**Quantum Europe- List of exhibitors – 25th April 2016**

**Education**

IQST graduate school on quantum science and technology

*Exhibition and poster*

* A laser interference experiment to explain quantum effects
* A computer with a game of "physics or art", and videos explaining quantum science.
* A representative quantum technology: an NV center Diamond Magnetometer.

Centres of Doctoral Training (UK)

*Poster*

**Science**

Quant-ERA

*Poster*

**Science and Engineering**

QuTech (Communication, computing)

*Poster and Exhibition*

* Single-spin-qubit demonstrator

Quantum hub for sensors and metrology- University of Birmingham- (Sensing)

*Poster and Exhibition*

* Quantum gravity sensor

QuSoft (Computing)

*Exhibition and poster*

* double slit experiment
* Grover’s search algorithm
* Explaination of delegated quantum computation

Centre for quantum devices- university of Copenhagen

* Quantum Gaming
* ‘Sparrow’ single photon source
* ‘QDevil’ low temperature electronics

Qtech-

* Full Hilbert space simulation on a desktop up to 31 qubits

INRIM and the Italian Quantum Backbone, IT

*Poster*

* the development of a metrological infrastructure supporting quantum cryptography industry and other single photon applications

University of Innsbruck

*Exhibition*

* ring trap,
* 3D Paul trap
* 2D surface trap

**Innovation- Components and Materials**

Toptica

*Exhibition and Poster*

* fully operational laser system with “quantum magic”

Single quantum

*Exhibition*

Element 6

*Exhibition*

**Innovation- Systems**

Muquans- Quantum Gravimeter (sensing)

*Exhibition*

ID Quantique (communication)

* QKD blade
* Quantis QRNG appliance.
* a live fiber tap on optical fiber

**Innovation- End users**

Airbus- (sensing, communication, simulation, computing)

* TBD

Robert Bosch GmbH (sensing)

*Exhibition*

* diamond sensor sensing magnetic field