

Alex Kavvos

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

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

EDUCATION

- 2013-2017 St John's College and Department of Computer Science, University of Oxford
DPhil in Computer Science
- Supervisor: Prof Samson Abramsky
 - Title: On Modal Logic and the Semantics of Intensionality
- 2009-2013 University College, University of Oxford
MCompSci Computer Science
- First class. Awarded the *Hoare Prize* twice, for achieving the top first ("best overall performance") once for 2nd/3rd and once for 4th year exams. Awarded a *Scholarship* by University College (2011-2013).
 - 3rd year project: Implementing 0-CFA for Higher-Order Functional Programming Languages. Supervisor: Prof Luke Ong.
 - 4th year project: Theories of Computer Viruses. Supervisor: Prof Samson Abramsky.
- 1997-2009 Hellenic American Educational Foundation
Athens College & Psychico College
International Baccalaureate Diploma; achieved 45/45 points.

APPOINTMENTS

- 2014-2017 University College, Oxford
Non-Stipendiary College Lecturer
- 2014-2016 University College, Oxford
Admissions Interviewer
- 2013-2017 Department of Computer Science, University of Oxford
Graduate Tutor

WRITINGS AND PRESENTATIONS

CONFERENCE PAPERS (PEER-REVIEWED)

1. Kavvos, G. A. (2017). On the Semantics of Intensionality. Accepted for presentation at the 20th International Conference on Foundations of Software Science and Computation Structures (FoSSaCS 2017) (acceptance rate: 31.6%). Available as arXiv:1602.01365.
2. Kavvos, G. A. (2017). Dual-context Calculi for Modal Logic. Accepted for presentation at the 32nd Annual ACM/IEEE Symposium on Logic in Computer Science (LICS 2017). Available as arXiv:1602.04860.
3. Kavvos, G. A. (2017). Intensionality, Intensional Recursion, and the Gödel-Löb axiom. Accepted for presentation at the 7th workshop on Intuitionistic Modal Logic and Applications (IMLA 2017). Available as arXiv:1703.01288.

PRE-PRINTS

1. Kavvos, G. A. (2016). Kleene's Two Kinds of Recursion. Available as arXiv:1602.06220. *Submitted.*
2. Kavvos, G. A. (2016). The Many Worlds of Modal λ -calculi: I. Curry-Howard for Necessity, Possibility and Time. Available as arXiv:1605.08106.

TALKS

- Kavvos, G. A. (2017). A Type-Theoretic Alternative to LISP. Talk at the 11th Panhellenic Logic Symposium (Delphi, Greece).
- Kavvos, G. A. (2017). A Type-Theoretic Alternative to LISP. Talk at TYPES 2017 (Budapest, Hungary).

SEMINARS

- Kavvos, G. A. (2017). 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 Christopher Strachey. (<http://www.cs.ox.ac.uk/strachey100>)
- Reviewer for PEPM 2017.
- Participation at events: TYPES 2017; ETAPS 2017; International Summer School on Metaprogramming (Robinson College, Cambridge, 2014); Homotopy Type Theory Workshop (Oxford, 2014); Prakashfest (2014); Midlands Graduate School (2014); Samson@60 (2013).

TEACHING

Department of Computer Science, University of Oxford (2013–2015).

- I taught and marked work for departmental classes.
- TA for *Computer Security* (3rd year 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.
- Tutored 10 subjects: 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

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

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
Email: luke.ong@cs.ox.ac.uk

Dr John Longley
Lecturer in Computer Science
LFCS
School of Informatics
University of Edinburgh
Informatics Forum
10 Crichton Street
Edinburgh EH8 9AB
United Kingdom
Email: jr1@inf.ed.ac.uk

[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
Email: andrew.ker@cs.ox.ac.uk