

3D Foot Model Construction from Photos, Model Segmentation, and Model Alignment

3D-CLDNN: An Effective Architecture on Deep Neural Network for sEMG-Based Lower Limb Abnormal Recognition

A 39GHz 5-Bit Switch Type Phase Shifter Using 65Nm CMOS Technology

A 5.2 GHz Haft-Watt Fully-Integrated CMOS Power Amplifier

A Calculation Method of Degree of Data Indication Regions in First-Person View Videos for Improvement Transportation

A Color Compensation Method Using Inverse Camera Response Function for Multi-exposure Image Fusion

A Detection Method of Viewers' Interests Based on POV for 360-Degree Internet Live Broadcasting in Mobile Environment

A Digital Picture Story System with Touch Operation -Development and Evaluation via Workshop-

A Dual-Resonance Matching Circuit for Magnetic Resonance Wireless Power Transfer Systems

A Fast Diagnosis for Classification of Re-Used Li-Ion Batteries for PV & EV Systems Based on the ANN Estimation Technique

A Fusion Method for Low-Illumination Color Image Enhancement on CIELUV Space

A Graph Fourier Transform Based Method for Missing Temperature Data Detection

A Lightweight XOR-PUF Structure for Resource Constrained Smart Device

A Linear Programming Model for Power Flow Control Problem Considering Controllable and Fluctuating Power Devices

A Low Phase Noise Variation Voltage-controlled Oscillator with a Full Wilson Current Mirror

A Low-Hardware-Complexity Rate Control Scheme for High Efficiency Video Coding

A Magnetic Field Sensor Array as an Universal Smart Home Control Device

A MATLAB Implementation of the Emerging HTJ2K Standard

A Method for Handwriting Analysis of Signature Using Mahalanobis Distance

A Method for Predicting Importance of Attack Players Based on Multiple Gaze Tracking Data in Soccer Videos

A Model for Latency-Optimal Placement of Virtualized Network Functions over Hierarchical Datacenters

A Narrow-Area Specific Messaging System for Tsunami Evacuation

A New Noninvasive Blood Glucose Detection Technology for Mobile Phones or Smartphones

A Novel AR Whiteboard System and Usability Study

A Novel Correlator Design for Improved Tracking of CBOC-Modulated Navigation Signals

A Novel Data Packing Technique for QC-LDPC Decoder Architecture Applied to NAND Flash Controller

A Novel Pulse Wave Analyzer for Personal Health Monitoring

A Numerical Analysis of Current Waveforms in Circulating Current Control Circuit with the Third Harmonics for Vibration Generator

A Performance Evaluation of Object Detections by Progressive Quality Improvement Approach

A Policy Recommendation to Resolve the E-Health Privacy Issues Through Non-Functional Requirements

A Preliminary Study on Attractiveness Analysis of Real Estate Floor Plans

A Probabilistic Framework for Base Level Context Awareness of a Mobile or Wearable Device User

A Product Recommendation System Based on User Complaint Analysis Using Product Reviews

A Prototype of a Motor-Learning Support System Using a Motion-Capture Device

A Registration Method for Real Bronchoscopy Image with Virtual Bronchoscope Images Using Similarity Measures

A Reversible Data Hiding Scheme for Printing with Special Color Inks Using Digital Halftoning

A Reversible Data Hiding Scheme Using Difference Values Based on Similarity Between Adjacent Pixels

A Self-Consumption Control by an EcoCute in ECHONET Lite Network

A Simple Identification Method for Differentiating Between Ambient and Target Speech

A Smart Contract-Based Mobile Ticketing System with Multi-Signature and Blockchain

A Study of Capacity Loss from Localization Error in MIMO Channel Using Leaky Coaxial Cable

A Study of Risk Assessment for Sharing Economy Based on a User's Viewpoint

A Study on a Combination of Sparse Coding and Dictionary Learning Algorithms for Sparse Super-Resolution

A Study on Indoor 3D Modeling by SOKUIKI Sensor and Omnidirectional Camera

A Study on Service Oriented Resource Allocation in Virtualization Environment

A Study on Time Efficiency of CSMA/CA in Inter-Vehicle Communication Systems

A System That Reproduces the Sound Environment of a Classical House to Experience It Retroactively

A Universal VLC Modulator for Retrofitting LED Lighting and Signage

A Vibrational Energy Harvester Using Magnetolectric Effect

A Visible Light Communication Based Integrated Circuit for Mobile Payment

A Voice-controlled Electronics Drawing Canvas Assistive System for People with Cerebral Palsy

