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REVIEW ARTICLE

Review of Attack Detection Scheme for Cyber Physical Security System

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Abstract

Cyber-Physical Systems (CPSs) are characterized by integrating computation and physical processes. The theories and applications of CPSs face the enormous challenges that are (1) general workflow of cyber physical systems, (2) identifying the unique properties of cyber-physical systems and (3) discussing security mechanisms applicable to cyber physical systems. In particular, we analyze and we propose a mathematical framework for security mechanisms for: prevention, detection, resilience of attacks cyber-physical systems, attacks, and monitors.

Keywords- Cyber Physical System (CPS); security mechanism; attacks

Full Text: <http://www.ijcsmc.com/docs/papers/December2013/V2I12201388.pdf>