression by Using Short Stubs

3-Branch-Line Coupler with Harmonic Suppression by Using Short Stubs

3.7GHz Band Planar Antenna for 5th Generation Mobile Communication System

3D Point Cloud Reconstruction Based on Stereo Camera and RTK-GPS with High Accuracy Under Sequential Correction

3D Point Cloud Reconstruction Based on Stereo Camera and RTK-GPS with High Accuracy Under Sequential Correction

7

37ABCDEFGHIJKLMN OPQRSTUVWXYZ

700MHz Band Planar Antenna for Inter-Vehicle Communication System and Mobile Phone

A

37ABCDEFGHIJKLMN OPQRSTUVWXYZ

A Caching Method for Disk Images of Multiple Virtual Machines

A Caching Method for Disk Images of Multiple Virtual Machines

A Classification Method Based on Multi-Decision Framework Using Regression Model

A Classification Method Based on Multi-Decision Framework Using Regression Model

A Comparative Approach to Naïve Bayes Classifier and Support Vector Machine for Email Spam Classification

A Comparative Approach to Naïve Bayes Classifier and Support Vector Machine for Email Spam Classification

A Deep Learning-Based Intelligent Anti-Collision System for Car Door

A Deep Learning-Based Intelligent Anti-Collision System for Car Door

A Design for IoT Based Smart Watering System Using LoRa

A Design for IoT Based Smart Watering System Using LoRa

A Design of a Concealed Fingerprint Access Control System Based on Commodity Smartphones and APP Software

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A Feasibility Study on Bioimpedance-Based Plethysmogram Detection Focusing on Measurement Frequency and Electrodes Size

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A FIWARE IoT Agent for ECHONET Lite Protocol

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A Frame Rates Stabilization Scheme for Cloud Distributed Live Video Processing Systems

A Frame Rates Stabilization Scheme for Cloud Distributed Live Video Processing Systems

A Home Appliance Control System with Hand Gesture Based on Pose Estimation

A Lightweight Deep Network for 3D Medical Image Segmentation

A Method for Requesting Power-Conservation Considering Diversification of Consumers' Behavior in an Electricity Market

A Method for Requesting Power-Conservation Considering Diversification of Consumers' Behavior in an Electricity Market

A Mobile Application for Offline Handwritten Character Recognition

A Mobile Application for Offline Handwritten Character Recognition

A Mobile Auditory Brain-Computer Interface System with Sequential Auditory Feedback

A Mobile Auditory Brain-Computer Interface System with Sequential Auditory Feedback

A New Design Guideline for Mobile Learning Application: Transactional Distance Perspective

A New Design Guideline for Mobile Learning Application: Transactional Distance Perspective

A Node-Style Visual Programming Environment for the nuXmv Model Checker

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A Novel Algorithm Checking for the Line Layout in a Factory

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A Novel CanSat-Based Implementation of the Guidance Control Mechanism Using Goal-Image Recognition

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A Novel Iris Verification Framework Using Machine Learning Algorithm on Embedded Systems

A Novel Iris Verification Framework Using Machine Learning Algorithm on Embedded Systems

A Numerical Analysis of Improvement of Vibration Generator for Variable Frequency by Internal Capacitor Cancel Control Rectifier

A Numerical Loss Analysis of High Step-down DC-DC Converter Using Dual 2-Stage Cockcroft-Walton Circuit

A Pluvial Flood Nowcasting Approach Using Knowledge Distillation

A Pluvial Flood Nowcasting Approach Using Knowledge Distillation

A Portable Functional Electrical Stimulation Device for Walking Motion Modification

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A Proposal of IoT Device Cooperation System Using Smart Mirror and Biological Information

A Proposal of IoT Device Cooperation System Using Smart Mirror and Biological Information

A Proposal of Virtual Personal Area Network System Which Enables Direct Communication with PAN Devices in Remote Locations

A Prototype of Smart Parts Supporting Electrical Experiments at School

A Quantization Matrix Design Using Total Variation for Sparse Representation-Based Image Coding

A Quantization Matrix Design Using Total Variation for Sparse Representation-Based Image Coding

A Study of a Bus Stop That Displays the Current Location of the Bus to Increase User Convenience

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A Study on Estimation of Traveling Direction for Pedestrian Dead Reckoning by Using Inertial Sensors

A Study on Estimation of Traveling Direction for Pedestrian Dead Reckoning by Using Inertial Sensors

A Study on Frequency Response Analysis of Micro-Speaker Using Equivalent Circuit and Finite Element Method

A Study on Indoor Positioning Based on Attitude and Distance Estimations

A Study on Indoor Positioning Based on Attitude and Distance Estimations

A Study on Minimum Spectral Error Analysis of Speech

A Study on Minimum Spectral Error Analysis of Speech

A Study on Publicize Method in Special Visiting of Registered Tangible Cultural Properties

A Study on the Minimum Display Time of Characters at the Gazing Point During Reading

A Study on the Minimum Display Time of Characters at the Gazing Point During Reading

A User-Centered Interface Design for a Pill Dispenser

A Virtual Play Environment and Game Strategy Analysis System Using Imitation Learning Agents

