Analysis and Design of Logic Controllers for Reconfigurable Manufacturing Systems

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In this talk, we will present our work on the analysis and design of logic controllers for reconfigurable manufacturing systems. The talk will begin with a description of the concept of reconfigurable manufacturing systems. Next, we will present the problem of analysis and design of logic controllers. After presenting some technical background from modeling and formal verification, we will present some analytical results on controller analysis. The talk will conclude with some approaches to the controller design problem.