

QUAINT

Mon, 2012-11-26 11:10 - [Dr Ilya Kuprov](#) **Full Name:** Optimal Control Technologies in Quantum Information Processing

Coordinator: Ilya Kuprov

Location

University of Southampton Southampton United Kingdom

50° 54' 34.92" N, 1° 24' 15.6636" W

See map: [Google Maps](#)

Website:

<http://qurope.eu/projects/quaint>

Running time: 2012-08-01 - 2015-07-31

We seek to bring together all major European and Israeli research centres in Optimal Control of Quantum Systems. This project coordinates scientific activities, research publications, personnel training and public engagement in 17 established research groups from 15 universities in 6 countries - a total of about 60 scientists and 30 PhD students, spanning a variety of nationalities, races, cultures, social backgrounds, genders and career stages.

The Consortium unites the forces of multiple EU and Israeli research groups to explore a radical expansion of the currently established technologies - quantum technologies, where bits are carried by atoms or elementary particles and dramatic improvement is believed to be possible for several types of technological processes. Our specific research area within Quantum Technology is optimal control of quantum systems - a set of methods that enable extremely accurate manipulation of quantum systems with minimal expenditure of energy.

Within this Coordination Action, we aim to create a vibrant, productive and efficient European research community, to deliver value to the society and to grow a new generation of young European physicists.

- [CA](#)
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