A Visual Monitoring Method for Infants in a Room

A Visual Monitoring Method for Infants in a Room

Accuracy Evaluation of Corridor Width Estimation Using RGB-D Camera

Accuracy Evaluation of Corridor Width Estimation Using RGB-D Camera

Adaptive Visualization of Gas Distribution Using Augmented Reality Glasses

Age-Dependent Degradation Estimation Focusing on Dynamic Features of Head Motion in Daily Conversation

Age-Dependent Degradation Estimation Focusing on Dynamic Features of Head Motion in Daily Conversation

An Estimation Method of Calorie Intake Using Photograph and Depth Image of Dishes in Medical Facilities

An Estimation Method of Calorie Intake Using Photograph and Depth Image of Dishes in Medical Facilities

An Estimation Method of Road Narrowing Condition in in-Vehicle Camera

An Estimation Method of Visibility Level Based on Low Rank Matrix Completion Using Positional Relationship of GPV Data

An Implementation of ECHONET Lite Web API Gateway for DER Management

An Implementation of ECHONET Lite Web API Gateway for DER Management

An Investigation of End-to-End Speech Recognition Using Model Adaptation for Dysarthric Speakers

An Investigation of End-to-End Speech Recognition Using Model Adaptation for Dysarthric Speakers

An Iris Recognition System Implementation with Error Correction Capability by Reusing WiFi Standard LDPC Codes

An Iris Recognition System Implementation with Error Correction Capability by Reusing WiFi Standard LDPC Codes

An Open-Source Web API Implementation for ECHONET Lite

An Open-Source Web API Implementation for ECHONET Lite

An Optimized Implementation of AES-GCM for FPGA Acceleration Using High-Level Synthesis

An Optimized Implementation of AES-GCM for FPGA Acceleration Using High-Level Synthesis

Analysis and Estimation of Sentence Speakability for English Pronunciation Evaluation

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Analysis of Badminton Players' Eye Movements and Motions Using a Wireless Eye Movement Measuring Device and Ultra High Definition Video

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Analysis of Gaze Point Distribution Affected by Observation Conditions When Viewing Video Clips

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Analysis of Refactored Code Vulnerability and Assessment

Analysis of Refactored Code Vulnerability and Assessment

Analysis of Session Variability for Online Signature Verification Using Local Stability-Weighted DTW

Analysis of Session Variability for Online Signature Verification Using Local Stability-Weighted DTW

Analysis of the Relationship Between University Attendance and Grades by Data Mining

Analysis of the Relationship Between University Attendance and Grades by Data Mining

Analysis on the Dimensionality Reduction Using Domain Ontology for Clustering Algorithms

Analysis on the Dimensionality Reduction Using Domain Ontology for Clustering Algorithms

Angle Estimation Network Using Polar Transformation for Object Classification

Angle Estimation Network Using Polar Transformation for Object Classification

Animal Behavior Classification Using DeepLabCut

Animal Behavior Classification Using DeepLabCut

Apparel Generation via Cluster-Indexed Global and Local Feature Representations

Apparel Generation via Cluster-Indexed Global and Local Feature Representations

Applicability of DBSCAN in Identifying the Candidates of New Positions in On-Body Smartphone Localization Problem

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Application of Back Propagation to Hospital Patient Outcomes

Application of Consumer-Grade Colorimeters to Non-Destructive Bending-Strength Evaluation of Cedar Wooden-Shingle Boards

Applying a Local Search for the Uncapacitated p -Median Problem to the Capacitated Problem

Approach of a Coding Conventions for Warning and Suggestion in Transpiler for Rust Convert to RTL

Approach of a Japanese Co-Occurrence Words Collection Method for Construction of Linked Open Data for COVID-19

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Approach of a Solution Construction Method for Mesh Router Placement Optimization Problem

Approach of a Solution Construction Method for Mesh Router Placement Optimization Problem

ArriveW: An Application for General-Purpose Information Presentation by Using Position and Azimuth Sensors

Assist Timing Decision Method for Wire Type Walking Assist Suit by Hip Joint Angular Acceleration

Audible Sound Enhancement Based on Carrier with Periodic Square-Wave for Parametric Loudspeaker

Audible Sound Enhancement Based on Carrier with Periodic Square-Wave for Parametric Loudspeaker

Auditory Physiology Based Emotion Recognition System

Auditory Physiology Based Emotion Recognition System

Automatic Detection of Chewing and Swallowing Using Hybrid CTC/Attention

Automatic Generation of Art Exhibitions from the Internet Resources

Automatic Generation of Background Computer Graphics by Deep Learning According to User's Preference

Automatic Generation of Eye Gaze Corrected Video Using Recursive Generative Adversarial Networks

B **37ABCDEFGHIJKLMNPQRSTUVWXYZ**

BERT-Based Automatic Text Scoring for Collaborative Learning

Big Traffic Data Analytics for Smart Urban Intelligent Traffic System Using Machine Learning Techniques

Big Traffic Data Analytics for Smart Urban Intelligent Traffic System Using Machine Learning Techniques

