

Topic	Paper reference	Dataset (if needed)	Objectives					
<b>Industrial Control Systems</b>								
Attacks and detection 1	<a href="https://dl.acm.org/doi/pdf/10.1145/1966913.1966959">https://dl.acm.org/doi/pdf/10.1145/1966913.1966959</a>		Implement attacks (sec. 5.4, 5.5., 5.6) on Tennessee Eastman plant					
Attacking Modbus	<a href="#">link</a>		Implement a MODBUS simulator (using open source tools and simulators) and testing attack types in Table 4 of the reference paper					
Anomaly detection	<a href="#">Link</a>		Implement the anomaly detector on one of the two datasets					
<b>Internet of Things</b>								
TOCTOU remote attestation	<a href="https://dl.acm.org/doi/pdf/10.1145/3460120.3484532">https://dl.acm.org/doi/pdf/10.1145/3460120.3484532</a>		Implement the exchange needed by the attestation protocol on your machine					
SANA attestation	<a href="#">Link</a>		Implement the exchange needed by the attestation protocol on your machine					
SIMPLE	<a href="#">Link</a>		Implement the SIMPLE protocol					
Authentication	<a href="#">Link</a>		Implement the authentication protocol					
Attack detection	<a href="#">Link</a>	<a href="#">Simulator</a>	Implement an IoT network, test, and detect attacks					