

Curriculum Vitae

Higher Education

- BA in Philosophy, University of Cambridge 1975 (MA 1979).
- Diploma in Computer Science, University of Cambridge 1976.
- Ph.D. in Computer Science, University of London 1988.
- MA, University of Oxford, 2001.

Membership of Scientific Bodies

- Fellow of the Royal Society since 2004.
- Fellow of the Royal Society of Edinburgh since 2000.
- Member of Academia Europaea since 1993.

Appointments

- Since October 2000: Christopher Strachey Professor of Computing and Fellow of Wolfson College, Oxford University. Head of Theory and Automated Verification Research Group.
- 1995–2000: Professor of Theoretical Computer Science, University of Edinburgh.
- 1990–1995: Professor of Computing Science and Head of Theory and Formal Methods Section, Department of Computing, Imperial College of Science, Technology and Medicine, London University.
- 1988–90: Reader in Computing Science, Department of Computing, Imperial College of Science, Technology and Medicine, London University.
- 1983–88: Lecturer, Department of Computing, Imperial College of Science and Technology, London University.
- 1980–83: Lecturer, Department of Computer Science and Statistics, Queen Mary College, London University.
- 1978–80: Research Student, Department of Computer Science and Statistics, Queen Mary College, London University.
- 1976–78: Programmer, G.E.C. Computers Limited, working on Operating Systems development.

Part-time and visiting appointments

- Visiting Professor, University of Paris VII and CNRS Laboratory PPS, October–December 2001.
- Visiting Researcher, Kestrel Institute, Palo Alto U.S.A., January 2000.
- Visiting Researcher, Kestrel Institute, Palo Alto U.S.A., September 1998.
- Visiting Professor, Department of Mathematics, University of Pennsylvania, Philadelphia U.S.A., April–May 1998.
- Nuffield Science Research Fellow, 1988–89.
- Visiting Associate Professor, Department of Computer and Information Science, University of Pennsylvania, Philadelphia U.S.A., January–June 1989.
- Visiting Professor, Computer Science Department, University of Nijmegen, the Netherlands, March–April and August, 1986.
- Consultant to G.E.C. Hirst Research Centre (1985–1988).
- Visiting Lecturer, Programming Methodology Group, Chalmers University, Göteborg Sweden, March 1984.

Ph.D. Student Supervision

- C.-H. L. Ong, 1985–88. Ph.D. awarded 1988: *The lazy λ -calculus: an investigation into the foundations of functional programming*. Elected to Trinity College Fellowship 1988. Currently Professor of Computing Science and Fellow of Merton College, Oxford University.
- D. Fuller, 1985–89. Ph.D. awarded March 1989: *Partial evaluation and Logic Programming*. Currently Associate Professor, P.U.C. Santiago, Chile.
- B. Thomsen, 1987–90. Ph.D. awarded February 1990: *Calculi for Higher-Order Communicating Systems*. Currently Associate Professor, Aalborg University.
- I. Mackie, 1991–94. Ph.D. awarded 1994: *The geometry of implementation: applications of the Geometry of Interaction to language implementation*. Currently Senior Lecturer, Department of Computer Science, King’s College London.
- S. Gay, 1991–94. Ph.D. awarded 1995: *Linear Types for Communicating Processes*. Currently Lecturer, Computer Science Department, Glasgow University.
- Guy McCusker, 1993–96. Ph.D. awarded 1997: *Games and Full Abstraction for a functional metalanguage with recursive types*. Won Kleene award for best student paper at LiCS ‘96. Elected to a Junior Research Fellowship at St. John’s College Oxford. Selected for BCS/CHPC Distinguished Dissertation awards 1997. Currently Reader, University of Sussex.
- Rajagopal Nagarajan, 1994–97. Ph.D. awarded 1998: *Typed Concurrent Programs: Specification and Verification*. Currently Lecturer, University of Warwick.
- James Laird, 1995–98. Ph.D. awarded 1999: *Semantic Analysis of Control*. Currently Research Fellow, University of Sussex.
- Jose Espirito Santo, 1996–2000, Ph.D. awarded 2001: *A Curry-Howard Isomorphism for Classical Sequent Calculus*. Currently Assistant Professor, University of Minho.
- Juliusz Chroboczek, 1996–2000, Ph.D. awarded 2003: *Game Semantics for Subtyping*. Currently Researcher, CNRS Lab PPS, Paris.
- Jan Jürjens, 1998–2002, Ph.D. awarded 2004: *Principles for Secure Systems Design*. Currently Researcher, Technical University Munich.