Bio-Inspired Salamander Robot Leg Design for Uneven Terrain

Bio-Inspired Salamander Robot Leg Design for Uneven Terrain

Bionic Shrimp Paddle-Type Mechanism and Its Realization

Bionic Shrimp Paddle-Type Mechanism and Its Realization

Blockchain-Based Incentive System for Public Trash Bin

Blockchain-Based Incentive System for Public Trash Bin

Blockchain-Based Optimization of Energy Management Systems with Demand Response

Blockchain-Based Optimization of Energy Management Systems with Demand Response

Boat Noise Detection Using a Gated Recurrent Unit for Boat Notification System

Boosting Binary Neural Networks for FPGA

Boosting Binary Neural Networks for FPGA

C

37 A B C D E F G H I K L M N O P Q R S T U V W

Camera Based Presentation Support System for Multiscreen Venue Using Laser Pointer

Camera Based Presentation Support System for Multiscreen Venue Using Laser Pointer

Chip and System Design of Real Time Object Detection Based on LS-R-YOLO Network

Chip and System Design of Real Time Object Detection Based on LS-R-YOLO Network

CNN-LSTM-Network Based Robot Localization Using Spherical Images of Neighboring Places

Code Coverage Similarity Measurement Using Machine Learning for Test Cases Minimization

Code Coverage Similarity Measurement Using Machine Learning for Test Cases Minimization

Coding Efficient Motion Estimation Rate Control for H.265/HEVC

Coding Efficient Motion Estimation Rate Control for H.265/HEVC

Combined Architectures of Denoising Filter and Local Binary Patterns Feature Extraction

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Comparative Experiment of SPIN and SMT in Model Checking of Embedded Assembly Program

Comparative Experiment of SPIN and SMT in Model Checking of Embedded Assembly Program

Comparison of Temperature Rise in DC Electrolytic Capacitor for Three-Phase Voltage-Fed Inverter

Complexity Evaluation of Medical Image Data for Classification Problem Based on Spectral Clustering

Computational Complexity Suppression of Precoding for OOBE Reduction of OFDM Signals

Computational Electromagnetics Model of Electric Guitar Using 2.4-GHz Band Monopole Antenna

Context Analysis and Estimation of Mobile Users Considering the Time Series of Data

Context Analysis and Estimation of Mobile Users Considering the Time Series of Data

Convolutional Neural Networks Memory Optimization Inference with Splitting Image

Correlation Analysis Between Tennis Swing Features and Tennis Skillfulness Using Six-Axis Sensor

Coupled Inductor-Assisted Current-Fed Snubber-Less Zero-Current-Soft Switching High Step-Up DC-DC Converter for Fuel Cell Power Interface

Cross-Domain Recommendation via Multi-Layer Graph Analysis Using User-Item Embedding

Curb Height Estimation Using 2DLiDAR Mounted on e-Bike

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CycleGAN-Based High-Quality Non-Parallel Voice Conversion with Spectrogram and WaveRNN

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D

37ABCDEFGHIJKLMN OPQRSTUVWXYZ

Daily Load Profile Modeling Considering Residential Consumers' Routine Activities

Dam Water Overflow Estimation Using Time Series

Dam Water Overflow Estimation Using Time Series

Dancing on the Palm: A Multi-Modal MR Interaction Between Real and Virtual World

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Data Augmentation for Deep Learning Using Generative Adversarial Networks

Data Augmentation for Deep Learning Using Generative Adversarial Networks

Data Augmentation Using User Attention for Educational Content Recommendation Based on FFM

Data Augmentation Using User Attention for Educational Content Recommendation Based on FFM

Data Model for Registered Tangible Cultural Properties Using Linked Data

Deep Pedestrian Distance Estimation from Single-Shot Image

Deep Pedestrian Distance Estimation from Single-Shot Image

Demonstration of a Noncontact Infection Screening System Based on RGB-Thermal-Imaging Processing for Detection of Patients with Suspected Infectious Disease

Demonstration of a Noncontact Infection Screening System Based on RGB-Thermal-Imaging Processing for Detection of Patients with Suspected Infectious Disease

Design and Implement a Smart Intercom System with Remote Interactive Control

Design and Implement a Smart Intercom System with Remote Interactive Control

Design and Implement the Convenient Home Appliances Control with Instant Messaging Software

Design and Implement the Convenient Home Appliances Control with Instant Messaging Software

Design and Implementation of Asynchronous Serial Digital Data Transmission Decoder

Design and Implementation of Asynchronous Serial Digital Data Transmission Decoder

Design and Implementation of Data Communication and Compression Methods in SIGMA Framework

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Design of a Data Auto-Select System Using Data Catalog for Smart Home

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Design of Low-Complexity YOLOv3-Based Deep-Learning Networks with Joint Iris and Sclera Messages for Biometric Recognition Application

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Detection of Estrus in Cattle by Using Image Technology and Machine Learning Methods

Detection of Estrus in Cattle by Using Image Technology and Machine Learning Methods

Development and Application of a Surgical Process Simulation System Using VR Technology

Development of a Low-Latency and Real-Time Automatic Speech Recognition System

Development of a Web Browsing Support System Using Eye Movements

Development of a Web Browsing Support System Using Eye Movements

Development of an Interactive Educational Tool to Experience Machine Learning with Image Classification

Development of an Interactive Educational Tool to Experience Machine Learning with Image Classification

Development of an Interactive Robot for More Natural Communication

Development of an Interactive Robot for More Natural Communication

Development of an Interactive Semantic Medical Image Segmentation System

Development of Biofeedback Device Using Optimal EMG Frequency Band for Prevention Muscle Fatigue