A Workload Balance Control Mechanism on DOCSIS Downstream Multiple Channels

A X-Band Fully-Integrated CMOS Power Amplifier Using Current Combining Technique

Acoustic Space-Sharing Based on Bass Tempo Synchronization with Parametric Loudspeakers and Subwoofer

Activity Prediction Using LSTM in Smart Home

Adaptation of the ITU-T E.161 International Standard as Mapping Layout for a Wearable Text-Input Device for the Blind

Adaptive Beamforming Scheme with Service Quality Assurance for Vehicle Communications Using Map Data

Advanced Adaptive Cruise Control Considering Reaction Time of Following Driver

Adversarial Test on Learnable Image Encryption

AE Measurement of Greenhouse Strawberry Using Electret Sensor for Activity Monitoring

Aesthetic Style Transfer Through Text-to-image Synthesis and Image-to-image Translation

Air-Writing for Smart Glasses by Effective Fingertip Detection

Aircraft Recognition Training Simulator Using Virtual Reality

All-Digital Current-Sensorless Multi-Mode DC-DC Converter for Battery Powered Applications

Alleviating Vergence-Accommodation Conflict in Stereoscopic Projection by Time-Multiplexed Projection with Focal Sweep

An AC-Powered Smart LED Bulb for 3D Indoor Localization Using VLC

An Adaptive ROI Based UEP Scheme for HEVC Compressed Video Bitstreams

An Analysis of Highlight AI Using Game Experience in Fighting Game

An Authentication-Centric Multi-Layered Security Model for Data Security in IoT-Enabled Biomedical Applications

An Auto-Scheduling Framework for the Internet of Things Based on Process and Optimizer Module

An Early Prediction on Mild Cognitive Impairment Using Point-to-point Reaching Task in a Virtual Reality

An Efficient Fragment Reconstruction Using RANSAC Algorithm

An Efficient Hardware Implementation of Radix-16 Montgomery Multiplication

An Energy-Saving Edge Computing and Transmission Scheme for IoT Mobile Devices

An Estimation Method of Urban Microclimate Using Mobile IoT Environment Sensors

An Evaluation Method of Obstacle Avoidance Behavior on Bicycle Trip Using Rider's Gesture

An Examination Method of Mergeable Memory Page Distribution for Memory Deduplication

An Examination of IP Flow Mobility for Android Smartphone by Extended NTMobile

An Imagery-to-Source Mapping for Phase-Shifting Profilometry Using Consumer-grade Equipment

An oneM2M Interworking Proxy Entity for ECHONET Lite Protocol

An Optimized CNN Model for Pedestrian Implement on Development Boards

Analysis of an eHealth App Privacy, Security and Usability

Analysis of Various Web Data for Visualization of Travel Time and Accessibility

Application of IoT Using Neuro-fuzzy Based on Thai Speech Classification to Control Model Hospital Bed with Arduino

Applying RNNs Architecture by Jointly Learning Segmentation and Stemming for Myanmar Language

Artificial Intelligence Based In-Store Traffic Monitoring System for Evaluating Retail Performance

Asymmetry Recognition of Mammogram Images Based on Convolutional Neural Network

Audio-based Early Warning System of Sound Events on the Road for Improving the Safety of Hearing-Impaired People

Authenticity Determination System Based on Image Matching Using Local Features

Automatic Classification of Hemp and Cotton in Digital Macro Photography Using VGG-16 for Nondestructive Paper Analysis

Automatic Joint Part Detection Method for Joint Space Measurement

Automatic Text Line Segmentation Directly in JPEG Compressed Document Images

Autonomous Drone Guidance and Landing System Using AR/high-accuracy Hybrid Markers

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Bidirectional Dual Input Single Output DC-DC Converter for Electric Vehicle Charger Applications

Bilingual SNS Agency Robot for Person with Disability

Binary Representation for 3D Point Cloud Compression Based on Deep Auto-encoder

Bioelectric Potential Measurement for Optimizing Plant Cultivation Environment

Blood Phantom for Non-invasive Blood Glucose Measurements via Bioelectromagnetic Response

Bluetooth Based Wireless Control for iBeacon and VLC Enabled Lighting

BodyTracker: A Deep Learning Based 3D Limb Trajectory Tracking System for Rehabilitation

Building Virtual Museum Exhibition System as a Medium

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Capacity Analysis of Two-Layer Small-Data-Packet Networks with Massive Number of Nanoscale Sensor Nodes

Channel Estimation Method for LTE Downlink MIMO Transmission

Chinese Articulation Disorder-Correcting Application Based on Neural Networks

Chipless RFID: A Low-cost Consumer Electronics in the Retail Marketplace for Moving Item Detection

