

## The Framework of System Safety for Multi Human-in-The-Loop System

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**Abstract :** In Cyber Physical System (CPS), if there are a large number of persons in the process, a role of person in CPS might be different comparing with the one-man system. It is also necessary to consider how Human-in-The-Loop Cyber Physical Systems (HiTLCPS) ensure safety of each person in the loop process. In this paper, the authors discuss a system safety framework with an illustrative example with STAMP model to clarify what point for safety should be considered and what role of person in the should have.

**Keywords :** cyber-physical-system, human-in-the-loop, safety, STAMP model

**Conference Title :** ICRSSE 2016 : International Conference on Reliability, Safety and Security Engineering

**Conference Location :** Paris, France

**Conference Dates :** August 22-23, 2016