Machine Vision with Collaborative Robots

Wednesday, April 12, 2023, 1:00 PM - 2:00 PM PDT

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About This Webinar

Vision-guided robotic cells date back to the beginning of the modern industrial robot age in the 1960s. Today, vision-guided cells have become so advanced that one can add the vision system right after the robotic cell is set up, without the need for further integration or automation. Today’s advanced collaborative robots and vision systems are streamlined for efficient integration into robotic cells and manufacturing lines.

Join Horsties of HAMAMATSU Photonics USA, share your vision systems and robots work well together for a wide range of applications. He will address the following:

- Vision robots are stationary or mobile or an autonomous mobile robot, vision can realign the robot position and movement to task-specific processes such as machine teaching, inspection, palletizing, picking, and more.
- Cloud Vision can be on-premises only or on web cloud to ensure real-time reprogramming or reconfiguration in a quick turnaround.
- Robotic vision that is flexible and integrated in the robotic cell can consequently change the process even as the system is in production, as part of the production line.

Collaborative robots (cobots) offer unique solutions to overcome problems. Adding a vision system provides another level to help customers increase production processes, perform inspections, reduce errors, shorten your setup requirements, and data collection.

Who should attend:

- Manufacturers, developers, and engineers using machine vision systems for collaborative robots. Those in vision industries that require machine teaching, palletizing, robot inspection, teaching, and reprogramming.
- Anybody working with cameras, lenses, and imaging.

About the presenter:

Horsties is a senior engineer in the machine vision group at Hamatsu’s semiconductor and software engineering, a role responsible for helping Hamatsu’s integrated robot vision system, robotic, AI, and software expertise. He has worked on projects in Asia, Europe, and China.

About the sponsor:

Photronics Technolo has a long history of excellence in image and optical technology. Its expertise is in lighting, software, and optical technology. The company is an expert in lighting, inspection, and reprogramming. Photronics Technolo is a leading solution provider in the global market for machine vision systems.

System Requirements

Operating Systems:
- Windows 10 or later, Mac OS X 10.11 or later, Linux
- Google Chrome 78 or later
- Android 4.4 or later
- iOS 8.0 or later

Web Browser
- Google Chrome (latest version)
- Mozilla Firefox (latest version)

Mobile Devices
- Android (4.4 or later)
- iPhone (10 or later)
- iPad (3rd or later)
- Windows Phone (8.1 or later), BlackBerry (10 or later)

Equipment
- Internet connection

Getting Started

To join the webinar, please register at the link below.

Webinar Details

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