

Business Meeting

7th International Conference on
Quantum Cryptography
QCrypt 2017

Sept 18-22, 2017 Cambridge, UK



Agenda

- (3 min) SC chair: Summary of SC activities from Oct 2016 – Oct 2017
- (3 min) PC chair: # submissions, acceptance rate, PC members
- (3 min) Local chair: # participants, gender stats
- (3 min) Future chair: preview of QCrypt 2018
- (2 min) Call for 2019 bids
- (15 min) Open Discussion

- Around 19:00: Best Student / Most Popular Poster Awards, followed by Rump Session

QCrypt Charter

Christian Schaffner, steering committee chair

- <http://2017.qcrypt.net/qcrypt-charter/>
- **Goal of the conference:** The annual conference on quantum cryptography (QCrypt) is a conference for students and researchers working on all aspects of quantum cryptography. [...] It is the goal of the conference to represent the previous year's best results on quantum cryptography, and to support the building of a research community.
- Charter specifies format, tasks of steering committee, programme committee, advisory board, etc.

Steering Committee since QCrypt 16

(4-year terms)



- Eleni Diamanti (CNRS, Univ Pierre et Marie Curie)



- Masahide Sasaki (NICT)



- Norbert Lütkenhaus (IQC, University of Waterloo), industry session



- **Christian Schaffner (University of Amsterdam, CWI, QuSoft) (chair)**



- Yi-Kai Liu (NIST / University of Maryland)



- Anne Broadbent (University of Ottawa), exit survey



- Qiang Zhang (University of Science and Technology of China)



- Marcos Curty (University of Vigo)

Steering Committee Oct 16 - now

Christian Schaffner, SC chair

- Appointed programme committee (PC) chair: Thomas Vidick and co-chair: Paolo Villoresi
- Evaluated QCrypt 2016 exit survey
- By Dec 2016: selected tutorial and invited speakers
- Checked availability, and adjusted invitations
- Selection procedure for hosting QCrypt 2018
- SC chair had 3-weekly virtual meetings with local organizers
- Yesterday: SC meeting: discussed new PC chair, new SC members, transition to next year

News from yesterday's SC Meeting

Christian Schaffner, SC chair

- Departing SC members:

- Eleni Diamanti (CNRS, Univ Pierre et Marie Curie)
- Masahide Sasaki (NICT)



- New SC members:

- Akihisa Tomita (Hokkaido University)
- Hugo Zbinden (Geneva University)



- PC chair 2018 is being selected

- Reduction of number of accepted posters

Program Committee 2017

Thomas Vidick, PC chair

- Gorjan Alagic (University of Copenhagen)
- Erika Andersson (Heriot-Watt University)
- Rotem Arnon-Friedman (ETH Zurich)
- Charles Ci Wen Lim (National University of Singapore)
- Roger Colbeck (University of York)
- Ivo Pietro Degiovanni (INRIM Turin)
- Dirk Englund (Massachusetts Institute of Technology)
- Stacey Jeffery (CWI Amsterdam)
- Elham Kashefi (University of Edinburgh and UPMC CNRS)
- Hari Krovi (Raytheon BBN, Cambridge, Massachusetts)
- Nicola Laurenti (University of Padova)
- Anthony Leverrier (INRIA Paris)
- Marco Lucamarini (Toshiba Cambridge)
- Mohsen Razavi (University of Leeds)
- Hiroki Takesue (NTT)
- Marco Tomamichel (University of Technology Sydney)
- Dominique Unruh (University of Tartu)
- **Thomas Vidick (California Institute of Technology) (chair)**
- **Paolo Villoresi (University of Padova) (vice chair)**
- Christian Weedbrock (CipherQ)
- Feihu Xu (Massachusetts Institute of Technology)
- Hugo Zbinden (University of Geneva)

Program Committee 2017

Thomas Vidick, PC chair

- 108 submissions (2 poster only). 1.5 withdrawals, 1 rejection
- 42 experimental submissions (~40%)
- 30+2/2 accepts. 14+2/2 experiments, 16 theory
- 90 submissions to poster track, 0 rejections

- 1816 email in my QCRYPT mailbox, including 312 reviews and 516 comments.
- 1 month reviewing + 1 month online discussion (EasyChair)

- Best Student Prize: 11 accepted papers eligible, 4 papers shortlisted. 3 PC + 1 SC member interview panel.