Development of Programming Materials Using Gameplay RPA

Development of Programming Materials Using Gameplay RPA

Difficulty in Estimating Visual Information from Randomly Sampled Images

Difficulty in Estimating Visual Information from Randomly Sampled Images

Discriminator Soft Actor Critic Without Extrinsic Rewards

Discriminator Soft Actor Critic Without Extrinsic Rewards

DRAIN Asynchronization for Cyclic Throughput Fluctuation of CUBIC TCP and TCP BBR

DRAIN Asynchronization for Cyclic Throughput Fluctuation of CUBIC TCP and TCP BBR

Driver Drowsiness Detection Based on Humantenna Effect for Automotive Safety Systems

Driver Drowsiness Detection Based on Humantenna Effect for Automotive Safety Systems

Drone Fleet Rental Decision Support Based on Iterative Resource-Constrained Scheduling

Drone Fleet Rental Decision Support Based on Iterative Resource-Constrained Scheduling

E **37ABCDEFGHIJKLMNPOQRSTUVWXYZ**

Easy Detection of Rare Dementia Based on Speech Analysis

ECNet: A Fast, Accurate, and Lightweight Edge-Cloud Network System Based on Cascading Structure

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Educational Games for Cybersecurity Awareness

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Effect of Data Augmentation on DNN-Based VAD for Automatic Speech Recognition in Noisy Environment

Effect of Data Augmentation on DNN-Based VAD for Automatic Speech Recognition in Noisy Environment

Effect of Static Stretching Using Foot Stretching Device in the Elderly: An Interim Report

Effective Placement of Throat Microphones for Speech Recognition

Effective Placement of Throat Microphones for Speech Recognition

Effective Tooth Excitation Position for an Implanted Dental-bone Conduction Hearing Aid

Effective Tooth Excitation Position for an Implanted Dental-bone Conduction Hearing Aid

Effectiveness of Fine Linear Frequency Spectral Feature for Acoustic Event Detection

Efficient Zooming Without Resolution Loss in Streaming Video Using 8K Video Sources

Efficient Zooming Without Resolution Loss in Streaming Video Using 8K Video Sources

Elderly Monitoring and Action Recognition System Using Stereo Depth Camera

Elderly Monitoring and Action Recognition System Using Stereo Depth Camera

Electric Field Communication Using a Wide Metal Plate as the Transmission Path

Emotional Communication Assist Interface App for People with Dysarthria

Emotional Communication Assist Interface App for People with Dysarthria

Emotional Space by Combining Recognition and Unification Tasks Using Multimodal DNN

English-Japanese Machine Translation for Lecture Subtitles Using Back-Translation and Transfer Learning

Enhancement of Angry Birds Level Generation from Sketches Using Cycle-Consistent Adversarial Networks

Enhancement of Angry Birds Level Generation from Sketches Using Cycle-Consistent Adversarial Networks

Error Protection and Correction for Block Compressive Sensing over the Binary Symmetric Channels

Error Protection and Correction for Block Compressive Sensing over the Binary Symmetric Channels

Estimation for Direction of Signal Arrival Based on Area Density of Estimated Lines for Ultrasonic Sensor Array

Estimation for Direction of Signal Arrival Based on Area Density of Estimated Lines for Ultrasonic Sensor Array

Estimation of Images Matched with Audio-Induced Brain Activity via Modified DGCCA

Estimation of Number of WakeLocks with Accelerated Android

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Estimation of User-Specific Visual Attention Considering Individual Tendency Toward Gazed Objects

Estimation of Viewed Images Using Individual and Shared Brain Responses

Evaluation of a 429 MHz Band Multiple Folded Planar Inverted-F Antenna near the Human Body

Evaluation of Energy Conversion Efficiency in Gait by Using a Portable Motion Capture Device

Evaluation of Enhanced Password Authentication Using Device Stored Random Number

Evaluation of QoS Under the Network with SPQ, FRER and FP

Evaluation of Quality, Productivity, and Defect by Applying Test-Driven Development to Perform Unit Tests

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Evaluation of the Real-Time Indoor Location and Motion Direction Estimation System Applying DNN to RSSI Fingerprints of BLE Beacons

Event Analysis for Vehicle Classification Using Fast RCNN

Event Analysis for Vehicle Classification Using Fast RCNN

Evolution of Mate-Choice Copying Adapted to Environmental Changes

Evolution of Mate-Choice Copying Adapted to Environmental Changes

Examination of Image Features Considering Short-Term Changes in Plant Water Stress

Exhaustive Pavement Inspection on Residential Roads Using Car-Mounted Cameras and U-Net

ExKaldi: A Python-Based Extension Tool of Kaldi

Extension of JPEG XS for Two-Layer Lossless Coding

Extension of JPEG XS for Two-Layer Lossless Coding

Extracting Features of Body Sway for Baggage Weight Classification

Extracting Features of Body Sway for Baggage Weight Classification

Extrapolation of Spatial Transfer Functions for Primary Reflections with Equivalent Sources

Extrapolation of Spatial Transfer Functions for Primary Reflections with Equivalent Sources

F 37ABCDEFGHIJKLMN**OPQR**STUVW

Face Synthesis via User Manipulation of Disentangled Latent Representation

Facial Age Estimation by Curriculum Learning

Facial Age Estimation by Curriculum Learning

Fail-Safe Ad Hoc Transmission Algorithm for Low-Price Rice Cultivation Management System

