

Analysis on security and privacy properties in Cyber-Physical Control Systems

Description

- There are increasing concerns on the vulnerability of CPS regarding leaking vital information.
- Applications: defense systems, banking systems, health care systems, etc.

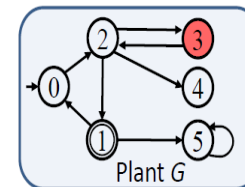
Tasks:

- ☐ Study the main concepts of confidentiality properties of CPS.
- ☐ Leverage abstraction-based techniques to analyze opacity property of CPS modeled by automata.



Advisor

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The system has a **secret**

s

Projection
/Mask

$P(s)$



Intruder/ Malicious Observer