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The Internet of Things and Information Warfare

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With the advent of the Fourth Industrial Revolution, there is a rise of connected 'smart' devices called the Internet of things (IoT). This has possible implications for the network architecture and exhibits an increase in the variety and volume of data that needs to be catered for on networks. In addition, IoT has been seen to result in a broader attack surface for information warfare as well as the utilisation of compromised IoT devices to conduct attacks that have disrupted large networks. The presentation will provide an overview of IoT-related security incidents and focus on the security considerations of IoT, as well as information warfare attacks enabled by IoT.

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