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# From the present to the future of cryptography in the automotive industry

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## Résumé

Nowadays, with the new features/functionalities in the modern vehicles, the vehicles become powerful mobile computing platforms and the door is open to new attacks/vulnerabilities and. Most of the stored, processed, or distributed information is sensitive and safety critical. Thus, security countermeasures have to be implemented to ensure the protection of this data (confidentiality, integrity, availability,...).

In this talk, first, we show how cryptography is now mandatory in the automotive industry (ISO21434, R155 and R156), and then how the automotive domain could react in the presence of quantum threats.

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