Local Organisation of QCrypt 17

Richard Penty, chair of local organization

- Richard Penty (UCAM)
- Adrian Wonfor (UCAM)
- Victoria Barrett (UCAM)
- Georgia Mortzou (York University)
- Klitos Andrea (York University)

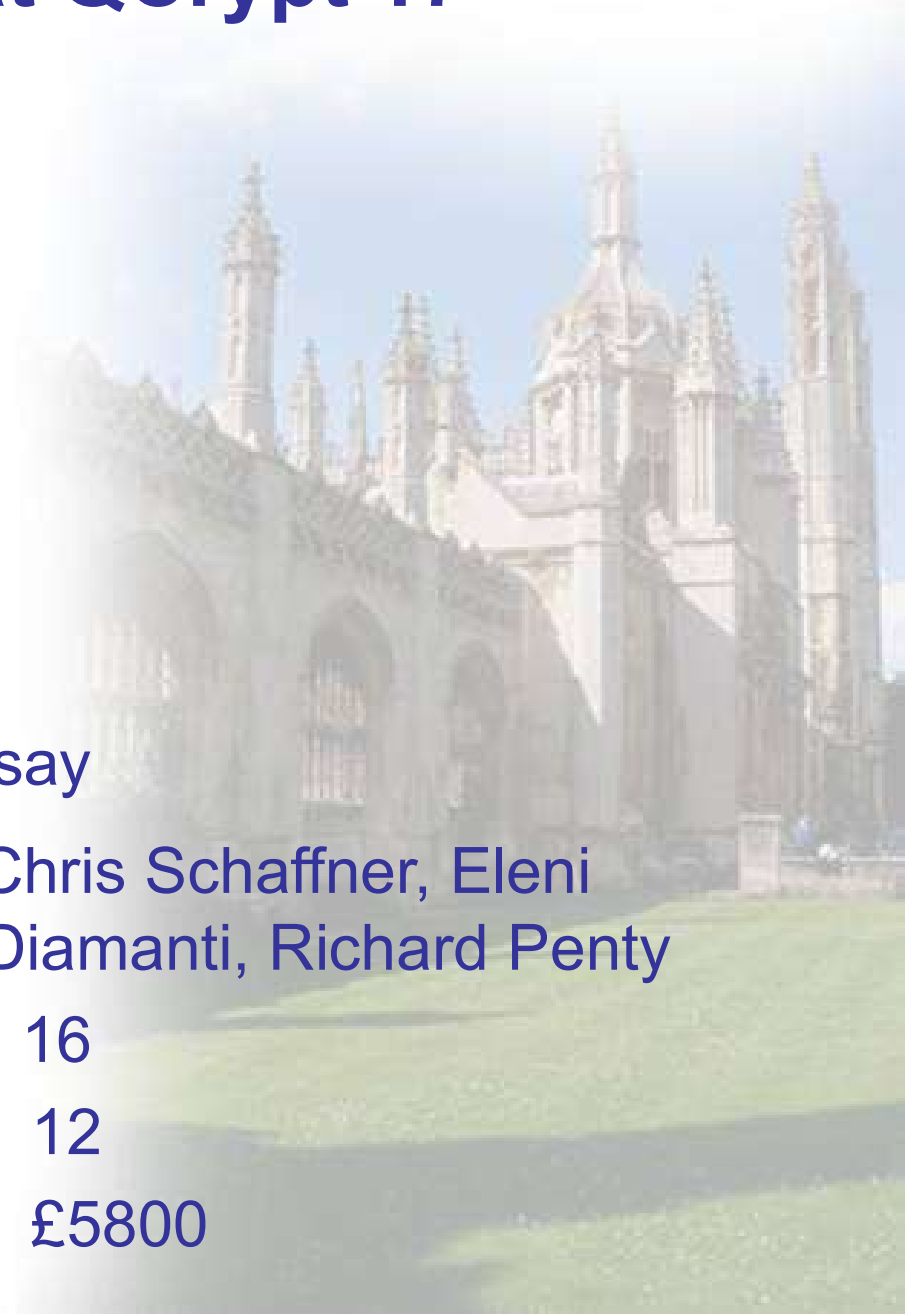
With thanks to many other people

- CUED, Physics, BT and Toshiba (Cathy, Shengjun, Xinke, Marcin, Yupeng, Mariella, Marti, Zhiliang, Rupesh, Conny, Han, Dave, Lucy and Dave)
- All at West Road Concert Hall



