It solves

**Interference of physical behaviors on cyber behaviors**

Since cyber actors no longer contain continuous behaviors, state of actor can only be modified by its cyber thread.

**Part of Nondeterminism**

A physical actor can only have one continuous behavior. The nondeterminism due to expiration of multiple continuous behaviors in one actors is reduced to nondeterminism of network.

**Part of Limited interaction between cyber and physical behaviors**

Cyber behaviors can force a mode change on physical actors during execution of its continuous behavior.

Other benefits

* Creation of conceptual separation between cyber process and physical processes.
* Variable sharing seems necessary in physical behaviors
* Modelers can work on their expertise.