

# Techniques for Mitigating the Difference Between Cyber Systems and Physical Systems

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## Abstract

Cyber physical systems (CPS) are one of new trends and research topics in recent years. To build a real cyber physical system will face numerous challenges because there exist a lot of differences between the cyber system and the physical system. In this work, we design an automatic control system for CPS, and a greenhouse system is constructed for simulation. We also devise some methods to mitigate the time differences between cyber and physical systems. Simulation results demonstrate that those proposed methods recover the system faster.

Keyword : Cyber physical systems, automatic control system