Class Participation Support System on an Avatar Robot for Long-term Absent Students

Classification of Tissue Types in Histological Colorectal Cancer Images Using Residual Networks

Classifying Human Activity and Smartphone Holding Mode Using Accelerometer and Gyroscope

Closed-Form Design of Digital FIR Notch Filter Using Chebyshev Polynomial

Cloud Based Detection and Real-Time Communication of Number Coding Violators Through Character Recognition and Image Processing

Clustering Method of 3D Point Cloud of Muck-Pile Based on Connectivity of Adjacent Surface

Coarse-to-fine Fundamental Matrix Estimation by Line Correspondence Based on the Motion Barcode

Code Change Method of Reflector Code with Infrared LED on Roadside Detected by Infrared Laser Radar

Code Readability Metric for PHP

Comparative Analysis of Dipole Antenna Configuration in Industrial Wireless Sensor Networks Application

Comparison of STOI-type Intermediate Feature for Listening Difficulty Rating Prediction Model

Comparison of the Number of Training Data for Pix2Pix Voice Conversion System

Constructing an E-IoT System for Electric Company by Using 230MHz Band: A Case Study

Consumer Technology Perspective of a Trinomial Random Walk Model

Consumer Trust Recommendation in Online Social Commerce

Context Analysis and Estimation of Mobile Users by Using Bio-signals and Sensor Data

Control System of Solid State Voltage Regulator

Cost-effective and Robust Visual Based Localization with Consumer-level Cameras at Construction Sites

Curving Leaves in VR Ikebana

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Data Accumulation System of Obstacle Avoidance Behavior on Bicycle Trip for Transportation Engineering

Data Collection and Index Creation for the Vacant Rental Property Using IoT Sensing

DDoS Detection Framework in Resource Constrained Internet of Things Domain

Deep Learning for Multi-Resident Activity Recognition in Ambient Sensing Smart Homes

Deep Monocular Depth Estimation in Partially-Known Environments

Deep Neural Networks Based Invisible Steganography for Audio-into-Image Algorithm

Deep-Learning Based Pedestrian Direction Detection for Anti-collision of Intelligent Self-propelled Vehicles

Deployment and Evaluation of Elite, an Open Source Implementation of ECHONET Lite for Micro-controllers

Design and Implement a Smart Nail Machine with Image Segmentation Techniques

Design and Implementation of AR-Supported System for Piano Learning

Design and Implementation of Illumination Control of High Speed Chip-back Defects Inspection System

Design of a Drifting Camera System for Screening of Sewer Pipelines

Design of a Real-Time Visible Laser Light Communication System with Basedband in FPGA for High Definition Video Transmission

Design of Adaptive Offloading Framework for Video Streaming over 5G NR with Multipath TCP

Design of Data Reduction Approach for AIoT on Embedded Edge Node

Design of Delta-Sigma Modulators for DC/AC Inverters

Design of Digital Differentiator Using Supervised Learning on Keras Framework

Design of High Gain Low Noise Amplifier with Current-Reuse Technology for UWB Systems

Detailed Evaluation of a Wind Noise Reduction Method Using DNN for 3D Audio Navigation System Audio Augmented Reality for Bicycles

Detection of Bending Motion at Waist of Kitchen Workers by Using a Single Commercial Accelerometer

Detection of Distress Region from Subway Tunnel Images via U-net-based Deep Semantic Segmentation

Detection of Malicious Communication Using DNS Traffic Small Features

Detection of Swallowing Times Using a Commercial RGB-D Camera

Determining the Influence of Viscosity on Quantitative Indicators of Swallowing Function Using Ultrasound Video Processing

Development and Evaluation of a Training Device for People with Parkinson's Disease

Development of a Device for the Eustachian Tube Function Test

Development of a Home Automation Systems for Sri Lanka Using ARM Cortex M4

Development of a System Which Can Teach Users Gymnastics with Humanoid Robots

Development of an Interactive IoT Area Network Simulator

Development of Biofeedback Device for Improvement of Muscle Endurance Using Muscle Fatigue Index

Development of Guitar Playing Robot by PWM Control of Solenoid

Development of High Speed Flashing Line Display Using Eyeball Movement

Development of iOS Software n-Queens Problem for Education and Its Application for Promotion of Computational Thinking

Dialogue Acts Classification via RNNs with One-Versus-All Layers Considering Rare Utterances

Dialogue Mood Estimation from Speech Sounds Clusterized with Speakers' Personality Traits

Difference Between Expert's and Novice's Gaze Point in Playing Competitive Puzzle Game

