Cohort Project update

Cohort 4

Cohort Project update

Cohort 4

Quantum Engineering CDT University of Bristol

May 22, 2018

Cohort Project update

Cohort 4



Figure: Roadmap



¹Away-day presentation

Survey results

Cohort Project update

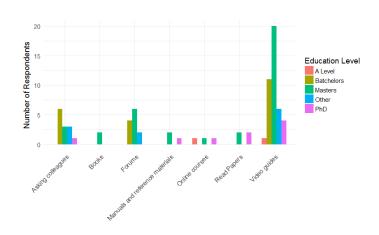


Figure: Results from onedrive ¹

Survey results

Cohort Project update

Cohort 4

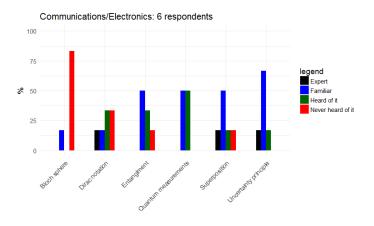


Figure: Results from onedrive ²

Sections we plan to include

Cohort Project update

Cohort 4

```
Quantum Meta-Programming for Dummies
             Cohort 4
         Quantum Engineering CDT
           University of Bristol
            May 11, 2018
1 Preface
This is where the preface will be
Contents
1 Preface
 2.1 . Why you should be interested in quantum computers \ldots,\ldots,\ldots,\ldots
 2.3 Traditional computers shortcomines & quantum supremacy 6
 3.1.1 Digital logic
 4.1 Adiabatic quantum computing & quantum annealers
 4.2 Rigetti-Forest
  4.2.1 Example Codes
 4.3 IBM- Project O
  4.3.1 Example Codes
```

```
5.3.4 The hidden subgroup problem 13
6 Programming a future universal quantum computer
6.2 Implementing Grover's algorithm 14
7.1.3 Compilers and abstraction
7.2.3 What are the operations?
7.6 The future
8.1 Quantum mechanics: The basics
8.2 Error correcting codes
```

Figure: Document at ³

Current work

Cohort Project update

Cohort 4

Quantum machine learning for data scientists

David Kopczyk Quantee Limited, Manchester, United Kingdom

The text time to present and originity question modules bearing algorithms to a data soluted in an excessible and considers were. The algorithm and explanate presents on the settlem in regions to intellectually finded to the powers is put as compains and step by sery explanation of allitude loops. The consistency is now someward of adorted question modern hearing show that the above them is also a model of course extraction for quantum PCs algorithm improved to the contraction of the double has to get the first per explanate to be obligated more place the contraction of the

25 Apr 2018

L Introduction

2

Quantum Algorithm Implementations for Beginners

Partici J. Coles, Stephen Edwissen (Sent Polita, Audrestado Adolejri, John Audresdaro, Petr. Aniciore, Williams Capper, Gophant Chempsello, George, Gophant Chempsello, Garde, Berlei Mong, Loyd Gutze, Seekh Kern, Nacha Lensen, Silbare, Lin, Andrey Lakhor, Alexander Molyachdere, Parti Maccarens, Senna Maiserwali, Bah Nodips, Dan Golder, Berlei George, Lakkons George, Lakkons George, Berlei Bourer, Nachdadelere Starle, Nikakii Stitosya, Pieter Seart, Marc Vultroy, Inn Wordelerger, Berni Voon, Etchoel Zenner, and Wei Zin Loo Adaron. Artical Laberter, Da. Adaron. Kritinal Laberter, Da. Adaron. Kritinal Laberter, Da. Adaron. Kritinal.

As quatratic conjuncts have been seasible to the greatel public, the seed has sixtue to test, and sold of contrast programmes, may of the last in the collection public comparison that the self-section of the collection of the co

Strawberry Fields:

A Software Platform for Photonic Quantum Computing

Nathan Killoran, Josh Izaac, Nicolás Quesada, Ville Bergholm, Matthew Amy, and Christian Weedbrook

Xanada, 372 Bicknord ScW, Yoronto, MSV 136, Consula

We introduce Structure Pfelds, as spowers quarter programing performed in this based quarter composes. And in Parket, decorable Pfelds is a feet after they code, exclusive, exclusion and agreementable search of entires woulded create. Be platform makes of these man exposes, (2) in 40° for quarter programing and excluded, but of process or contribution of the exclusion are consistent performance and the exclusion are consistent and an exclusion are consistent and exclusion and exclusion are consistent and exclusion and exclusion are consistent and exclusion and exclusion are consistent as a consistent as a consistent and exclusion are consistent as a consi