

# QPL2016 : Report for SICSA

The Quantum Physics and Logic conference 2016 was held at the University of Strathclyde in Glasgow on June 6-10, 2016.

## Programme

There were invited *tutorial* talks:

- Kohei Kishida (Oxford): “Nonlocality, contextuality, and sheaves”
- Aleks Kissinger (Nijmegen): “Process theories and graphical languages”
- Conor McBride (Strathclyde): “Logic and functional programming”
- Daniel Oi (Strathclyde): “Quantum foundations and Bell experiments”
- Ognjan Oreshkov (Brussels): “Causality and indefinite causal structures in quantum theory”
- Peter Selinger (Dalhousie): “Introduction to Quipper”

As well as invited *keynote* lectures:

- Elham Kashefi (Edinburgh): “”
- Tom Leinster (Edinburgh): “In search of the spectrum”
- Martin Roetteler (Microsoft Research): “Reversible circuit compilation with space constraints”
- Stephanie Wehner (Delft): “From Bell inequality violations towards device independence of general quantum cryptographic protocols”

The programme was filled out by *contributed* talks: 19 presentations of 30 minutes, and 13 presentations of 15 minutes. Finally, there was a session where 9 contributed *posters* were presented.

## Video recording

All talks were recorded on video, and will shortly be put online at the conference website, along with slides used in the presentations: <http://qpl2016.cis.strath.ac.uk/>

## Proceedings

The contributed presentations were selected from 52 submissions, giving an acceptance rate of 32% (long presentations) and 25% (short presentations). All selected contributed presentations will be offered publication in the proceedings in Electronic Notes in Theoretical Computer Science.

## Attendance

There were 120 registered participants, and increase of 2 over last year and a new record. Of these 60 were graduate students. A list of participants is available from the QPL2016 website at <http://qpl2016.cis.strath.ac.uk/people.html>

	People	Of which students
Scotland	42	23
rUK	36	19
EU (not UK)	25	12
Rest of world	17	6

## Budget

The total budget of QPL was GBP 13866.55; of this GBP 4600 was raised in registration fees and the rest provided by sponsors.

## Sponsors

The conference received sponsorship from the following sources:

- London Mathematical Society
- Scottish Informatics and Computer Science Alliance
- Institute for Quantum Computing
- Strathclyde University
- Glasgow City Council.

Microsoft indirectly supported the event by paying for Martin Roetteler to come.

## Support to students

The organisers waived all registration fees for students, to a total value of GBP 2400. In addition we provided bursaries of total value GBP 2000 to students who applied for financial support. The final accounts have not yet been closed; we intend to provide post-hoc bursaries to students who did not receive financial support with any surplus.

## Feedback from attendees.

“It was very nice to attend the QPL2016 conference. Thank you for your friendly organization and warm hospitality.”

Prof. Masanao Ozawa, University of Nagoya, Japan.

“Thanks again for excellent conference organization and paper selection. It was a superbly run conference”

Prof. Prakash Panangaden, McGill University, Canada.

“Congratulations again for such a well prepared and run organisation. – Heard lots of positive feedback. – Great to learn from you, so thorough, with attention to detail!”

Mrs Destiny Chen, University of Oxford, UK.

“QPL looked grown up and full of life. i think that it was definitely worth the effort.”

Prof. Dusko Pavlovic, University of Hawaii, USA.