Safeguarding embodied AI data

Keywords: Safety, security, Embodied AI

Description: This project will explore novel, efficient, and effective ways on how to securely log,

access, manage, and share (sensitive) embodied AI data from sensors and actuators as well as

planning and decision-making algorithms. The project will leverage the state-of-the-art in robotics and cyber-security (e.g. encryption, block-chain, data integrity) and link it to current standards and regulations for system security and AI (e.g. AI Act). Project outcomes can include novel algorithms, protocols, and/or a proof-of-concept implementation and evaluation for a robotic system.