

DYPOSIT: Dynamic Policies for Shared Cyber-Physical Infrastructures under Attack

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The Context

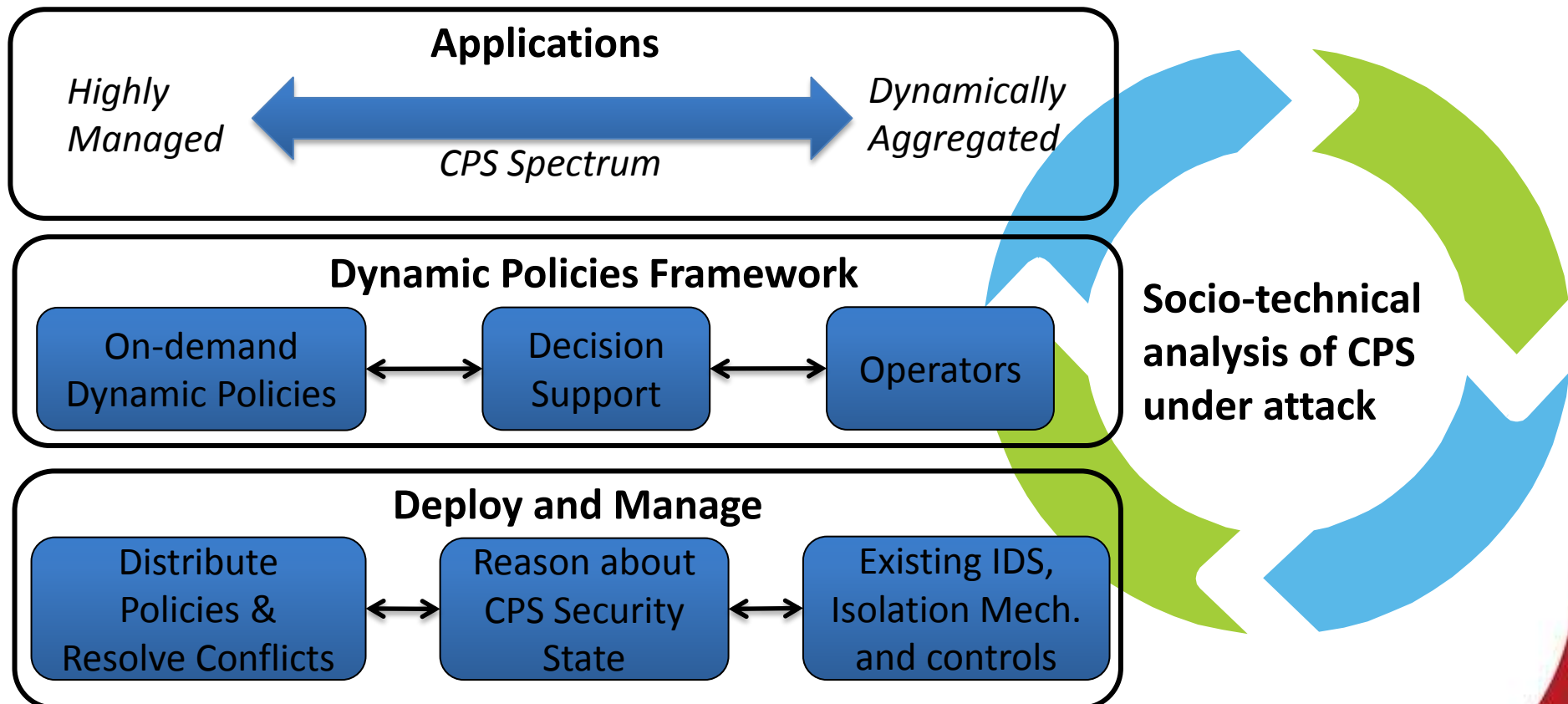


Key Challenges

- Security policy formulation and enforcement in a volatile, multi-stakeholder environment
- CPS security and human factors
- Real-world constraints of shared CPS infrastructures under attack



DYPOSIT



We build what we study
and we study what we build

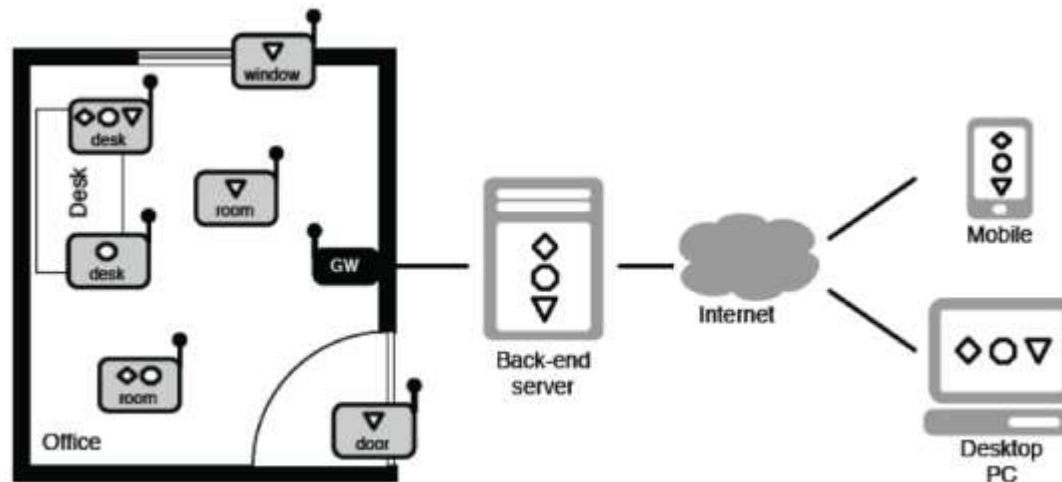




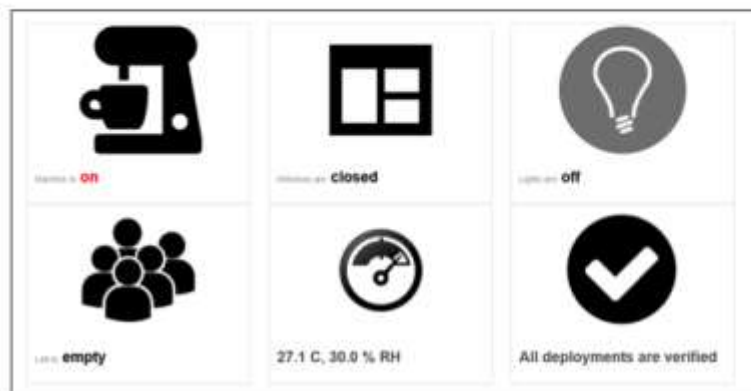
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Legend:  Hazard  Comfort  Security



Main Results to Date

- Attack models for CPS infrastructures
- Behaviours and responses of CPS infrastructures under attacks
 - Validated in ICS Testbed at Lancaster
- Initial model for policies and dynamicity
- International Workshop on Security and Resilience of Cyber-Physical Infrastructures (SERECIN), held in conjunction with International Symposium on Engineering Secure Software and Systems, April 2016, London, UK.

Sustainability and Valorisation

- SERECIN workshop as a first step to reaching key stakeholders
- Exploiting existing links, e.g., within UK Research Institute on Trustworthy Industrial Control Systems (Lancaster), iMinds (KUL) and CONNECT (UCC)
- Web site established
- Initial scientific publications in preparation