Fail-Safe Ad Hoc Transmission Algorithm for Low-Price Rice Cultivation Management System

Feature Detection and Classification of Cow Motion for Predicting Calving Time

Feature Detection and Classification of Cow Motion for Predicting Calving Time

Filler Prediction Based on Bidirectional LSTM for Generation of Natural Response of Spoken Dialog

Filler Prediction Based on Bidirectional LSTM for Generation of Natural Response of Spoken Dialog

Flight Traffic Visual Analytics During COVID-19

Flight Traffic Visual Analytics During COVID-19

Frequency Shift Keying and Error Correction Technique for Robust Electrostatic Coupling Intra-Body Communication

Frequency Shift Keying and Error Correction Technique for Robust Electrostatic Coupling Intra-Body Communication

G 37ABCDEFGHIJKLMN**OPQR**STUVW

Gas Flow Simulations for Olfactory Displays to Synchronize Videos

Gas Flow Simulations for Olfactory Displays to Synchronize Videos

Generation of Figures with Controllable Posture Using Ss-InfoGAN

Group Working Differential Evolution

H 37ABCDEFGHIJKLMN**OPQR**STUVW

Hardware Resource Reliability Analysis Based on Deep Learning for Virtual Machine Deployment Optimization

Heat Stroke Prevention System for Young Athletes

Heat Stroke Prevention System for Young Athletes

HEVC Video Coding with Deep Learning Based Frame Interpolation

HEVC Video Coding with Deep Learning Based Frame Interpolation

High-Precision/Throughput Growth Measurement of Crops by Drone with Stereo Matching Based on RTK-GNSS and Single Camera

Horseback Archery VR Based on Multiple Sensors

HumTouch: Localization of Touch on Cylindrical Object

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I

37ABCDEFGHIJKLMNQRSTUW

Image Processing and Statistical Analysis Approach to Predict Calving Time in Dairy Cows

Image Processing and Statistical Analysis Approach to Predict Calving Time in Dairy Cows

Image Transformation Network for Privacy-Preserving Deep Neural Networks and Its Security Evaluation

Implementation of a Behavioral Recognition Sensor for Understanding Interactive Communication Situation of the Elderly

Implementation of a Distributed Timing Control Method Based 32.2 Channel Loudspeaker Array

Implementation of a Distributed Timing Control Method Based 32.2 Channel Loudspeaker Array

Implementation of MCDM Techniques for Estimating Regional Education Development in Myanmar

Implementation of MCDM Techniques for Estimating Regional Education Development in Myanmar

Implementation of Misbehaviour Driving Detection and Alert System

Implementation of Misbehaviour Driving Detection and Alert System

Important Scene Prediction of Baseball Videos Using Twitter and Video Analysis Based on LSTM

Improve Visibility of Nighttime Camera Images for Pedestrian Recognition on Curve Road

Improvement in Communication Performance of Intra-Body Communication via Impedance Adjustment

Improving HEVC Coding Efficiency Using Virtual Long-Term Reference Pictures

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Improving Pronunciation Clarity of Dysarthric Speech Using CycleGAN with Multiple Speakers

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Incremental Response Generation Using Prefix-To-Prefix Model for Dialogue System

Incremental Response Generation Using Prefix-To-Prefix Model for Dialogue System

Initial Study on Classification of Japanese Paper by Kozo Name Using EfficientNet with Digital Camera

Integration of Accent Sandhi and Prosodic Features Estimation for Japanese Text-To-Speech Synthesis

Integration of Accent Sandhi and Prosodic Features Estimation for Japanese Text-To-Speech Synthesis

Intelligibility Improvement for Remote Speech Communication Between Different Noise Environment

Intelligibility Improvement for Remote Speech Communication Between Different Noise Environment

Interactive e-Book Linking Text and Multiview Video

Interest Level Estimation Based on Feature Integration Considering Distribution of Partially Paired User's Behavior, Videos and Posters

Intra-Body Communication Using a Thin Two-Layer Receiving Electrode

IoT Service Development and Deployment Platform "Elgar" and Its Application to Smart Parking

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K [37ABCDEFGHIJKLMN OPQRSTUW](#)

Kernel Based Cache Effect on Blockchain Node Synchronization

L [37ABCDEFGHIJKLMN OPQRSTUW](#)

Learning from Noisy Labeled Data Using Symmetric Cross-Entropy Loss for Image Classification

Learning-Based Image Restoration Method for Blurred License Number Plate Images

Learning-Based Image Restoration Method for Blurred License Number Plate Images

Legibility Estimation for Projected AR Contents

Legibility Estimation for Projected AR Contents

Leveraging Temporal Joint Depths for Improving 3D Human Pose Estimation in Video

Leveraging Temporal Joint Depths for Improving 3D Human Pose Estimation in Video

Lévy Flight for Distribution-Based Discrete Particle Swarm Optimization

LJSing: Large-Scale Singing Voice Corpus of Single Japanese Singer

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Localization Without Pose by Spherical Image

Low-Latency Hybrid Delivery System Using Digital Terrestrial Television Broadcasting and the Internet

Low-Memory Implementation of Authenticated Encryption Algorithm SAEAES on ARM Cortex-M0 Microcontroller

