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