

ICAROB2021 DOIs List

ID	DOI	URL	Title
PS-1	10.5954/ICAROB.2021.PS-1	https://www.doi.org/10.5954/ICAROB.2021.PS-1	Tomato-Harvesting-Robot Competition Towards Smart Agriculture
PS-2	10.5954/ICAROB.2021.PS-2	https://www.doi.org/10.5954/ICAROB.2021.PS-2	Human-Computer Communication Using Facial Expression
GS1-1	10.5954/ICAROB.2021.GS1-1	https://www.doi.org/10.5954/ICAROB.2021.GS1-1	A Method of Role Differentiation Using a State Space Filter with a Waveform Changing Parameter in Multi-agent Reinforcement Learning
GS1-2	10.5954/ICAROB.2021.GS1-2	https://www.doi.org/10.5954/ICAROB.2021.GS1-2	The research about editing system of performance information for player piano - Make inferences about both handed musical composition by using DP matching system -
GS1-3	10.5954/ICAROB.2021.GS1-3	https://www.doi.org/10.5954/ICAROB.2021.GS1-3	Development of LiDAR Based Navigation System for Automation of Tree Harvesting Process
GS1-5	10.5954/ICAROB.2021.GS1-5	https://www.doi.org/10.5954/ICAROB.2021.GS1-5	Dynamic Characteristics Analysis of a Multi-scroll Conservative Chaotic System with Sinusoidal Nonlinearity
GS2-1	10.5954/ICAROB.2021.GS2-1	https://www.doi.org/10.5954/ICAROB.2021.GS2-1	Unconstrained Measurement of Heart Rate Considering Harmonics of a Respiratory Signal by Flexible Tactile Sensor Sheet
GS2-2	10.5954/ICAROB.2021.GS2-2	https://www.doi.org/10.5954/ICAROB.2021.GS2-2	Image Registration Method for Chest MDCT Images Based on 2-D Finite Element Method
GS2-3	10.5954/ICAROB.2021.GS2-3	https://www.doi.org/10.5954/ICAROB.2021.GS2-3	Detection of Abnormal Shadows in Low-dose CT Images Using CNN
GS2-4	10.5954/ICAROB.2021.GS2-4	https://www.doi.org/10.5954/ICAROB.2021.GS2-4	EEG Signal Extraction Method Based on HHT and CSP
GS3-1	10.5954/ICAROB.2021.GS3-1	https://www.doi.org/10.5954/ICAROB.2021.GS3-1	Deep-Learning Based Segmentation Algorithm for Defect Detection in Magnetic Particle Testing Images *
GS3-2	10.5954/ICAROB.2021.GS3-2	https://www.doi.org/10.5954/ICAROB.2021.GS3-2	A Method for Improving Recognition of Lying Postures Using a Measured Signal Intensity of Respiration and Heartbeat by Flexible Tactile Sensor Sheet
GS3-3	10.5954/ICAROB.2021.GS3-3	https://www.doi.org/10.5954/ICAROB.2021.GS3-3	Basic research for the realization of online MEG using SSD
GS4-1	10.5954/ICAROB.2021.GS4-1	https://www.doi.org/10.5954/ICAROB.2021.GS4-1	Landslide Area Detection from Synthetic Aperture Radar Images Using Convolutional Adversarial Autoencoder and One-class SVM
GS4-2	10.5954/ICAROB.2021.GS4-2	https://www.doi.org/10.5954/ICAROB.2021.GS4-2	Anomaly Detection in Time Series Data Using Support Vector Machines
GS4-3	10.5954/ICAROB.2021.GS4-3	https://www.doi.org/10.5954/ICAROB.2021.GS4-3	Relationship Between Tactile Stimuli and Human Body Sway
GS5-1	10.5954/ICAROB.2021.GS5-1	https://www.doi.org/10.5954/ICAROB.2021.GS5-1	Layout decision system for multiple production lines using work-flow-line and GA
GS5-2	10.5954/ICAROB.2021.GS5-2	https://www.doi.org/10.5954/ICAROB.2021.GS5-2	Autonomous decentralized FMS's AGVs moving control by mind change with deep learning
GS5-3	10.5954/ICAROB.2021.GS5-3	https://www.doi.org/10.5954/ICAROB.2021.GS5-3	Secondary School Robotics Education in Camarin High School: Developments and Challenges for Improvement
GS6-1	10.5954/ICAROB.2021.GS6-1	https://www.doi.org/10.5954/ICAROB.2021.GS6-1	Digital Testing Device for Active Range of Motion of Finger Joints Utilizing Artificial Neural Network
GS6-2	10.5954/ICAROB.2021.GS6-2	https://www.doi.org/10.5954/ICAROB.2021.GS6-2	Position and Force Teaching Method for 6 DoF Manipulator Using Contact Teaching Tool and Teaching Data Editor
GS6-3	10.5954/ICAROB.2021.GS6-3	https://www.doi.org/10.5954/ICAROB.2021.GS6-3	Haptic Device that Presents Sensation Corresponding to Palm on Back of Hand for Teleoperation of Robot Hand Report2: Consideration on Decided Specification
GS6-4	10.5954/ICAROB.2021.GS6-4	https://www.doi.org/10.5954/ICAROB.2021.GS6-4	Robot Assisting Water Serving to Disabilities by Voice Control
GS7-1	10.5954/ICAROB.2021.GS7-1	https://www.doi.org/10.5954/ICAROB.2021.GS7-1	Development of Interactive Robot -Emotion Estimation System Using Speech by 1dCNN-
