Conceptualizing Road Safety Principles in the IoT era

Joint meeting Global Forum for Road Traffic Safety (WP1) – GRRF / WP29
20 September 2017
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Road Traffic Safety

- Driver
- Users
- VRU
- Principles - Concepts: key stones for Conventions/resolutions and Domestic regulations

- BUT now.....
Car Sapiens
re-calibrating parameters

• Changing [or zero-in] role of the driver
• Co-presence in the vehicle: the dawn and rise of A.I.
• With A.I., vehicle stays in IoT as a fragment in a galaxy
• In this context, it seems that road traffic safety parameters will have to consider inputs relating to connected infrastructure operational frame, handling of big data, potentiality of augmented reality, latency, block-chain – all factors to weight in when rethinking safe mobility

• And the unleash of the cybercrime within road traffic multi-faceted environment ....
#Wannacry-#Wannacar?

- Harbingers of HAV Flaws: Charlie Miller & Chris Valasek

- Their "research –/ethical hacking" work helped manufacturers to create a security update to fix the flaw that gave them such easy remote access to the car. At Black Hat Security Conference they revealed how easy it would have been to break into several other driving systems.

- What if, like Wannacry…?
Call for policy makers and legislators

• Exposure of Traffic, road users and vulnerable road users to a “weaponized” car or road junction

**When dealing with Road Traffic safety policies in the very next future Governments and International Fora should then take into account this new aspect of data theft / mishandling and systems misuse for unitented purposes

• Trading liberty for security, would it be the societal price or an inevitable choice?
Time for adaptive and inclusive Road Safety policies

• Global Forum for Road Traffic Safety as part of the motion in this challenge

• Future views exchange, exploring eventual common concerns. Today, this could be seen as a first acknowledgement of the relevance of such cross-influential topic as cybersecurity certainly is.
Global Forum for Road Traffic Safety

• WE are all actors of the new mobility Evolution /Revolution

• THANK YOU

• Dott.ssa. Luciana Iorio
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