Digital Watermarks for LLVM Intermediate Representation

Discrimination of Brain Activity Using Near-Infrared Spectroscopy Signal Change in Prefrontal Cortex During Mental Arithmetic Task

Distributed Intelligent Lighting System Using BLE at the Workplace

DNN-based Hyperspectral Image Denoising with Spatio-spectral Pre-training

Domain Transformation of Fingerprint Images Using CycleGAN

Duty-Cycle Control Achieving High Packet Delivery Ratio in Heterogeneous Wireless Sensor Networks

Dynamic Pattern-Recognition-Based Walking-Speed Adjustment for Stable Biped-Robot Movement Under Changing Surface Conditions

Dynamic Signal Measurement of Walking Person with Wrist Device in Intra-body Communication

Dynamic Thermal-Aware Inter-Layer Perpendicular Downward Mapping for Three-Dimensional Convolutional Neural Network Accelerator

Dynamic Time Warping-based Korean Spoken Word Detection System Using Euclidean Distance in Intelligent Personal Assistants

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E-commerce Website Design for Expanding Knowledge and Interests of Potential Buyers

Effect of Switching Reproduction Area in Dynamic Local Sound Field Synthesis

Effective Capacity of Half-Duplex Two-way Relaying Networks

Effectiveness Evaluation of Deep Features for Image Reconstruction from fMRI Signals

Effects of Mounting Position on Throat Microphone Speech Recognition

Efficient Flame Recognition Method Based on a Deep Convolutional Neural Network and Image Processing

Efficient HEVC Inter Prediction Using SVM

Efficient Hybrid Sensor Data Recovery Scheme

Efficient Implementation of Non-Local Means Image Denoising Algorithm

Emotion Analysis of Twitter Users on Natural Disasters

Emotion Estimation by Joint Facial Expression and Speech Tonality Using Evolutionary Deep Learning Structures

Empirical Analysis of Pre-schoolers' Daily Physical Activity in Unconstrained Environment for Home IoT

Encoding Content-Based Similarity in IPFS Pointer Names

End User-Managed Service Deployments in Microclouds at the Network Edge

Enhance Physical and Mental Well-being of Game Players in a Endless Running Game

Enriching Geospatial Representation for Ontology-based Aviation Information Exchange

Environmental Sounds Recognition with Convolutional-LSTM

Error Control and Regression for Block Compressed Sensing of Color Images

ESD Immunity Impacts of the Drain-side Heterojunction Device Addition in HV 60 V npLDMOS Devices

Estimating Pose of Omnidirectional Camera by Convolutional Neural Network

Estimating Viewed Image Categories from fMRI Activity via Multi-view Bayesian Generative Model

Estimation of Cone Index from Water Content and Soil Types Obtained from Hyperspectral Images

Estimation of Distance to Wall Surface Using Omnidirectional Speaker

Estimation of Drilling Energy from Tunnel Cutting Face Image Based on Online Learning

Estimation of Number of Chewing Strokes and Swallowing Events by Using LSTM-CTC and Throat Microphone

Estimation of Power Consumption of ICT Devices Based on Network Traffic

Estimation of User-Specific Visual Attention Based on Gaze Information of Similar Users

Evaluating the Drift-region Length Effect of nLDMOS on ESD Ability with a TLP Testing System

Evaluation of a Vibration-based Route Indication for Children Who are Not Familiar with Maps

Evaluation of Evacuation Guidance by Robots Using Multi-Agent Simulation

Evaluation of Flexible Name Autoconfiguration for IoT Devices in IPv6 Network

Evaluation of Non-Line-Of-Sight Based on Peak to RMS Ratio of Cross-Correlation Function Between Two Microphones

Evaluation of Novelty Detection Methods in On-Body Smartphone Localization Problem

Evaluation of Real Robot Agent Interface for Spoken Dialogue System

Evaluation of TCM to Coexisting OOK and PSK in Optical Access

Evaluation of the Electric Field Distribution During Bending for Wearable Two-Dimensional Communication Sheets in the 2.4-GHz Band

Evaluation of the Hiding-Countermeasure PRINCE Using Differential Power Analysis

Evaluations of Flight Dynamic Parameters for Smart Baseballs

Examination of Video Watching with Low Load by Physiological Parameter Analysis

Examining Hierarchy and Granularity of Classifiers in Compatibility-based Classifier Personalization

Experimental Demonstration of Wireless Multi-relay Transmission Based on USRP Platform

Extraction of Degradation Parameters for Transparency of an Image Restoration Network

Eye-Gaze Prediction Considering Text Reading Speed for Visual-Tactile Content

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Facial Expression Recognition Using Merged Convolution Neural Network