GS7-2	10.5954/ICAROB.2021.GS7-2	https://www.doi.org/10.5954/ICAROB.2021.GS7-2	Deep Learning Methods for Semantic Segmentation of Dense 3D SLAM Maps
GS7-3	10.5954/ICAROB.2021.GS7-3	https://www.doi.org/10.5954/ICAROB.2021.GS7-3	Robot Motion Generation by Hand Demonstration
GS7-4	10.5954/ICAROB.2021.GS7-4	https://www.doi.org/10.5954/ICAROB.2021.GS7-4	Medical Telerobotic: IRAPs SHaRE-aGIVeR
GS8-1	10.5954/ICAROB.2021.GS8-1	https://www.doi.org/10.5954/ICAROB.2021.GS8-1	Development of in-Home Wireless Continuous Temperature Data Logging and Alarming System for Fever Monitoring in Pediatrics
GS8-2	10.5954/ICAROB.2021.GS8-2	https://www.doi.org/10.5954/ICAROB.2021.GS8-2	Design and Development of in-home Wireless Crucial Events Logging and Alarming System for Elderly and Disabled People Care
GS8-3	10.5954/ICAROB.2021.GS8-3	https://www.doi.org/10.5954/ICAROB.2021.GS8-3	Virtual bird's-eye for remote operation of unmanned construction machinery
GS8-4	10.5954/ICAROB.2021.GS8-4	https://www.doi.org/10.5954/ICAROB.2021.GS8-4	Domain Transformation of Chest CT Images Using Semi-Supervised Cycle GAN for Opacity Classification of Diffuse Lung Diseases
GS8-5	10.5954/ICAROB.2021.GS8-5	https://www.doi.org/10.5954/ICAROB.2021.GS8-5	Anomaly detection of lung sounds using DAGMM
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OS1-1	10.5954/ICAROB.2021.OS1-1	https://www.doi.org/10.5954/ICAROB.2021.OS1-1	Gray Level Co-Occurrence Matrix (GLCM) and Gabor Features Based No-Reference Image Quality Assessment for Wood Images
OS1-2	10.5954/ICAROB.2021.OS1-2	https://www.doi.org/10.5954/ICAROB.2021.OS1-2	Design and development of automated seeding and irrigation system
OS1-3	10.5954/ICAROB.2021.OS1-3	https://www.doi.org/10.5954/ICAROB.2021.OS1-3	Investigation of A Real-Time Driver Eye-Closeness for the Application of Drowsiness Detection
OS1-4	10.5954/ICAROB.2021.OS1-4	https://www.doi.org/10.5954/ICAROB.2021.OS1-4	Towards Establishing Path Planning Strategies For Autonomous UAVs; A Brief SurveySummary on Recent Techniques
OS2-1	10.5954/ICAROB.2021.OS2-1	https://www.doi.org/10.5954/ICAROB.2021.OS2-1	Comparison of Data Augmentation Methods in Pointer-Generator Model Using Various Sentence Ranking Methods
OS2-2	10.5954/ICAROB.2021.OS2-2	https://www.doi.org/10.5954/ICAROB.2021.OS2-2	Music Recommendation System Driven by Variations in Fingertip Skin Temperature
OS2-3	10.5954/ICAROB.2021.OS2-3	https://www.doi.org/10.5954/ICAROB.2021.OS2-3	Music Recommendation System Driven by Interaction between User and Personified Agent Using Speech Recognition, Synthesized Voice and Facial Expression
OS2-4	10.5954/ICAROB.2021.OS2-4	https://www.doi.org/10.5954/ICAROB.2021.OS2-4	Wallet Operation Evaluation System Using Deep Learning

OS3-1	10.5954/ICAROB.2021.OS3-1	https://www.doi.org/10.5954/ICAROB.2021.OS3-1	A Design and Implementation Intelligent flowerpot
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OS3-4	10.5954/ICAROB.2021.OS3-4	https://www.doi.org/10.5954/ICAROB.2021.OS3-4	Target detection in remote sensing image based on deep learning
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OS9-1	10.5954/ICAROB.2021.OS9-1	https://www.doi.org/10.5954/ICAROB.2021.OS9-1	Architecture of a student training computer program for preparing professional outpatient consulting skills within an electronic medical records system during COVID-19 alertness situation
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OS9-3	10.5954/ICAROB.2021.OS9-3	https://www.doi.org/10.5954/ICAROB.2021.OS9-3	Assess the Critical Factors for the Counseling Service System Usage Intention
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OS14-5	10.5954/ICAROB.2021.OS14-5	https://www.doi.org/10.5954/ICAROB.2021.OS14-5	Bus Line Number Detection Employing MY VISION
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OS16-2	10.5954/ICAROB.2021.OS16-2	https://www.doi.org/10.5954/ICAROB.2021.OS16-2	Development of an Early Prototype Tool for Learning Software Modeling Using Extended Place/Transition Net
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