

## The Internet of Military Things (IoMT): Operational Opportunities and Security Challenges



Dr Konrad Wrona, NATO Communications and Information Agency (NCIA)  
Dr Matthew Mackay, Logiq Consulting (UK)

Dear Madam, Sir,

We are pleased to invite you to an **online evening conference** organised on **Thursday 23 September 2021** by the **Centre for Security and Defence Studies** of the Royal Higher Institute for Defence.

Smart devices connected to the Internet – the “Internet of Things” (IoT) – are making life more convenient, improving industry efficiency, allowing predictive maintenance and saving lives. As it was expected, this technological breakthrough has resulted in many military applications, collectively known as the “Internet of Military Things” (IoMT).

IoMT devices will allow an unprecedented level of connection between ships, planes, drones, soldiers and operating bases that will improve situational awareness, risk assessment and response time. On the logistical side, IoMT will guarantee predictive maintenance of platforms and real-time diagnosis of soldiers thanks to connected combat suits, helmets and weapon systems. IoMT devices and infrastructures will also involve pervasive detection, communication and computing to such a level that advanced AI systems will be required in order to proceed to the efficient analysis of the vast amount of data that will result from the global networking of military devices and platforms.

The other side of the coin of IoMT is obvious: this global networking entails cybersecurity issues. Connected to the internet to be located and manipulated by their legitimate operators, these devices are perfect targets for malicious actors. The fast-growing IoMT poses disruptive challenges for national defence authorities because IoT/IoMT devices become new kinds of targets, as well as new weapons that can threaten economic and physical security.

In order to discuss these issues, we will be pleased to welcome Dr Konrad Wrona, Principal Scientist at the NATO Communications and Information Agency (NCIA) in The Hague (Netherlands), and Dr Matthew Mackay, Principal Consultant at Logiq Consulting (United Kingdom).

This conference will take place in **English** on **Thursday 23 September 2021 at 17.00 hours**. We thank you in advance for registering via the following link: <https://www.defence-institute.be>. **Registration, subject to availability, is compulsory and must be received by Monday 20 September 2021 at the latest.** You will then receive the link to connect to the conference.

(Signed)

Filip BORREMANS, MSc Eng  
Air Force Colonel GS  
Director-General  
Royal Higher Institute for Defence

**Programme:**

16.00 – 17.00: Registration – connection to online conference  
17.00 – 18.30: Conference and Q & A