Feature Analysis for Non Formal Education Project in Myanmar

Fertilizer Management System for A Compact Hydroponic Planter

Fiber Optic Folding Angle Sensors for Origami-Inspired Devices

Filter Design for Full-Duplex Base-Station in Frequency-Selective Channels

Filter-and-Forward Relay with Self-Energy Recycling in Frequency-Selective Channels

Follow-me Shopping Cart

FPGA Implementation of Handwritten Number Recognition Using Artificial Neural Network

Full Reference Image Quality Assessment by CNN Feature Maps and Visual Saliency

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Generalize IoT Device's Client Application with Virtual Machine

Generalized Principal Motion Analysis: Classification of Sit-to-Stand Motions

Generating Hand Contour Images with Information of the Fingers Curled Using a Colored Glove

Generative Adversarial Network Based Image Blur Compensation for Projection-Based Mixed Reality

Generative Adversarial Networks-Based Image Compression for Consumer Photo Storage

Golay Code Decoder Using Auto Encoder

GPS-TonoHime: An Android Application for Explaining Ancient Tomb Information

Group Working Just Generation Gap with Problem Redivision

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Handwritten Character Segmentation in Tablet Based Application

High Attenuated Audio-Beam Based on Near-Focused Sideband Wave with Parametric Array Loudspeakers

High Precision Data Acquisition and Feedback Control Module for Thread Breakage in the Sewing Machine

High-Precision UWB Indoor Positioning System for Customer Pathway Tracking

Human Factors Challenges in Automated Systems: Applications to Human-Automation Interaction

HumTouch: Finger Gesture Recognition on Hydrogel-Painted Paper Using Hum-Driven Signals

Hybrid Method for Out-of-Band Emission Reduction of OFDM Signal

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Image Based Deep Learning Model for Movie Trailer Genre Classification

Image Classification on Projection Based Multilayer Sparse Representation

Image Similarity Check of Nailfold Capillary by Template Matching

Image-Based Feeding Behavior Detection for Dairy Cow

Impact of Characteristics of Noise Added to Auditory Stimulus on Auditory Steady-State Response

Implementation and Performance Evaluation of IEC 61850 Based Home Energy Management System

Implementation of 3D Drawing to Interactive Display System

Implementation of Cooperation Between Heterogeneous IoT Devices Using iHAC Hub

Implementation of Fall Detection System Based on 3D Skeleton for Deep Learning Technique

Implementation of Rider Assistance System with Head-up Display and Safety Notification

Implementation of Visible Light Communication System with Auto Gain Control

Improved Chord Recognition Using Synthetic Data Generation by Robot

Improvement of Self Localization Method Based on Frequency Modulated LED Blinking and Omnidirectional Camera

Improvement of the Device Descriptions of ECHONET Lite by Adding Version Specific Information

Improving 3D Measurement Accuracy in Epipolar Directions via Trinocular Spherical Stereo

Improving Minimal Gated Unit for Sequential Data

Improving Robustness of Authentication System Based on Pinna Related Transfer Function

Indoor Positioning Method Based on BLE Location Fingerprint with Statistics Approach

Initialization for Multichannel Nonnegative Matrix Factorization Using Nonnegative Independent Component Analysis

Integrated Annual Report Readability and Dominance-based Rough Set Theory to Forecast Corporate's Operating Performance

Intensity Modulation Direct Detection Optical Wireless Communication with Nonorthogonal Code Shift Keying

Interaction with CG Image Through Real Shadows of Objects Considering Their Color and Motion for Creating Ikebana Contents

Interest Estimation for Images Based on Eye Gaze-based Visual and Text Features

Investigation of Home Routers with Connectivity Issues and Proposal for Improving Interconnectivity

Investigation on Latency Issues and Objective Measurements of Non-Linear Blind Bandwidth Extension

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JPEG Encryption with File Format Preservation and File Size Reduction

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Kinect V2 Based Real-Time Motion Comparison with Re-targeting and Color Code Feedback

Knowledge Distillation Using Soft and Hard Labels and Annealing for Acoustic Model Training

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Leaves Disease and Damage Rate Classification Based on Features

LED Lighting Arrangement for Spatially Parallel Signal Transmission in Visible Light Communication

Low-Complexity Hybrid Analog-Digital Signal Detector for Uplink Multiuser Massive MIMO Systems

Low-Cost Color-Sensitive Optical Sensor and Its Calibration by Neural Network

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Mashup Local Tourism Resources for Sustainable Tourism by SHOJI Digital Picture-Story Show

