Containerization and Orchestration of Software for Autonomous Mobile Robots and its verification environment on Edge-Cloud architectures

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Kairos k3s architecture

The software is completely containerized and distributed across a cloud-edge architecture.

Assertion based verification verifies that the robot's behavior is within operational safety constraints.
Everything is under control

The entire architecture is monitored from a single web-based dashboard, accessible from any device.
Thank you for the attention

You can check out the ICE demo running on the Kairos, as well as other technologies, in the ICE laboratory

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