

## MEMBERSHIP IN INTERNATIONAL ORGANIZATIONS

- Autware Foundation
- International Alliance for Mobility Testing & Standardization (IAMTS)

# TAL TECH

ROBOTICS &  
AUTONOMOUS  
VEHICLES

# Robotics and Autonomous Vehicles

Research Group @ TalTech



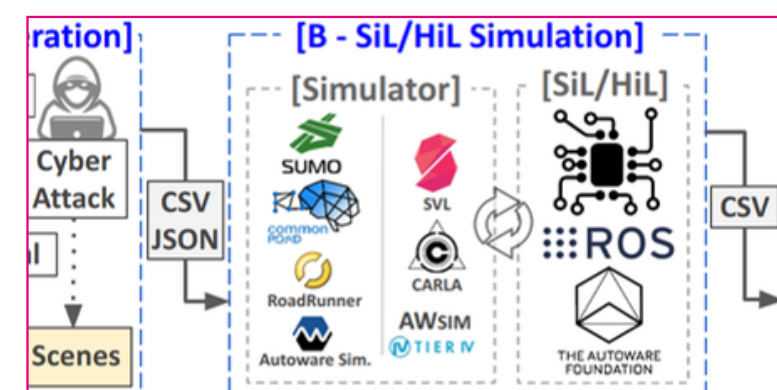
## RESEARCH FOCUS AREAS



SELF-DRIVING VEHICLES



MOBILE ROBOTS



SAFETY VERIFICATION & VALIDATION

## Robotics and Autonomous Systems (AS)

- ▶ Expertise in Autonomous Systems
- ▶ Simulations, Digital Twins, and Real-life Experiments
- ▶ Indoor and Outdoor Robots
- ▶ Low-level Cyber-physical Systems

## Smart City Mobility

- ▶ Smart City Experiments, V2X, 5G and HMI
- ▶ Last-mile Connected Mobility
- ▶ Digital Traffic Layer for City Mobility
- ▶ Language of Driving for Autonomous Mobility

## Autonomous Vehicles (AV) Technologies

- ▶ Sensor Fusion: LiDAR, Radar, Cameras
- ▶ Verification and Validation of AV
- ▶ Cybersecurity of AV
- ▶ Open-source Frameworks for Autonomy

## AI & Data

- ▶ LLM-based Edge Case Scenarios Generation
- ▶ End-to-End Autonomous Driving
- ▶ Big Data for Machine Learning
- ▶ AI Safety and Risk Assessment Methodology

## CONTACT

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