



Intelligent Control and Robotic System in Path Planning

Guest Editor:

Prof. Dr. Jih-Gau Juang

National Taiwan Ocean
University, Taiwan

Deadline for manuscript
submissions:

closed (15 December 2022)

Message from the Guest Editor

Dear Colleagues,

Recently, path planning has been applied to complex environment, whether it is known or unknown. For unknown environments, systems that are capable of SLAM can use optimum coverage path planning approaches to achieve systematic coverage of the entire free space. Some common global path-planning algorithms include rapidly-exploring random trees and graph search algorithms. Examples include A* and D* algorithms, optimization of predefined paths, artificial potential field methods, mathematical programming and optimization, tangent graph-based planning, evolutionary algorithms, simulated annealing, particle swarm optimization, and partially observable Markov decision processes. Path planning and trajectory planning are important issues in the field of robotics, vehicles, and, automation. Contributions from all fields related to path planning using intelligent system methods are welcome for this Special Issue.

Prof. Dr. Jih-Gau Juang

Guest Editor

