



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Defence, Civil
Protection and Sport DDPS
armasuisse
Science and Technology

QUANTUM: THE DISRUPTION?



September 4th 2019 Thun

Contact

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PROGRAM

- 08:30 Registration & Welcome Coffee**
- 09:00 Introduction**
Dr. Quentin Ladetto, armasuisse S+T
Dr. Peter Wellig, armasuisse S+T
- 09:15 Quantum Computing and the new IT Revolution**
Dr. Tommaso Gagliardoni, Kudelski Security
- 09:45 Quantum Communication**
Dr. Bruno Huttner, ID Quantique SA
- 10:15 The Quantum Risk to Cyber-Security**
Dr. Ludovic Perret, CryptoNext
- 10:45 Coffee Break & Networking**
- 11:15 Panel discussion - What does it mean for the armed forces?**
- 11:45 Quantum Navigation**
Dr. Ralf Ostendorf, Fraunhofer IAF
- 12:15 Lunch**
- 13:15 Industrialising Quantum Technologies**
Dr. Bruno Desruelle, Muquans
- 13:45 Quantum Ghost Imaging**
Dr. Helge Bürsing, Fraunhofer IOSB
Dr. Dominik Walter, Fraunhofer IOSB
- 14:15 Stand der Entwicklung hin zu mikrowellenbasierten Quantenradaren**
Martin Ummenhofer, Fraunhofer FHR
- 14:45 Panel discussion - What does it mean for the armed forces?**
- 15:15 Coffee Break & Networking**
End of Event

Registration and venue

Participation

The number of participants is limited
Priority is given to participants from the DDPS
There is no participation fee

Registration

Mandatory

<https://deftech.ch/register>

Deadline

August 15th 2019

Address

armasuisse S+T
Feuerwerkerstrasse 39
3602 Thun, Switzerland



Organizers

This event is an initiative of the Technology Foresight research program from armasuisse Science and Technology. Its goal is to anticipate and understand the emerging and disruptive technologies which might have implications for the military in general and the Swiss Armed Forces in particular.

SHOWCASE

Dotphoton : Raw image compression for machine vision and AI with no quality compromise

CSEM* : Innovative quantum sensing and imaging LiDARse (* CSEM: Centre Suisse d'Electronique et de Microtechnique)