Max-Min Fairness for Cell-Free Massive MIMO with Low-Resolution ADCs

Method of Decreasing Dead Angle Zone Under the Tsunami Evacuation Patrol Used by UAVs

Microwave Power Transfer Based on Moving Target Tracking in High Frame-Rate Camera Images

Midoriko Chatbot: LSTM-based Emotional 3D Avatar

Mobile Based Heterogeneous Cluster System for a Real-time Multiview-HEVC Decoder Using Machine Learning

Mobile Leaf Identification System Using CNN Applied to Plants in Hokkaido

Modeling of Direct-Sound Transfer Functions in Local Area by Sparse Equivalent Sources

Monitoring System for the Elderly on Staircase Using Passive RFID Sensor Tags

Motion Capture System by Spatio-Temporal Integration of Multiple Kinects

Motion History and Shape Orientation Based Human Action Analysis

Motion Sensing Eyewear for Daily Healthcare Monitoring

MQTT-driven Remote Temperature Monitoring System for IoT-based Smart Homes

Multilingual Inappropriate Text Content Detection System Based on Doc2Vec

Multimodal Retrieval of Similar Soccer Videos Based on Optimal Combination of Multiple Distance Measures

Multiple Layered Security Analyses Method for Cryptocurrency Exchange Servicers

Multivariate Analysis of Effect of Snow Quality on Speech Intelligibility

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Near-Field Wireless Power Transfer System with Efficiency Tracking for Dual-band Applications

Nearby x Music: A Mobile Social Service in Proximity Based on YouTube Hashtag and Playlist

New Automatic Navigation Time Recording System for Small Aircraft

New Data Embedding and Detecting Method for Printed Image

New Evaluation Method for One-point Body-Braille

NI LabVIEW-Based Solar Power Recording Device for Optimizing PV Modules with Fixed Orientation and Tilt to Capture Maximum Solar Irradiance with Respect to Magnetic Declination

Non-contact Assessment of Perypheral Hemodynamics by Using Video Plethysmography

Numerical Simulation of Electric Field Distribution and Signal Path of a Commonly Used Schematic Diagram of Human Body Communication

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On the Security of Pixel-Based Image Encryption for Privacy-Preserving Deep Neural Networks

One-dimensional Transducer Position Estimation Using Capacitance Distribution of Annular Electrode Array

Online Heterogeneous Mixture Learning for Big Data

Ontology-based Dynamic and Context-aware Security Assessment Automation for Critical Applications

Open Source Implementation of HTIP for Embedded Devices

Optimized Base Station Allocation for Platooning Vehicles Underway by Using Deep Learning Algorithm Based on 5G-V2X

Optimized Process Conditions for Plethysmography Measurement Using Multispectral Video

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Parity-Enhanced Double-Binary Turbo Decoder for Iterative Detection and Decoding Receivers

Parking Space Detection Using Complemented-ULBP Background Subtraction

PBNM and Economic Incentive Based Framework for Protection Against DDoS Attacks

Performance Evaluation of CAN FD with Bipolar Coding in the Data Phase for Reduced Wiring

Performance Evaluation of E-IoT of the Grid Company with Dedicated and Public Service Classification

Performance Evaluation of Face Attribute Estimation Method Using DendroNet

Performance Evaluation of Real Time Applications over Hybrid Satellite Terrestrial Network Based on Classification, Queuing and Scheduling

Performance Evaluation of Two-layer Lossless HDR Coding Using Histogram Packing Technique Under Various Tone-mapping Operators

Performance Improvement of Blind Image Restoration Using Ringing Removal Processing

Performance Improvement of Prosody-Controlled Voice Conversion by Language Model Adaptation

Performance Prediction Method of Examinees Based on Matrix Completion

Personal Authentication of Iris and Periocular Recognition Using XGBoost

Personal Root-Vegetable Harvesting Assist Device for Japanese Radish

Picking Work Using AR Instructions in Warehouse

Pinpoint Active Noise Control Using Audio Spot Generated with Multiple Parametric Speakers

Planar Antennas for Quasi-Zenith Satellite System Nicknamed MICHIBIKI

Player Dominance Adjustment: Promoting Self-Efficacy and Experience of Game Players by Adjusting Dominant Power

Polyphase Design of 2-Channel Quadrature Mirror Filter Using Minor Component Analysis

Preliminary Assessment for the Development of CADe System for Brain Tumor in MRI Images Utilizing Transfer Learning in Xception Model

Preventing Method of Malfunctions by Implementing Fingerprint Reader Active Signal to NFC Controller

