

IoT, 5G and Trusted Cloud (Keynote Abstract)

Victor Vuillard¹

¹ S3NS

Keywords

Cybersecurity, Identity, Authentication, Robotics, Drones, Cloud

Topic

The level of connectivity of connected objects brings new uses, particularly in the field of robotics and drones. This connectivity is a guarantee of efficiency and increasing cooperation between robots/drones or between robots/drones and humans. This opens up new cybersecurity challenges, with objects more exposed to threats coming from the Internet, while at the same time they need to exchange and store sensitive data that they collect. This requires to be able to identify and authenticate these objects and allow them to communicate to a Trusted Cloud.


Biography

Victor Vuillard is the security director of S3NS, a Thales subsidiary in partnership with Google, aiming to operate in France a Trusted Cloud offering with the efficiency and richness of GCP Cloud services. Before joining S3NS in September 2023, he spent 7 years at ANSSI. He was responsible for the audit and inspection team and in particular led the first audits of Operators of Vital Importance. He was then the first head of the Rapid Intervention Group, the ANSSI team which intervenes in large-scale compromises. At the same time, he held the position of Deputy SSI Officer of the SGDSN. In 2013, he joined EDF as cybersecurity manager for nuclear engineering to define the security strategy for the 58 French nuclear power plants, define the security architectures, audit the security level and participate in cybersecurity governance jointly with the operator. In addition to creating and managing the team in charge of these cybersecurity issues at EDF, he was also French representative at the IAEA (United Nations) to help define international practices for securing nuclear installations, as well as at the IEC. In 2018, he was then security director of the Parrot group, the leading European manufacturer of micro-drones. As Cybersecurity CTO, he designed the overall security architecture and security features of drones, to deliver trusted drones, particularly for defense and homeland security.

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 <https://www.linkedin.com/in/victor-vuillard-0a2477136/> (V. Vuillard)

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