Topic	Paper reference	Dataset (if needed)
CAN Bus		
ID-based Anomaly detection	Link	https://ocslab.hksecurity.net/Dataset/CAN-intrusion-dataset
context-based IDS	Link	https://ocslab.hksecurity.net/Dataset/CAN-intrusion-dataset
deep-learning based IDS (2 persons work)	Link	https://ocslab.hksecurity.net/Dataset/CAN-intrusion-dataset
Automotive Ethernet IDS	Link	https://github.com/Alkhatibnatasha/SOMEIP_IDS
Bus-off attack (original version)	Link	Need a physical testbed (1 arduino as target, 1 rpi/arduino as attacker)
Diver behavior fingerprinting	Link	Dataset
Autonomous Driving		
Impact of attack and detection in platoons (2 persons work)	Link	See simulators in the paper
Security of ACC	Link	Simulator or see available implementations is SUMO/Omnet++/Ventos
Replay detection	Link	Build simulator from the paper
CARLO implementation (if interested let's discuss what to do)	Link	Dataset in the paper
Physical removal attacks on LiDAR (if interested let's discuss what to do)	Link	Simulators in the paper
Drones		
Drone capture	Link	Simulator in the paper
Drone -bird classification	develop your own model (Yolov7?)	Link