Privacy, Security and Usability Within Motivation Apps to Overcome Obesity

Process-Based Intrusion Detection Method for IoT System with MQTT Protocol

Profile Expression Recognition with Head-Mounted Spherical Camera

Projector Calibration Method Using a Pinhole Mask Plate

Proposal for User Authentication Method Combining Random Number and Password

Proposal of a Beat Count Ability Measurement for Learning DJ Mixing

Proposal of a Method of Reducing Difference of Mean Delay Between Paths in MPTCP by SDN

Proposal of a New Application Method of 4K Editing Technology to Sports Video

Proposal of Allocating Radio Resources to Multiple Slices in 5G Using Deep Reinforcement Learning

Proposal of the Interactive Robot' Eyes to Realize Eye Contact Between Human and a Robot

Proposal to Make IoT (ECHONE Lite) Devices "Human Behavior Sensors for Life Action Recognition

Prototype Development of Home Concierge Robot Using ECHONET-Lite

Prototype of Farm Environment Sensing System for State Estimation of Agricultural Crops

Proxy-Assisted Rate Adaptation for 4K Video Streaming on Named Data Networking

Pseudo-3D Display Based on Head Tracking for Viewpoint Image Generation

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QoE Optimization for Traffic Offloading from LTE to WiFi

QoS Evaluation of IEEE 802.1 TSN Network for Video Streaming

Quantitative Evaluation of Hajime with Secondary Infectivity in Response to Mirai's Infection Situation

Quantitative Performance Evaluation of PL PUF and RO PUF with ASIC Implementation

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Rain Streak Removal Using Under-/Over-Exposed Images

Real Estate Evaluation on Thermal Diffusivity with IoT Sensors

Real-time Facial Expressions Identification Using Supervised Descent Method

Realtime Compensation of Perceived Sound Source Direction for Bone-Conduction Headphones

Recursive Construction of an Oblique Projector Based on the Gram-Schmidt Process and Its Application to Synchronous DS/CDMA Communication System

Region-based Distress Classification of Road Infrastructures via CNN Without Region Annotation

Rent Prediction Models with Floor Plan Images

Repeater Coil Connections for WPT System with Wired Three Coils

Reputation for Blockchain Based Distributed Auction

Respiration Monitoring of Multiple Car Passengers by Using One Doppler Sensor with ARS

Restoration of Pictures on the Wall of Hakodate Bugyosho Using Projection Mapping

Risk-Sharing Model of Foot-and-Mouth Disease Outbreak in Japan

RNN-Based C/U-Plane Decoupled HSR Wireless Network Handover Mechanism for QoS Improvement on Control Plane

Robust Detection and Recognition of Japanese Traffic Sign in the Complex Scenes Based on Deep Learning

Robust Reflection Removal Against Accumulated Error by Using Stereo Camera System

Safe Reinforcement Learning in Continuous State Spaces

Safety Monitoring and Museum Visitor Behavior Measurement Using Fish-Eye Camera

Scalability and Performance Evaluation of GA Based Modeling Analysis for RO PUF

SCDP: Smart Contract-based Decentralized Privacy System for Securing Data Ownership Management

Scene Retrieval Using Text-to-image GAN-based Visual Similarities and Image-to-text Model-based Textual Similarities

Secure and Lightweight Firmware Update Framework for IoT Environment

Secure Fine-Grained Multi-Keyword Search with Protection from Key Abusers in the Cloud

Security Evaluation of Counter Synchronization Method for CAN Against DoS Attack

Semantic Interoperability Test Method for Data Schema Comparison with Constrained Application Protocol

Semantic Segmentation of Fashion Photos Using Light-Weight Asymmetric U-Net

Semantic Shot Classification in Baseball Videos Based on Similarities of Visual Features

Shear Force Sensor for Soft Material with Built-in Piezoelectric Polymer Films

Shorter Communication-Path Generation Scheme for Robot Swarms

Similarity Calculation Based on Pass Regions in Soccer Videos

Simulation of Facial Palsy Using Conditional Generative Adversarial Networks

Single-Channel Noise Spectral Estimation Based on Compensated Speech Presence Probability

Single-Shot High Dynamic Range Imaging with Spatially Varying Exposures Considering Hue Distortion

Smart Bus Stop Using LoRaWAN and e-Paper

Smart Glasses Using Deep Learning and Stereo Camera

Smart Home Energy Management System to Reduce Monthly Electricity Bill

Smart Lighting Control and Services Using Visible Light Communication and Bluetooth

Smart Table Applications Based on Magnetic Resonance Wireless Power Transfer

Smoke100k: A Database for Smoke Detection

Soft Clustering of Large Scale Power Grid with Pulsed Power Distribution

Sound Source Visualization System in Reflective Environment Using Time-Reversal Wave

