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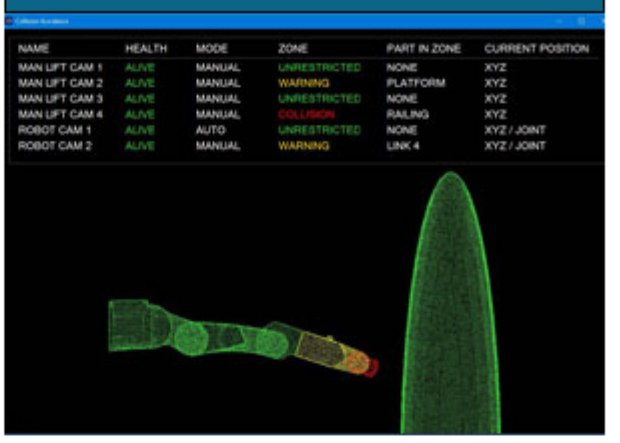

Robotic Collision Avoidance: When Accidents Are Not an Option

Join us for a Webinar on Thu, Jul 28, 2016

Join us for a FREE webinar on how to ensure worker safety and productivity in dynamic manufacturing environments. Tim Dykstra, product sales manager for Concept Systems Inc., will provide a detailed overview of the technologies and systems that can be used to avoid collisions between robots and their environment and between robots and humans.

Through the use of 3D vision and industrial computers, collisions are now largely avoidable. Tim will discuss recent advances in robotics that make them less vulnerable to collisions; how to manage the interface between robots and their active, changing environments; the role of vision systems and sensors in collision avoidance; and how to integrate computers and vision technology.

In some environments, collision avoidance is best managed by taking a multilayered approach that integrates a variety of technologies. These technologies can be managed through a collision avoidance module (CAM), a supervisory computer that examines movement requests, making precise and complex decisions about what movements and speeds are allowable. Tim will review the role of the CAM. He will also talk about how collaborative robots are being used to achieve a safer production environment.

He will conclude with a look at the future of path planning and collision avoidance, touching on advances in technology that will all but eliminate the possibility of collisions. He will consider how innovations in the automotive industry may impact the industrial space; and how increasing safety in the work environment may impact productivity.

Tim Dykstra is product sales manager for Concept Systems Inc. He has worked on the research and development of a collision avoidance system that has been deployed at a number of companies, including Boeing. Along with Collision Avoidance, Tim has worked on various other vision guided robotic applications, including automated cake decorating, hot steel marking and bin picking. Previous to joining Concept, Tim worked for Keyence Corporation as a sales engineer, working with complex laser displacement systems and machine vision systems. Tim has also published a number of industry white papers on Vision Guided Robotics, and has spoken on the topic at Automation Fair and AISTech.

MARK YOUR CALENDAR

Date: Thu, Jul 28, 2016
Time: 1:00 PM - 2:00 PM EDT

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