Participation at QCrypt 17

- Student: 112
- Regular: 198
- Sponsor/exhibitor: 24
- Total: 334
- Qcrypt 16: 230
- Gender: 295 male,
33 female,
6 rather not say
- Student travel grants committee: Chris Schaffner, Eleni Diamanti, Richard Penty
applications: 16
awards: 12
value: £5800



Events at QCrypt 2017

- Public Lecture
- Dinner at St John's College



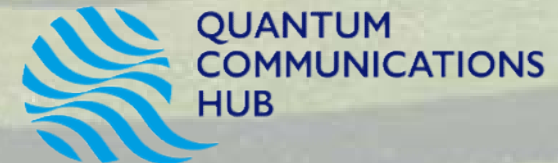
- Visits/tours:
 - Bletchley Park
 - Lab tour
 - Punting
 - Bus tour...



Budget

- Overall budget £110,000
- Spend on venue (~25%), travel/registration (~15%), catering/dinner (~30%), tours (~5%), logistics (~10%), contingency (~10%)
- Funded by: registrations (~55%), tours/dinners (~5%), sponsorship (~30%), exhibitors (~10%)
- Small projected surplus – forward student travel budget to QCrypt 18
- So many thanks to our sponsors and exhibitors

GOLD sponsors



BRONZE Sponsors



And of course

QCrypt 2018

Qiang Zhang, host of QCrypt 2018

- Time : August 27–31, 2018
- Location : Shanghai International Convention Center, Pudong Shanghai
- Hosted by the University of Science and Technology of China (USTC)
- Local Organizer :
Xiongfeng Ma
Jun Zhang
Feihu Xu
.....



QCrypt 2018

- Location : CBD area of Shanghai (Lujiazui) , nearby the Bund
- Various Delicious Cuisines ! ! !
- Luxous Hotels or Motels in walking distance
- Sightseeing : Historical buildings, Skyscrapers nearby the Bund
- Visa: Most foreign visitors need visa to enter China. Apply for it two months ahead.



QCrypt 2018



QCrypt 2018

- A large ball room and 30 other rooms within the same building.
- The auditorium offers space for 750 attendees. We have confirmed that all these rooms are available from August 27 to 31, 2018.
- Registration fee similar to QCrypt2017
- Support from: USTC, Chinese Academy of Science, the Ministry of Science and Technology, the NSFC, and the local government.
- Plus industrial support. Estimated: 1M Chinese Yuan.



QCrypt 2018

- A large ball room and 30 other rooms within the same building.
- The auditorium offers space for 750 attendees. We have confirmed that all these rooms are available from August 27 to 31, 2018.
- Registration fee similar to QCrypt2017
- Support from: USTC, Chinese Academy of Science, the Ministry of Science and Technology, the NSFC, and the local government.
- Plus industrial support. Estimated: 1M Chinese Yuan.



QCrypt 2018

- Shanghai Control Center of the Chinese QKD network and quantum satellite
- Lab tour: free space/fiber quantum communication, ultracold-atom, quantum dot, superconducting quantum computation and etc.
- More activities...



QCrypt 2018

- Shanghai Control Center of the Chinese QKD network and quantum satellite
- Lab tour: free space/fiber quantum communication, ultracold-atom, quantum dot, superconducting quantum computation and etc.
- More activities...



Call for Proposals to host QCrypt 2019

Christian Schaffner, SC chair

This will be handled by a 2-step process, also described on <http://2017.qcrypt.net/qcrypt-2019/> :

1. If you are interested, please send a letter of intent to <steer@qcrypt.net> by October 20, 2017, with the following information:
 - Name and affiliation of main organizer
 - Possibilities of conference dates (preferably in late August 2019)
 - Location and size of intended conference venue (according to the current rotation of continents, proposals from North and South America are preferred)
2. The steering committee will ask the top contenders to work out a full proposal.

Open Discussion

- SC chair: Christian Schaffner
- PC chair: Thomas Vidick
- Local chair: Richard Penty
- Future chair: Qiang Zhang

- We value your opinion: find the QCrypt 17 exit survey at:
<https://is.gd/QCrypt17>
- Questions or issues about QCrypt you like to discuss?

