Title

V2X Network Simulation

Presenter

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Leaders in simulation and VR solutions

• Antycip Simulation
  • Paris, Oxford, Milan
  • Founded in 1996

• Core offering
  • Professional grade simulation, projection and VR solutions

• Markets
  • Universities
  • Automotive
  • Aerospace & Defence
  • Space
The Promise of V2X Network Comms

- Extends awareness beyond visual and sensory fields of views
- Improves road safety by reducing collisions
- Delivers more efficient transport systems
The Challenges of V2X Network Comms

• Interoperability is crucial

• Extreme reliability in a dynamic environment

• Low latency, high speed

• Crowded space with interfering signals

• Competing technologies
  • e.g. DSRC and C-V2X
Modelling V2X Network Comms

- **Exata** — Network modelling software
  - *Scalable Network Technologies*

- Model and simulate networks
- Analyse & predict performance
- Test and challenge

- Reduce costs, errors and time to implement real world systems
Modelling V2X Network Comms

- Network performance information at every layer of the stack
- Identify problems in various environments and scenarios
- Thousands of nodes, real-time speed and real world fidelity
- Models include:
  - DSRC/802.11p
  - LTE
  - Thread
  - Bluetooth
  - 5G
- Optional cyber library for attacks, defences and vulnerabilities
Find out more

• Visit us on stand 29
  • Antycip Simulation

• www.scalable-networks.com

• www.antycipsimulation.com

• Have a demonstration at Antycip’s Paris, Milan or Oxford offices