AoA Transport and digitalisation. In 7 minutes.

+ many more!
Software complexity visualization

When will we stop being able to secure the safety of the software?

How can we release software that we cannot safety-assure?

When will we experience "emergent" behaviour caused by the lack of control over complexity?

Miroslaw Staron, Professor, Software engineering
Chalmers | University of Gothenburg
Envisioned solution

- Safely and efficiently navigate inner-city traffic
- Interact with cooperative and non-cooperative road users and infrastructure
- Robust (cooperative) situational awareness
- Safety guarantees through design
COVET
- Decentralized traffic light harmonization
- Vehicular routing

IFM
- Accidents in flow
- Dynamic speed limit
- Ramp control

Assoc. Prof. Balazs Kulcsar

Large scale traffic network efficiency and safety
Advanced text mining to analyse traffic accidents

A lot of accident databases are in text format

As data volume increases, manual analysis (search by key-words) becomes challenging

We explore machine learning techniques for analysis of comments in accident database
The future of the freight industry is digital

3 mountaintops to climb towards real-time, data-driven decision making

AEOLIX
Architecture for EurOpean Logistics Information eXchange (EU)

DREAMIT
Digital REal-time Access Management in Intermodal Transportation (SE)

Real-time data challenges in freight transportation

Collect  Process  Exploit

Dr Per Olof Arnäs