

SICO

Safe Wirelessly Interconnected Cooperating Vehicles

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PROJECT IDEA

- Efficient and effective safety assurance when introducing wireless technology in cooperating vehicular systems
- Partial safety concepts for cooperative embedded systems, capturing how each cooperating system should behave so that the whole system will be adequately safe.
- Mechanisms for safe wireless communication between cooperative embedded systems, developing communication protocols engineered to realise the system safety concept
- Safety assurance for cooperative embedded systems, to confirm that the completed system is adequately safe



MOTIVATION

- Trends towards increased cooperation, interconnection and automation of vehicles
- Increased legislative and administrative pressure to improve safety has produced regulation like the new European Machinery Directive 2006/42/EC and voluntary safety standards like ISO 26262. To comply, companies have to follow new demanding and rigorous safety processes.



AIM

- To enable a new paradigm for certification and development of safety-relevant networked vehicular systems and cooperating systems of such systems.



IMPACT

- Enabling new applications of SCPS
- Improved dependability of SCPS
- Reducing cost of producing certified SCPS



Thank you!



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