

## Week 7

Hi everyone and welcome to the final week of the module, week 7 of Security and Risk Management in a Digital Environment. Please join me once again in the final stages of our journey to understanding this important area of managing security and risk. Having established last week the fundamentals of mitigating risk with a Business Continuity Plans and Disaster Recovery Plans, we will now look to the future and what it might hold for managing security and risk with the added complexity of emerging technologies. This week will give you an insight into technologies for the future and the possible problems and challenges it might bring.

We will start the week with a lecture (slides with voiceover), on the impact of future technologies and what security and risk measures might be needed for the future.

We will continue with reading a report on '*Good Practices for Security of Internet of Things in the context of Smart Manufacturing*', that looks at the relationship between Cyberphysical Systems and the Internet of Things (IoT).

The second lecture will be a TED talk on '*the war for information will quantum computers defeat cryptographers?*' This is a very interesting outlook on how cryptographers will have to change their ways of working to meet the new challenges they might have to face with the introduction of Quantum computing.

Following these activities, I will also be asking you to share your views with fellow students on how you see the role of security and risk management changing due to future technologies and the problems and challenges they might bring. This is to enable you to discuss your understanding of differing mitigating techniques that could be needed in the future to account for emerging technologies, and will also help with your final summative assessment. Please ensure that you engage with these discussions as they will further your understanding of the weeks' content and can contribute as useful information to add to your portfolio for the final summative assessment.

At the end of the week, there will be a summary of both the week and the module, and you will have the final Summative Assessment (60% of the module weighting), to be submitted on the Monday of Week 9.

Please complete all of the activities for the week and enjoy the work as we continue on the final stage of our journey.