Spatial Distribution Extraction of Visible Light IDs for Supporting Robotic Rescue Efforts

Speech Source Discrimination Method for Plural Voice User Interfaces Environment

Static Environmental Object Classification Based on 3D Point Cloud Image and Color Image

Status Observation Agent Node for Secure Sharing Data Store in Autonomous Decentralized Network

Structural Analysis of Video-Audience-Watching Preference

STT-MRAM Co-design Deep Learning Model for IoT Applications

Study of a Bus Location System with LoRa in Nonoichi City

Study of Dynamically User-Changeable Multiple Infrared Marker Patterns

Study of Features and Number of Time Steps to Improve Hourly Solar Power Forecasting via LSTM

Study on an Appropriate Value of the Maximum Transmission Rate over Congested IEEE802.11g Wireless LAN Based on WebQoS

Study on the Reduction of the Local Specific Absorption Rate of a 1.2-GHz-Band Transceiver with a Reflector

Superposition of Next Generation PON to Existing PON's OOK Signals

Suppression of Two Noise Sources in the Same Direction by Instantaneous Spectral Subtraction

Swallowing Measurement for a Healthy Subject Using a Hetero-Core Optical Fiber Sensor

Syllable-Level Long Short-Term Memory Recurrent Neural Network-based Language Model for Korean Voice Interface in Intelligent Personal Assistants

Synchronization Mechanism for Collision and Against Collision in Densely Deployed Wireless LANs

System Design for Internet of Things Assisted Urban Aquaponics Farming

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Tag-based Video Retrieval with Social Tag Relevance Learning

Temporal Change by Measurement of Swallowing Sound

The Design of Wireless Power Transformer for Electronic Flower Pot

The Development of Management System Which Counts the Number of the Remaining Laps for Track Competitions

The Education Environment for Strategy Using the Imitation Learning Agent That Mimics the Behavior of Human Player

The Effect of the Mixture Ratio of Audible Positioning Signal and Music on the Signal and Sound Quality

The Effect of Viewing Position by Changing Display Resolution and Display Size

The Extraction of Individual Music Preference Based on Deep Time-series CCA

The Fast Software Router "Kamuee" vs. Linux

The Flow Control in Unmanned Stores with Sensing Floor

The Impact of "Surround Sound on Eye and Head Movement While Watching Moving Images

The Implementation of Traffic Analytics Using Deep Learning and Big Data Technology with Garuda Smart City Framework

The Monitoring of Difference of Interpersonal Cognition in Conference Forms

The Proposal of Model Transformation Support Method Based on Model Editing Operation History

The Study of the Correlation Between Particle Size and Processed Sound Signal of Ishikawa Mixing and Grinding Machine

Tokenizing and Managing the Copyrights of Digital Content on Blockchains

Tolerating Aging-Induced Timing Violations via Configurable Approximations

Towards an Angry-Birds-like Game System for Promoting Mental Well-being of Players Using Art-Therapy-embedded PCG

Towards Perspective-Free Pavement Distress Detection via Deep Learning

Transmission Capacity Analysis in Vehicular Relay Assisted Device-to-Device Communication

Trip Planning Query Based on Partial Sequenced Route Algorithm

Turning Recognition System Using GPS Data for Hang-Gliding Training

Two Efficient Unequal Error Protection Techniques for HEVC Compressed Video Bitstream

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Ultra-low Power Human Motion Detection Sensor Using Electrostatic Induction and Demonstration of Contactless Remote Light Switch

Unequal Error Protection for Compressed Sensing with Polar Codes

User Cooperative Mobility for High Throughput in Multiple Ad-Hoc Networks

User Identification Using Neural Network Based on Japanese Flick Input on Smartphone

User Interface Using Arm Motion for Consumer Device

Using Image Recognition and Monitoring Fruit in the Farmland Environments

Using Transistors to Emulate Vacuum Tube Sound Quality Based on Asymmetric Cycle Harmonic Injection Method

Utilization of AR Technology for Doctor-patient Communication

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Visual and Auditory Impression for Virtual Reality Space Expressed by Panoramic Image and Impulse Response Signal

Voice-Input Multimedia Information Retrieval System Based on Text-to-image GAN

VR-based Eye and Head Motion Collection for Modeling Their Coordination

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Weakly Supervised Approach to Defect Detection in Concrete Structures Using Hammering Test

Wireless LAN Communication with Running Vehicle Access Points

Wrist-worn Motion Diagnosis Device for Heavy Metal Guitarists