

## PhD Positions in Quantum Communication

Tue, 2017-02-07 17:44 - [Mikael Afzelius](#) [1] **At:** Group of Applied Physics at the University of Geneva, Switzerland

**Deadline:** 30 April, 2017

### Location

University of Geneva Geneva Switzerland  
46° 12' 15.8076" N, 6° 8' 35.3688" E  
See map: [map.search.ch](#) [2], [Google Maps](#) [3]

### PhD Positions in Quantum Communication

The **Group of Applied Physics at the University of Geneva in Switzerland** is one of the premier research institutions in the field of Quantum Information Science and Technology. **The Quantum Repeater and Memory** group led by Dr. Mikael Afzelius and Prof. Nicolas Gisin is inviting motivated people to apply for several **open experimental PhD positions**.

The candidates will work on the realization of state-of-the-art long-lived quantum memories for single photons based on rare-earth-ion doped crystals and the generation of entanglement between photons and rare-earth ions for quantum repeaters. The Group of Applied Physics has established itself as a leading laboratories in quantum memory/repeater research, with a speciality in developing solid-state light-matter interfaces at the quantum level. Research students will have access to state-of-the-art facilities and may participate in multi-national, large-scale collaborative projects.

We seek bright and motivated international graduate students, with a strong background in coherent light-matter interactions/spectroscopy and quantum optics. The students should hold the equivalence of a European Masters diploma. A PhD degree takes about 4 years to obtain at University of Geneva.

For more information on the group visit: <http://www.unige.ch/gap/quantum/> [4]. Applications can be sent by email to **mikael [dot] afzelius [at] unige [dot] ch**. A complete application should include a CV, a short description of research interests, a list of courses (with grades) and at least two recommendation letters or the names of at least two potential referees and their relationship to the candidate.

- [PhD](#) [5]

**Source URL:** <http://qurope.eu/db/jobs/phd-positions-quantum-communication-0>

### Links:

- [1] <http://qurope.eu/users/mafzelius>
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- [3] <http://maps.google.ch?q=%2C+Geneva%2C+%2C+ch>
- [4] <http://www.unige.ch/gap/quantum/>
- [5] <http://qurope.eu/db/jobs/type/phd>