

Plenary Speaker 1 Mr. Tomoaki Ozaki (DENSO CORPORATION, the Chief of Intelligent Robotics R & I Section in AI R & I Division, Aichi, Japan)

Title: Developing a High-Speed Working Motion of the Multi Robot in DENSO



DENSO
Crafting the Core

Tomoaki Ozaki (DENSO CORPORATION, the Chief of Intelligent Robotics R & I Section in AI R & I Division, Aichi, Japan)

Education:

Master's Degree in Information Systems from the Graduate School of Information Technology, Kyushu Institute of Technology

Employment:

DENSO CORPORATION, the Chief of Intelligent Robotics R & I Section in AI R & I Division

Abstract

The number of labor force is expected to decrease due to the declining birthrate and aging population. Although many efforts to solve this social issue using automation technology by robots around the world have been implemented, most of the current applications of robots are still repetitive works such as picking and placing in mass production lines in factories, and small progress of the application of robots for high-mix low-volume production lines where the operations are frequently changed. In this paper, we discuss the reasons and the potential solutions for autonomous control technologies including the AI and deep learning. Moreover, the high-speed working motion of the multi robot developed by DENSO will be presented in this paper.

