

Quantum Systems Engineering Research Group

Tue, 2016-10-25 13:38 - [Mark Everitt](#) [1] **Website:**
<http://www.lboro.ac.uk/research/quantum-systems/> [2]

Research Type: Theory
Experiment

- The application of Systems Engineering Methods to accelerate Blue-Sky and low TRL devices and technologies.
- The development of new Systems Engineering methods that will be needed in the quantum technologies industry specifically in the areas of Quantum Design for ... (test, reliability, manufacture). Here, for example, we are pioneering the use of phase space methods for feedback & control and certification of quantum systems.
- Additive manufacture for developing quantum technologies (currently focused on superconductors).
- Quantum reliability engineering with an aim to develop an analysis of failure laboratory.
- Development of computer aided engineering solutions.
- Delivery of systems engineering training and mechanisms to enhance collaboration with the sector.

Leader: Mark Everitt

Location

Loughborough University Loughborough United Kingdom
52° 46' 19.5564" N, 1° 12' 22.1976" W
See map: [Google Maps](#) [3]

- [Quantum Control](#) [4]
- [Quantum Engineering](#) [5]
- [Quantum Simulation](#) [6]

Source URL: <http://qurope.eu/db/groups/quantum-systems-engineering-research-group>

Links:

- [1] <http://qurope.eu/users/markjeveritt>
[2] <http://www.lboro.ac.uk/research/quantum-systems/>
[3] <http://maps.google.co.uk?q=%2C+Loughborough%2C+%2C+uk>
[4] <http://qurope.eu/category/virtual-facility/quantum-control>
[5] <http://qurope.eu/category/virtual-facility/quantum-engineering>
[6] <http://qurope.eu/category/virtual-institute/quantum-simulation>