Federal Department of Defence, Civil Protection and Sports DDPS armasuisse Science and Technology S+T



International Workshop: Connected Objects in Defence and Security

Date: Wednesday, 6th September 2017, 09:00-17:00

Location: armasuisse Science and Technology

GHH, L503-504

Feuerwerkerstrasse 39, CH-3602 Thun

Registration

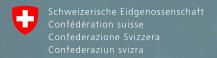
There is no registration fee.

The workshop is open to participants from academia, industry and government. Participants are required to register by **23rd August 2017** by sending an Email to Mrs. Daniela Lohri - daniela.lohri@armasuisse.ch - with the subject "Connected 2017".

Organizers

armasuisse Science and Technology is the research and technology agency of the Federal Department of Defence, Civil Protection and Sport. The agency conducts a multitude of research programs to advance knowledge and create innovative technologies that address the current challenges of the armed forces (www.sicherheitsforschung.ch). This workshop is a joint initiative between the Technology Foresight program led by Dr. Quentin Ladetto and the Cyberspace and Information program led by Dr. Vincent Lenders.





PROGRAM

09:00	Introduction Dr. Quentin Ladetto & Dr. Vincent Lenders, armasuisse S+T
09:15	Military Applications of Internet of Things Dr. Konrad Wrona, NATO Communications and Information Agency
09:45	Dr. Konrad Wrona, NATO Communications and Information Agency When Security and Defense Meet the Internet of Things Prof. Thomas Gauthier, HEG-GE & EMLYON Business School
10:15	The Swiss Data Science Center - A National Center for Data Science Dr. Olivier Verscheure, Swiss Data Science Center (ETH Zurich & EPFL)
10:45	Coffee & Posters
11:15	Building a Global Crowd Sourced Internet of Things Data Network in 6 Months Mr. Wienke Giezman, The Things Network
11:45	Mr. Wienke Giezman, The Things Network LoRa: Low-Power Wide-Area Technology Mr. Didier Helal, Orbiwise SA Questions - Discussion
12:15	Questions - Discussion
12:30	Lunch - Posters - Networking
13:45	From Conventional RF Monitoring to Open and Big Spectrum Data: Challenges and Opportunities Prof. Domenico Giustiniano, IMDEA Networks Institute Deploying IoT Applications in a Fog of Connected Objects Prof. Antonio Brogi, University of Pisa Coffee & Posters
14:15	Deploying IoT Applications in a Fog of Connected Objects Prof. Antonio Brogi, University of Pisa
14:45	Coffee & Posters
15:00	Reliable Network Forensics by Credal Networks Dr. Alessandro Antonucci, IDSIA (Istituto "Dalle Molle" di Studi sull'Intelligenza Artificiale)
15:30	Where a Blockchain Makes Sense and Blockchain for Defense in Depth Dr. Arthur Gervais, ETH Zürich (ETHZ) Quantum Technologies and the Security of Connected Objects
16:00	Quantum Technologies and the Security of Connected Objects Dr. Nicolas Brunner & Dr. Grégoire Ribordy, University of Geneva & ID Quantique SA
16:30	Discussion & Conclusions Dr. Quentin Ladetto & Dr. Vincent Lenders, armasuisse S+T
16:45	End of the Workshop

POSTERS

Secure health monitoring solutions

Altran AG

Unisys Stealth

Unisys AC

TAKE - Tactical Ad-hoc Network Emulation

HEIA-FR & armasuisse S+T

A point cloud based UHF-VHF channel model for connected tactical objects

HEIA-FR & armasuisse S+T

Automated BI: IoT Patent Landscape

Centredoc

Electrosense: Open and Big Spectrum Data

IMDEA Networks

Energy efficient Smart Sensing with Self-sustaining

Connected devices

ETHZ - Integrated Systems Laboratory

