

Simpósio Brasileiro de Robótica (SBR - 2025)

Lista dos 15 artigos selecionados para enviar versão estendida para o JIRS

Comparing Sensors for Position Estimation of a Small Size League Robot

Bridging the Gaps: A Comparative Analysis of ISO 21434, ISO 26262 and Machine Learning in Autonomous Vehicles

Semantic Segmentation Network for Warehouse Indoor Environments from 3D LiDAR Point Clouds

BLDC Motor Control for Small Size League Robots

Collision Dynamics of Autonomous Drones in Confined Fluid Environments Using the Lattice Boltzmann Method

ALLIE: Autoencoder-based Low-Light Image Enhancement

QTree-RRT: Improving RRT through Quadtree-Guided Sampling for Path Planning

A Guide on Task Orchestration for ROS Robotic Systems

Simulation of Multivariable Monitoring and Operational Fault Prediction Using a Digital Twin for ROVs in Subsea Installation Operations

Comparison of Tuning Techniques for PID Controllers in Mobile Robots Using the Empirical Method and the Firefly Metaheuristic Algorithm

A Comprehensive Simulation Platform for Image-Based Visual Servoing: Unity 3D and ROS 2 Integration with Performance Analysis

Design and Development of an Affordable Anthropomorphic Hand Prosthesis

MBIE: Motion-Blurred Image Enhancement for Mobile Robots

SSMSS: A Model of Semantic Segmentation for Matching of Satellite and Sonar Images

Comparison of Delay Compensation Strategies in ESKF Low-Latency Navigation for More-Autonomous Aircraft