

# Collaborative Robots

**Speaker: Dylan Shanahan, Universal Robots**

**August 13, 2018 at 7:00 PM**

**Location: 6690 Mission Gorge Road, San Diego, CA 92120**

Industry 4.0 and Collaborative Robots, or CoBots, are changing the landscape of manufacturing floors around the world. Universal Robot's Danish robots are democratizing robotics and bringing manufacturing back to the US. Designed to be used alongside human workers, these robots are used without the need of specialized guarding that traditional robots require. This helps to shrink the overall space a robotic cell needs, allows the robot to be moved to different locations to perform different tasks, and overall allows a company to be flexible in their deployment of robotics. CoBots from Universal Robots are also designed for programming and use by non-programmers, allowing users to easily and effectively utilize robotic functions in their everyday operations.



This talk will briefly describe Collaborative Robots as market disruptors as well as how the robotics industry is adapting to this technology. This talk will also describe the changes in technology that allow for the use of Collaborative Robotics, how they're being used today, and will involve a technical demo showcasing the Universal Robots easy programming and safety functions. After a brief Q&A, the attendees will then be able to program and interact with the robot.



**Dylan Shanahan** received his Bachelor's Degree in Electrical and Computer Engineering from California Baptist University in Riverside, CA in Dec. 2015. He is currently working for Universal Robots as one of their Technical Support Engineers where he provides technical assistance for applications, maintenance, and programming guidance; he is also the main trainer in the California Office, works at tradeshow and performs Technical Seminars in the Western US. Dylan has been an active member of IEEE since his freshman year of college eventually becoming the Chair of his student organization and recently serving as the Co-Chair for the Young Professional Society for the Foothill Section.