Low-Memory Implementation of Authenticated Encryption Algorithm SAEAES on ARM Cortex-M0 Microcontroller

LSTM Model for Single to Dual Track Piano MIDI File

LSTM Model for Single to Dual Track Piano MIDI File

M [37ABCDEFGHIJKLMN OPQRSTUW](#)

Method of Facilitating Touch Operation for NFC by Touch Sensor Detecting NFC Antenna of IC Card

Method of Facilitating Touch Operation for NFC by Touch Sensor Detecting NFC Antenna of IC Card

Millimeter Wave Characteristics of Copper Sintered Transmission Line

Model-Based Sensor System for Measuring Gas Concentration by Ultrasound

Model-Based Sensor System for Measuring Gas Concentration by Ultrasound

Monitoring Test for Bed Care Motion Using Smart Textiles Embedding a Hetero-Core Optical Fiber Sensor

Monitoring Test for Bed Care Motion Using Smart Textiles Embedding a Hetero-Core Optical Fiber Sensor

Motion-Tolerant Method for Extracting Spatially Distributed Visible Light IDs

Motion-Tolerant Method for Extracting Spatially Distributed Visible Light IDs

Multi-Agent Based Container Microservices for Remote File Storage System

Multi-Agent Based Container Microservices for Remote File Storage System

Multi-Plane Phase Detection Autofocus for 8K Three-Chip Color Imaging Cameras

Multi-Sound Source Localization in Time Domain Using Voting Mechanism

Multi-Sound Source Localization in Time Domain Using Voting Mechanism

Multilingual Acoustic Model Training Based on Phoneme Set Conversion

Multimodal User Interface for QR Code Based Indoor Navigation System

Multimodal User Interface for QR Code Based Indoor Navigation System

Multiple Regression for Rainfall Estimation Using Right/Left-Hand Circularly Polarized Signals

Multiple Regression for Rainfall Estimation Using Right/Left-Hand Circularly Polarized Signals

Music Playlist Generation Based on Reinforcement Learning Using Acoustic Feature Map

N

37ABCDEFGHIJKLMNO**PQRSTUVWXYZ**

Near-Infrared Image Colorization by Convolutional Neural Network with Perceptual Loss

Near-Infrared Image Colorization by Convolutional Neural Network with Perceptual Loss

Negative Confidence Recommendation System Avoids Local Solution Based on User's Negative Reactions

Negative Confidence Recommendation System Avoids Local Solution Based on User's Negative Reactions

Non-Contact Digital Signage Allowing Users to Change Contents with Their Face Orientation

Numerical Analysis of Dispersion Characteristics of a Designed Photonic Crystal Fiber with a Plane Wave Expansion (PWE) Method

Numerical Analysis of Dispersion Characteristics of a Designed Photonic Crystal Fiber with a Plane Wave Expansion (PWE) Method

Numerical Simulation of Room Transfer Function Extrapolation Using the Equivalent Source Method

Numerical Simulation of Room Transfer Function Extrapolation Using the Equivalent Source Method

O

37ABCDEFGHIJKLMNO**PQRSTUVWXYZ**

Object Detection, Classification and Counting for Analysis of Visual Event

Object Detection, Classification and Counting for Analysis of Visual Event

Occurring SNIs for Service Identification

Occurring SNIs for Service Identification

On Near-Infrared Optical Properties of Ethanol for a Wearable Blood Alcohol Sensor

On Near-Infrared Optical Properties of Ethanol for a Wearable Blood Alcohol Sensor

On Non-Reference Speech Intelligibility Estimation Using DNN De-Reverberation

On the Influence of Using Quantized Images on Machine Learning Algorithms

On the Influence of Using Quantized Images on Machine Learning Algorithms

Opening Area and Circularity of the Lips During Whistling

Opening Area and Circularity of the Lips During Whistling

Opera Singing Voice Synthesis Considering Vowel Variations

Operating System Resource Management for FPGA

Operating System Resource Management for FPGA

Operation Method for Display Device Using QZSS and Acceleration Sensors

P

37ABCDEFGHIJKLMNO**PQRSTUVWXYZ**

PAPR and OOB E Suppression of OFDM Signal Using Deep Learning

Pedestrian - Vehicle Collision Avoidance Support System by Using Fussy Reasoning

Pedestrian - Vehicle Collision Avoidance Support System by Using Fussy Reasoning

Performance Evaluation of Shared Library Supporting Multi-Platform for Overlay Network Protocol

Person Re-Identification by Two-Stream Feature-Fusion Architecture Utilizing a Partial Body Image

Person Re-Identification by Two-Stream Feature-Fusion Architecture Utilizing a Partial Body Image

Personal Identification by Learning-Based Integration of Facial and Clothes Similarities

Personal Identification by Learning-Based Integration of Facial and Clothes Similarities

Physical Unclonable Function Using Carbon Resistor

Physical Unclonable Function Using Carbon Resistor

Pitching Motion Matching Based on Pose Similarity Using Dynamic Time Warping

Pitching Motion Matching Based on Pose Similarity Using Dynamic Time Warping

Player's Stress Reduction in Competitive Online Game by Presenting Calm Scent

Policy Transfer from Simulation to Real World for Autonomous Control of an Omni Wheel Robot

Practicality Study of Head-Mounted Display-Based System Using Perspective Transformation

