

# QuEnG PhD. Program 2017

## Call for Application

### Interdisciplinary PhD program "Quantum Engineering Grenoble"

We invite outstanding candidates to apply for our three-year interdisciplinary PhD program "Quantum Engineering Grenoble" (QuEnG). The QuEnG program aims to foster a local ecosystem for quantum technologies, building on the unique concentration of expertises, know-how, and resources of Grenoble area. The targeted ecosystem will connect various areas of knowledge, from science to humanities and entrepreneurship. The students of the program will work together to address current challenges of quantum technologies, at the interface between physics, computer science, mathematics, industry, philosophy and social science. They will contribute to the creation, the development and the animation of the ecosystem through actions supported by Grenoble-Alpes University. The QuEnG program provides a unique opportunity to develop a network both in the private and in the academic sector, and to become one of the future quantum engineers.

### Description

10 PhD scholarships will be attributed on the following topics:

- **Quantum hardware:** up to 3 scholarships (Interface Physics/Computer Science and/or industrial coaching)
- **Quantum software:** up to 2 scholarships (Interface Computer Science/Physics)
- **Qubit/photon interface:** up to 1 scholarship (Interface Physics/Mathematics and/or with industrial coaching)
- **Quantum sensing:** up to 1 scholarship (Physics with industrial coaching)
- **Quantum energetics:** up to 2 scholarships (Interface Physics/Mathematics, and/or with industrial coaching)
- **Societal and philosophical aspects of quantum theory and quantum technologies:** up to 2 scholarships (Philosophy of Physics or Social sciences embarked in a Physics laboratory)

### Salary

- From 1769 euros/month (without teaching) to 2100 euros/month (with teaching) before taxes
- Research grants ranging from 5 k€ to 40 k€

### The applicants

**They have to meet the following main criteria:**

- Outstanding or excellent Master's degree or equivalent qualification
- Capacity or good previous knowledge in Quantum Computing, Quantum Technology, Philosophy or Sociology of Science, Mathematics
- Outstanding references

**Submission deadline: April 10, 2017, 11:59 am CET**

For more information visit: <http://www.grenoble-lanef.fr/spip.php?article164>

**The 2017 call of the PhD programs is enlarged with three other funding possibilities which bear particularities. You must take note of them.**

- ➔ [PhD program Fondation Nanosciences](#)
- ➔ [PhD program LANEF](#)
- ➔ [PhD program GreQue](#)