



Autonomous Serial Manipulators for Industry

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Abstract:

Problem Statement: It's been almost 60 years since the robotics started being present in industrial plants, but it is very challenging and time-wasting process to program the industrial robots using traditional programming as it requires robotics knowledge and programming skills.

In this study we discuss the autonomous industrial robots' architecture, and how the Artificial Intelligence can take place in automating the process of programming and operating industrial robots, we will discuss the perception, control, and system integration layers that is presented in a ping-pong playing robot (ABB IRB-120).

Biography:

Salah Soliman is a Mechatronics and Automation Engineer, currently working as a Project Engineer in the field of education and program design, he is very interested in research in the field of Autonomous Systems.



Publication of speakers:

- Visualization of super-compressibility in supersonic spiral-twisted jets. *Physics Letters A*, 376(5), 748-752.

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