

Title: Cognitive Robotics on the Factory Floor

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Abstract:

Current manufacturing robots are typically preprogrammed to perform one fixed task efficiently. This requires a long, expensive, setup in order to integrate into an assembly line, and means making changes in the assembly process is difficult as well.

Cognitive robots, which are endowed with the ability to reason, allow for faster setup through high level programming, and added flexibility in the assembly process. In this talk, I will present recent work on how cognitive robots can work with a human, responding to the human's actions intelligently.