

# Alex Kavvos

Department of Computer Science  
University of Oxford  
Wolfson Building  
Parks Road  
Oxford OX1 3QD  
United Kingdom

g.a.kavvos@gmail.com  
<https://www.lambdabetaeta.eu>

## Education

- Oct 2013–Oct 2017      **St John’s College, University of Oxford**  
**DPhil in Computer Science**  
Supervisor: Prof Samson Abramsky  
Thesis title: On the Semantics of Intensionality and Intensional Recursion
- Oct 2009–Jun 2013      **University College, University of Oxford**  
**MCompSci Computer Science**  
First class. Awarded the *Hoare Prize* (twice) for best overall performance.
- Sep 1997–Jun 2009      Hellenic American Educational Foundation  
Athens College & Psychico College  
International Baccalaureate Diploma; achieved 45/45 points.

## Appointments

- Oct 2014–Jun 2017      **University College, Oxford**  
**Non-Stipendiary College Lecturer & Admissions Interviewer**
- Oct 2013–Jun 2017      **Department of Computer Science, University of Oxford**  
**Graduate Tutor**

## Writings and Presentations

### Conference papers

1. G. A. Kavvos. “On the Semantics of Intensionality”. In: *Proceedings of the 20th International Conference on Foundations of Software Science and Computation Structures (FoSSaCS)*. ed. by Javier Esparza and Andrzej S. Murawski. Vol. 10203. Lecture Notes in Computer Science. Springer-Verlag Berlin Heidelberg, 2017, pp. 550–566. arXiv: 1602.01365. doi: 10.1007/978-3-662-54458-7\_32.
2. G. A. Kavvos. “Dual-context calculi for modal logic”. In: *2017 32nd Annual ACM/IEEE Symposium on Logic in Computer Science (LICS)*. IEEE, 2017. ISBN: 978-1-5090-3018-7. arXiv: 1602.04860. doi: 10.1109/LICS.2017.8005089.
3. G. A. Kavvos. “Intensionality, Intensional Recursion, and the Gödel-Löb axiom”. In: *Proceedings of 7th Workshop on Intuitionistic Modal Logic and Applications (IMLA 2017)*. 2017. arXiv: 1703.01288

## Pre-prints

1. G. A. Kavvos. “Kleene’s Two Kinds of Recursion”. In: *CoRR* (2016). URL: <http://arxiv.org/abs/1602.06220>. arXiv: 1602.06220.
2. G. A. Kavvos. “The Many Worlds of Modal  $\lambda$ -calculi: I. Curry-Howard for Necessity, Possibility and Time”. In: *CoRR* (2016). URL: <http://arxiv.org/abs/1605.08106>. arXiv: 1605.08106.

## Talks and Seminars

- “A Type-Theoretic Alternative to LISP”. Talk at the 11th Panhellenic Logic Symposium (Delphi, Greece).
- “A Type-Theoretic Alternative to LISP”. Talk at TYPES 2017 (Budapest, Hungary).
- “On the Semantics of Intensional Recursion”. Seminar at the University of Sussex (15 February 2017).

## Other Professional Activities

- Co-organiser of the Strachey 100 centenary conference, celebrating the life and research of programming languages pioneer Christopher Strachey. (<https://www.cs.ox.ac.uk/strachey100>)
- Reviewer for LICS 2016, PEPM 2017, POPL 2017.
- Participation at events: ESSLLI 2017 (Toulouse); TYPES 2017 (Budapest); ETAPS 2017 (Uppsala); International Summer School on Metaprogramming (Robinson College, Cambridge, 2016); Homotopy Type Theory Workshop (Oxford, 2014); Prakashfest (Oxford, 2014); Midlands Graduate School (Nottingham, 2014); Samson@60 (Oxford, 2013).

## Teaching

### Department of Computer Science, University of Oxford (2013–2017).

- I taught and marked work for departmental classes.
- TA for *Computer Security* (3rd year/MSc course, 2013).
- Class Tutor and TA for *Advanced Security* (4th year/MSc course, 2014 & 2015).

### University College, Oxford (2013–2017)

- Tutored students reading for degrees in Computer Science (and joint schools), first on a casual basis and then as a non-stipendiary College Lecturer.
- Interviewed students for admission to the undergraduate degree.
- Some involvement in pastoral support.
- Subjects tutored: Functional Programming; Linear Algebra; Discrete Mathematics; Imperative Programming; Object-oriented Programming; Design and Analysis of Algorithms; Logic and Proof; Models of Computation; Lambda Calculus and Types; Categories, Proofs and Processes.

### Worcester College, Oxford (2016–2017)

- Tutored a visiting student in Principles of Programming Languages, and Lambda Calculus and Types.

## References

[DPhil supervisor]  
Prof Samson Abramsky  
Christopher Strachey Professor of Computing  
Department of Computer Science  
University of Oxford  
Wolfson Building  
Parks Road  
Oxford OX1 3QD  
United Kingdom  
Tel.: +44 1865 283557  
Email: samson.abramsky@cs.ox.ac.uk

[internal examiner]  
Prof C. H. Luke Ong  
Professor of Computer Science  
Department of Computer Science  
University of Oxford  
Wolfson Building  
Parks Road  
Oxford OX1 3QD  
United Kingdom  
Tel.: +44 1865 283522  
E-mail: luke.ong@cs.ox.ac.uk

Prof Neil D. Jones  
Professor of Computer Science (Emeritus)  
Bukkeballevvej 88  
DK-2960 Rungsted Kyst  
Denmark  
Tel.: +45 4586 8236  
E-mail: neil@diku.dk

[teaching reference at University College]  
Prof Andrew D. Ker  
Associate Professor  
Department of Computer Science  
University of Oxford  
Wolfson Building  
Parks Road  
Oxford OX1 3QD  
United Kingdom  
Tel.: +44 1865 283530  
E-mail: andrew.ker@cs.ox.ac.uk