

Parliamentary Outreach Event

on

Intelligent Transport Systems

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The Automotive Perspective

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Global Trends Influencing Automotive Planning



Population growth

More accidents
More congestion
More emissions
Aging population

Urbanisation

Limited space
Optimisation
Mass transit
Mega Cities

Connectivity

"Big Data"
Inter-operability
Cyber security
Privacy

Automotive trend: Autonomy



Advisory

Suggestive

Full Authority



2013 Ford Fusion (Photo: Ford)

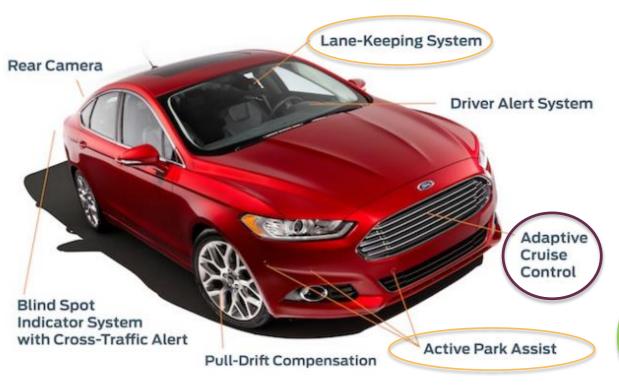
Automotive trend: Autonomy



Feet Off

Hands Off

Brain Off







2013 Ford Fusion (Photo: Ford)



ITS Status (from an automotive perspective)

Autonomy is coming but it only solves the safety issue

- Massive hardware duplication pushes up cost
- "Stand alone" vehicles have a limited horizon and limited options
- Cooperative systems would also help optimise the traffic flow

Two different industries starting to run on parallel paths

- Addressing the same societal issues: Safety, Congestion, Emissions
- Common problems: data ownership, inter-operability, security, etc.
- Could we soon be second guessing each other?

Transformation of cars in to machines that communicate with each other

- Need for real world studies and cross sector working
- Intensive social debate
- Legislation



