



03-11-20

# EUROPEAN QUANTUM WEEK

## EDUCATION SESSION

### **What is this European Quantum Week education session about?**

To many people, quantum physics is a term that goes hand in hand with science fiction movies thanks to mind-blowing yet fascinating quantum concepts such as entanglement, superposition and teleportation. However, these fundamental concepts are now responsible for some incredibly exciting and life-changing emerging technologies. We are entering the second quantum revolution (the first being the emergence of lasers and devices utilising semi-conductors etc) and are now starting to see new quantum technologies move out of the lab and into everyday life. In this talk, Professor Tim Spiller from the University of York in the UK, will introduce some of the key concepts of quantum physics and will explain how quantum technologies, specific to communications, will revolutionise and future proof cyber security.

### **Who can join?**

All secondary school students and classes can join this fully virtual European Quantum Week education session.

### **How to join?**

No registration is required, attendees can join by tuning into the [Quantum Communications Hub YouTube channel](#) at 16:00 GMT on Tuesday 3 November 2020.

### **How it works?**

The one-hour talk will take place live on YouTube on **03.11.2020 at 16:00 GMT**. The talk will be given by Professor Tim Spiller, Director of the UK Quantum Communications Hub.

Should you have any questions, do not hesitate to get in touch by emailing:  
[enquiries@quantumcommshub.net](mailto:enquiries@quantumcommshub.net)

We are looking forward to having you join us on the day!

<https://eqw.qt.eu/eqw-education/>