



# *automation*

an Open Access Journal by MDPI

## **Selected Papers from the 34th Florida Conference on Recent Advances in Robotics (FCRAR 2021)**

Guest Editors:

**Dr. Hakki Erhan Sevil**

Department of Intelligent  
Systems & Robotics, University of  
West Florida, Pensacola, FL  
32514, USA

[hsevil@uwf.edu](mailto:hsevil@uwf.edu)

**Dr. Mahdi Haghsheenas-Jaryani**

Department of Mechanical &  
Aerospace Engineering, New  
Mexico State University, Las  
Cruces, NM 88003, USA

[mahdihj@nmsu.edu](mailto:mahdihj@nmsu.edu)

Deadline for manuscript  
submissions:

**31 December 2021**

### **Message from the Guest Editors**

This Special Issue comprises selected papers from the proceedings of the 34th Florida Conference on Recent Advances in Robotics (FCRAR 2021) that was held on 13–14 May 2021. FCRAR is a national conference with emphasis on robotic research areas, such as artificial intelligence for robots, kinematics, dynamics, and controls, robotic design, mobile and humanoid robots, autonomous and unmanned vehicles, machine vision, and mechatronics. It has been organized since 1988, and it has been held in one of the major Florida universities every year. In 2021, the University of West Florida (UWF) organized the conference. Authors of selected papers are invited to submit extended versions of their original papers and contributions with the following topics:

- Robot kinematics, dynamics, and controls;
- Serial and parallel manipulators;
- Mobile and humanoid robots;
- Medical applications of automation and robotics;
- Bio-inspired and biomimetic robotics;
- Soft actuators and sensors;
- Perception, localization, mapping, and path planning;
- Robotics, automation, and mechatronics in education.



[mdpi.com/si/88381](https://mdpi.com/si/88381)

# Special Issue