Predicting Calving Time of Dairy Cows by Exponential Smoothing Models

Predicting Calving Time of Dairy Cows by Exponential Smoothing Models

Prediction of Lane Number Using Results from Lane Detection

Prediction of Lane Number Using Results from Lane Detection

Prediction of Rainfall Based on Deep Learning and Internet of Things to Prevent Landslide

Prediction of Rainfall Based on Deep Learning and Internet of Things to Prevent Landslide

Privacy-Aware User Watching System Using 2D Pose Estimation

Privacy-Aware User Watching System Using 2D Pose Estimation

Progress Diagnosis Support System for Rheumatoid Arthritis

Progress Diagnosis Support System for Rheumatoid Arthritis

Proposal and Experimental Results of a DNN Based Real-Time Recognition Method for Ohsonic Style Fingerspelling in Static Characters Environment

Proposal and Experimental Results of a DNN Based Real-Time Recognition Method for Ohsonic Style Fingerspelling in Static Characters Environment

Proposal for Server Integrated Management System Using Zabbix for Blockchain-Based NTMobile

Proposal of a Method to Solve the Group Temporal Key Mismatch Between IoT Devices

Proposal of a Method to Solve the Group Temporal Key Mismatch Between IoT Devices

Proposal of an Approach to Generate VDM++ Specifications from Natural Language Specification by Machine Learning

Proposal of an Approach to Generate VDM++ Specifications from Natural Language Specification by Machine Learning

Proposal of Congestion Mitigation Method Using Guide Schedule in Theme Park

Proposal of Life Monitoring System for the Elderly Using Voice Interactive Robot

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Proposal of NTMobile System Model Using vCPE for Operational Efficiency

Proposal of Quantized Tree-LSTM and Its Experimental Evaluation

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Proposal of Spoken Interactive Home Doctor System for Elderly People

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Prototype of Sand Concentration Measurement System Using the Internet of Things

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Prototype System for User-Interface-Design Recommendation Using Collaborative Filtering

Prototype System for User-Interface-Design Recommendation Using Collaborative Filtering

Pseudo Ground Truth Segmentation Mask to Improve Video Prediction Quality

Q

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QR Code Without Impairing the Scenery and Detection System for the Visually Impaired

Quantization and Channel Coding for Control Systems with Rate Limited Channels

Question Answering for Estimation of Seen Image Contents from Multi-Subject fMRI Responses

R

37ABCDEFGHIJKLMNOPQRSTUVWXYZ

Rainbow with Episodic Memory in Deep Reinforcement Learning

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Rate Adaptive P2P Stream Merging for Hybrid Sensor Data Recovery

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Real-Time Monitoring and Early Warning System for Landslide Preventing in Myanmar

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Realization of a Tablet-Based Device for Body-Braille

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Rear-Lamp Localization with Real-Coded Genetic Algorithm at Nighttime

Rear-Lamp Localization with Real-Coded Genetic Algorithm at Nighttime

Reconfigurable Hardware Architecture Design and Implementation for AI Deep Learning Accelerator

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Reinforcement Learning Based Adaptive Video Streaming on Named Data Networking

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Report of the Present Situation of Cultural Property Information Database

Report of the Present Situation of Cultural Property Information Database

Report Search Function Using TFIDF for PBL Education

Research for Unique Venue of Cultural Properties Made by Bricks in Japan

Research for Unique Venue of Cultural Properties Made by Bricks in Japan

Research on the Less Stress Acquisition Method for the Activity Information of Actual Residents Using the International Standard ECHONET Lite

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Road Crack Detection Using U-Net

Road Crack Detection Using U-Net

Robust User Watching System Using Multiple Technologies

Robustness in Environmental Prediction Using Human Sensitivity Based on Statistical Mechanics of Spin Model

Robustness in Environmental Prediction Using Human Sensitivity Based on Statistical Mechanics of Spin Model

Rollover Detection of Infants Using Posture Estimation Model

Rollover Detection of Infants Using Posture Estimation Model

S

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Self-Attention Based Neural Network for Few Shot Classification

Self-Attention Based Neural Network for Few Shot Classification

Separation of Multiple Sound Sources in the Same Direction by Instantaneous Spectral Estimation

Separation of Multiple Sound Sources in the Same Direction by Instantaneous Spectral Estimation

Sequence-To-One Neural Networks for Japanese Dialect Speech Classification

Shape-Variation Crawler Mechanism with Four Foldable Legs for Constant Platform Posture

Shape-Variation Crawler Mechanism with Four Foldable Legs for Constant Platform Posture

Simple Dedicated Energy Beamforming in Random-Beamforming Distributed Microwave Power Transfer

Simple Dedicated Energy Beamforming in Random-Beamforming Distributed Microwave Power Transfer

Smart Cash Tray for Mobile Payment

Smart Cash Tray for Mobile Payment

SNS Fatigue Extraction by Analyzing Twitter Data

SNS Fatigue Extraction by Analyzing Twitter Data

Software Model Checking for Real-Time Properties of Embedded Assembly Programs Based on Lazy Abstraction and Refinement

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Sound Localization Accuracy in 2.5 Dimensional Local Sound Field Synthesis

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Sound Quality Improvement of Extracted Sound from Video with Rolling-Shuttered Camera

