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12:50 pm – 1:10 pm

*Intersection of Quantum, AI and Security, Thales TCT*

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**Abstract:**

Artificial intelligence (AI) is rapidly transforming our world, from the way we work to the way we interact with machines. Once AI is able to utilize the power of quantum computing, the results—both good and bad—will be immeasurable. As AI becomes more sophisticated, so too do the potential security risks.

This session will discuss the critical issues at the intersection of Quantum, AI and security. The speaker will explore:

- Countering malicious use of AI systems by actors with ill intentions, such as criminals, terrorists, or hostile states.
- Adversarial attacks on AI, such as attempts to fool or manipulate AI systems by exploiting their vulnerabilities or limitations.
- Protection of the massive amounts of data used by AI systems to learn and improve their performance.
- Using AI to enhance cybersecurity, such as preventing cyberattacks, optimizing security processes, and improving security resilience.
- Deploying quantum-resistant security to protect data at the heart of AI