

## PhD position at the School of Informatics at University of Edinburgh

Mon, 2020-10-12 19:50 - [Raul Garcia-Patron](#) [1] **At:** School of Informatics at University of Edinburgh

**Deadline:** 31 December, 2020

### Location

School of Informatics 10 Crichton St, Newington  
Edinburgh EH8 9AB United Kingdom

See map: [Google Maps](#) [2]

We are offering a postdoc and a PhD positions at the School of Informatics at University of Edinburgh to work on near-term quantum devices under the supervision of Dr. Garcia-Patron.

The postdoc position focuses on conducting research on the effect of noise on near-term quantum computing devices. The objective of this project is to understand at which point the noise suppress the advantage of quantum computation. We tackle this challenge by designing classical emulators that run more efficiently the more noise is present during the quantum computational process. The candidate can submit its application in electronic form to [rgarcia3 \[at\] inf \[dot\] ed \[dot\] ac \[dot\] uk](mailto:rgarcia3@inf.ed.ac.uk) with the key word "Emulators of noisy near-term QC 2020" in the subject line. Review of the applications will begin end of October 2020 and will continue until the position is filled. The start date is flexible. We are open to consider working from abroad if the current pandemic situation does not change. [Visit this link for more details and salary information](#) [3].

The PhD position is related to research on near-term quantum computation, ranging from finding new applications to studying the effect of noise on the potential superiority of practical quantum computers over their traditional counterparts. The candidate should submit its application at the Laboratory for Foundations of Computer Science (LFCS) website to the "PhD Informatics: LFCS: Foundations of Computer Science, Databases, Software and Systems Modelling - 3 Years (Full-time)" program, see the link

<https://www.ed.ac.uk/studying/postgraduate/degrees/index.php?r=site/view&edition=2020&id=493>

[4] Review of the applications continue until the position is filled. The start date is flexible.

For more information you can contact Dr. Raul Garcia-Patron Sanchez at [rgarcia3 \[at\] inf \[dot\] ed \[dot\] ac \[dot\] uk](mailto:rgarcia3@inf.ed.ac.uk)

- [Postdoc](#) [5]
- [PhD](#) [6]

**Source URL:** <http://qurope.eu/db/jobs/phd-position-school-informatics-university-edinburgh>

### Links:

[1] <http://qurope.eu/users/raulgps>

[2] <http://maps.google.co.uk?q=10+Crichton+St%2C+Newington%2C+Edinburgh%2C+EH8+9AB%2>

C+uk

[3] [https://www.vacancies.ed.ac.uk/pls/corehrrecruit/erq\\_jobspec\\_version\\_4.display\\_form](https://www.vacancies.ed.ac.uk/pls/corehrrecruit/erq_jobspec_version_4.display_form)

[4] <https://www.ed.ac.uk/studying/postgraduate/degrees/index.php?r=site/view&edition=2020&id=493>

[5] <http://qurope.eu/db/jobs/type/postdoc>

[6] <http://qurope.eu/db/jobs/type/phd>