Sound Quality Improvement of Extracted Sound from Video with Rolling-Shuttered Camera

Sparse Independent Vector Analysis Based on Mel Filter

Sparse Independent Vector Analysis Based on Mel Filter

Spoken Term Detection Based on Acoustic Models Trained in Multiple Languages for Zero-Resource Language

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Stochastic Model Predictive Control of Energy Management Systems with Human in the Loop

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Study of Tourism Proposal System Using AI

Study on a Method of Estimations QoS for In-Vehicle Network with SPQ of IEEE802.1

Study on Affect of GCL of Time-Aware Shaper on QoS for IEEE802.1 TSN Networks

Study on Appropriate IdleSlope Value of Credit Based Shaper for QoS Control on In-Vehicle Ethernet

Study on Improvement of Estimation Accuracy in Pose Estimation Model Using Time Series Correlation

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Subspace-Dependent Adjacency Matrix Design via Discrete-Continuous Optimization

Subspace-Dependent Adjacency Matrix Design via Discrete-Continuous Optimization

Successive Japanese Lyrics Generation Based on Encoder-Decoder Model

Successive Japanese Lyrics Generation Based on Encoder-Decoder Model

Swallowing Evaluation by Estimating Bolus Velocity Changes Due to Different Viscosities

Swallowing Evaluation by Estimating Bolus Velocity Changes Due to Different Viscosities

T

37ABCDEFGHIJKLMN OPQRSTUVWXYZ

Target Recognition Function and Beam Direction Control Based on Deep Learning and PID Control for Optical Wireless Power Transmission System

Text Classification Using Convolutional Neural Network by Genetic Algorithms

Text Classification Using Convolutional Neural Network by Genetic Algorithms

Text/Language-Independent Unknown Speaker Rejection Method Using LSP Codes

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The Humanoid Robot/Camera System for Teaching YOGA Exercise Motions

The SIGMA Framework for Managing Spatiotemporal Data Acquired by Various Cameras and Sensors

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The System to Measure Around Shape for Health Management

The System to Measure Around Shape for Health Management

Theoretical Analysis of Illumination-Light VN-CSK Based Equal-Weight (2, 2) VSS with MPOMS Balancer

Tilling Depth Control of Compact Plowing Robot Toward Home Gardens

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Time-Domain Equalization Using Neural Network with Arbitrary Decision Delay

Time-Domain Equalization Using Neural Network with Arbitrary Decision Delay

Timing Analysis of Wireless Sensor Network on Processors Communication

Timing Analysis of Wireless Sensor Network on Processors Communication

Towards a Variable Audio Spot Using Flexible Parametric Array Loudspeakers

Towards Efficient Neural Network on Edge Devices via Statistical Weight Pruning

Towards Efficient Neural Network on Edge Devices via Statistical Weight Pruning

Training DNN Model with Secret Key for Model Protection

Trajectory Prediction with Imitation Learning Reflecting Defensive Evaluation in Team Sports

Trajectory Prediction with Imitation Learning Reflecting Defensive Evaluation in Team Sports

Transfer Learning Model for Image Segmentation by Integrating U-Net++ and SE Block

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Transmitter Control for Harmonics Reduction in Inductive Power Transfer System

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Tree-Based Keyword Search Algorithm over the Visual Paradigm's Class Diagram XML to Abstracting Class Information

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Two Dimensional Indoor Localization with Multiple Leaky Coaxial Cables

Two Dimensional Indoor Localization with Multiple Leaky Coaxial Cables

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Underwater Visible Light Communication Using Phase-Shift Keying and Rolling-shutter Effect

V [37ABCDEFGHIJKLMN OPQRSTUW](#)

Varying Human Whistle Pitch Without Varying Oral Cavity Shape While Enlarging the Larynx Using a Vocal Tract Model

Varying Human Whistle Pitch Without Varying Oral Cavity Shape While Enlarging the Larynx Using a Vocal Tract Model

Verification of Visibility Improvement by Perceptual Sensitivity Correction in Line Display

Verification of Visibility Improvement by Perceptual Sensitivity Correction in Line Display

Visibility Level Estimation in Winter CCTV Images Based on Decision Level Fusion Using Logistic Regression

Visualization System for Air Traffic Data

Visualization System for Air Traffic Data

Visualization System of Measured and Simulated Sound Intensities with Mixed Reality

Visualization System of Measured and Simulated Sound Intensities with Mixed Reality

Visualizing Strumming Action of Electric Guitar with Wrist-worn Inertial Motion Sensors

Vizclass: Making Computer Graphics Video Lecture from a Script

W [37ABCDEFGHIJKLMN OPQRSTUW](#)

Water Waste Detection and Activity Recognition at the Sink Towards Promoting Water Conservation

Water Waste Detection and Activity Recognition at the Sink Towards Promoting Water Conservation

Weighted LDA Using Metadata for Extracting Topics Needed by Teachers

Weighted LDA Using Metadata for Extracting Topics Needed by Teachers

Wheelchair Accessibility Evaluation with Deep Learning Using a Sensing Acceleration Data-Based Spectrogram

Wheelchair Accessibility Evaluation with Deep Learning Using a Sensing Acceleration Data-Based Spectrogram

Wireless Energy Beamforming Using Time-Domain Filters in Frequency Selective Channels

