



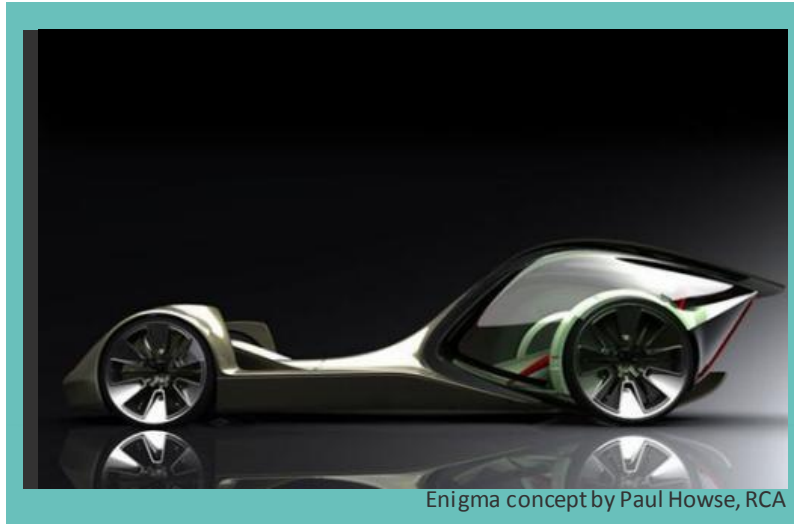
Break-out session

Big data, IoT, AI and deep learning

Monday April 3 2017, Brussels, break-out session



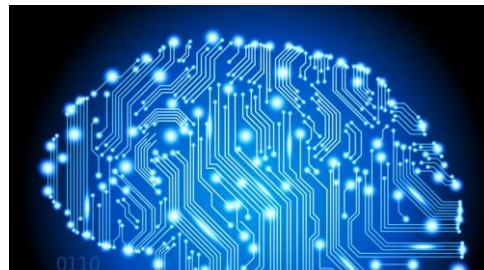
Framework



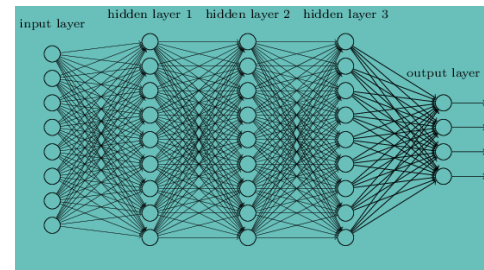
- Business
- Traffic
- Control
- Scenarios
- Perception



Big data



Artificial intelligence



Deep learning



Internet of Things

Overview

- 14:45 Framework and overview
Sytze Kalisvaart, TNO, project manager Integrated Vehicle Safety
- 14:50 Intelligent validation of automated driving
Tom Lüders, Director Testing Solution, Hella Aglaia
- 15:10 Smart cities, traffic and AI
Pieter Colpaert, Chief Technology of “Smart Flanders”, Ghent University,
Department of Electronics and information systems, IMEC
- 15:30 Trends and Challenges in AI and IoT for Connected Automated Driving
Roberto Baldessari, Deputy General Manager at NEC Labs Europe, NEC Europe Ltd
- 15:50 Forum discussion
- 16:00 End of session



Speaker presentations



Break-out session Big data, IoT, AI and deep learning

Thursday, May 4, 2017

Scope

- What should we not expect from big data, AI and Deep learning?

Validation of AI and deep learning

- How to validate an AI / deep learning enabled vehicle?
When is it good enough?

Trust

- How can we handle trust for data that is available through IoT?

2040

- What will happen?
 - A. Cars will be aware of the current driving context as scenarios (take over, cut-in, etc.)
 - B. Cars will handle individual moving road users as objects without higher meaning

2040

- What will happen?
 - A. AI work will focus on services and optimizing traffic behaviour for that
 - B. AI work will focus on optimizing individual vehicle behaviour and comfort

2040

- What will happen?
 - A. Multi-brand sensor fusion
 - B. Single-brand higher integration of radar, camera and software

2040

- What will happen?
 - A. Our car data will be in Apple iCloud or Google Drive
 - B. Our car data will be in a European cloud solution

2040

- When we have solved all this,
what will be our challenges in 2040
in the area of big data, IoT, AI and deep learning?



Thank you!



CARTRE and SCOUT are funded by
the European Union Horizon 2020
Work Programme

