A survey on Security and Trustworthiness in Cyber-Physical Systems

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1 Introduction To CPS

Cyber-physical systems (CPS) are smart systems that include engineered interacting networks of physical and computational components. Bringing these different components together aims to improve the quality of modern life and introducing the advances of technology to critical areas. The impact of CPS in life can be spotted in many areas, such as; autonomous vehicles, intelligent buildings, smart energy systems, robots, and smart medical devices.

1.1 Trustworthiness in CPS

National Institute of Standards and Technology (NIST) defines trustworthiness of cyber-physical systems as the demonstrable likelihood that the system performs according to designed behaviour under any set of conditions as evidenced by characteristics including, but not limited to, safety, security, privacy, reliability and resilience.

2 Introduction to security issues in CPS

3 Related work

4 Defining Main comparison parameters

5 Results

6 Conclusion

References

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