

Réunion 26/09

Lecture

- **Rapport de stage Adrian Bonnet**
- **Cioroaica Emilia, Kuhn Thomas, and Buhnova Barbora, “(Do Not) Trust in Ecosystems.”**

Reste à faire:

- **Lire pages SMA sur le site de IESE Fraunhofer et parcourir documents posés par Annabelle**

Etat de l'art

- **Début écriture (plan et background)**

1 Background

Multi-Agent systems (MAS) and Digital Twins (DT) are two interesting models nowadays. Indeed, the first one is appreciated for its possibility to be decentralized, which is a goal in the Internet of Things (IoT) field. As for the DT, their real time simulation aspect has proved to be a very useful tool for testing. Few examples of both models used together exist ADD CITATION, and the security aspect of modeled Cyber-Physical Systems (CPS) are rarely mentioned.

Contents

1 Background

2 Multi-Agent Systems

2.1 Definition

2.2 Simulators

3 Digital Twins

3.1 Definition

3.2 Simulators

4 Cyber-physical systems vulnerabilities

4.1 Main attacks

4.2 MAS models for security

4.3 DT models for security

5 References

Individual Plan

- **Version finale terminée**

Reste à faire:

- **Récupérer feedbacks pour peaufiner**