Research Grants Samson Abramsky has held numerous grants from the Science and Engineering Research Council and now the Engineering and Physical Sciences Research Council, four grants from the Dti/SERC Alvey programme, and six grants from the EU ESPRIT and Framework programmes. He was Principal Investigator on the SERC Rolling Grant “Foundational Structures in Computing Science”, which was initially awarded in 1988, and reviewed and rolled forward in 1990, 1992 and 1995. He was project leader of the ESPRIT Basic Research Actions CLICS and CLICS II (Categorical Logic in Computer Science) over the period 1988–93, and a Principal Investigator on the ESPRIT Basic Research Action CONFER (Concurrency and Functions: Evaluation and Reduction) and the Framework IV Working Groups CONFER II and APPSEM. He has held EPSRC Visiting Fellowships for Professor John Reynolds (twice), Professor Peter Buneman, Professor Boris Trakhtenbrot, Professor Radha Jagadeesan, Dr. Dusko Pavlovic, Professor Prakash Panangaden and Professor Philip Scott. He was Principal Investigator on the EPSRC-funded project “Typed Concurrent Object-Oriented Programming: Foundations, Methods and Tools”; the European Framework IV TMR Network on Linear Logic, the EPSRC-funded project “Algorithmic Game Semantics: Foundations and Applications”, and the EPSRC-funded MathFIT project “Geometry of Interaction and Foundations of Reversible and Quantum Computation”. He is currently Principal Investigator on the EPSRC grant “High-level Methods for Quantum Computation and Information”, and the EU Working Group APPSEM II.

Activities in the U. K. Science and Engineering Research Council

- Member, Computing Science Subcommittee, 1984–88.
- Member, Education and Training Working Group, Information Technology Directorate, 1986–88.
- Co-proposer, Special Initiative in Logic for Information Technology.
- Chairman, Management Panel for the Special Initiative in Logic for Information Technology, 1988–1992.

Activities in the U.K. Engineering and Physical Sciences Research Council Member of the College of Referees for Information and Communication Technology.

Membership of Editorial Boards *Cambridge Series of Tracts in Theoretical Computer Science*, published by Cambridge University Press; *North Holland Studies in Logic and the Foundations of Mathematics*; *Journal of Logic and Computation*; *Journal of Mathematical Structures in Computer Science*.

Membership of Conference Programme Committees PARLE (European Conference on Parallel Languages and Architectures); ICALP (International Colloquium on Automata, Languages and Programming); CTCS (Conference on Category Theory and Computer Science); ESOP (European Symposium on Programming); CAAP (Conference on Trees in Algebra and Programming); POPL (ACM Symposium on Principles of Programming Languages); London Mathematical Society Symposium on Applications of Categories to Computer Science; MFCS (Mathematical Foundations of Computer Science); TLCA (Typed lambda Calculi and Applications); CSL (Computer Science Logic); LiCS (International Symposium on Logic in Computer Science), PPDP (Principles and Practice of Declarative Programming).

Program Chair CAAP 1991, LiCS 1994, and TLCA 2001.

General Chair LiCS General Chair 2000–2003.

Isaac Newton Institute for the Mathematical Sciences

- Principal Organiser, programme on Semantics of Computation, July–December 1995.
- Member of EPSRC panel to review the Isaac Newton Institute, 1997.
- Member of Scientific Steering Committee, 2003–2006.

Examiner PhD examiner for the Universities of Cambridge, Oxford, Edinburgh, Imperial, Warwick, Paris, Marseille, and Pisa; DSc examiner for Aarhus and Cambridge; Habilitation examiner for Darmstadt and Paris. External member of panels to appoint Chairs in Computer Science at Chalmers University Göteborg (twice), University of Leicester, and University College Dublin; external member of panels to appoint lecturers at Aarhus University and Oxford University.

Invited Speaker Invited speaker at over 100 international symposia and workshops, including Logic in Computer Science (LiCS), the International Colloquium on Automata, Languages and Programming (ICALP), Principles of Programming Languages (POPL), the International Logic Programming Symposium (ILPS), Mathematical Foundations of Programming Semantics (MFPS), Theoretical Aspects of Computer Software (TACS), Foundations of Computation Theory (FCT), Mathematical Structures in Computer Science (MSCS), Conference on Trees in Algebra and Programming (CAAP), Concurrency Theory (CONCUR), Foundations of Software Technology and Theoretical Computer Science (FSTTCS), the joint Object-Oriented Programming conference (ECOOP/OOPSLA), the International Workshop on Logic, Language, Information and Computation (WoLLIC), the International Workshops on Linear Logic, the International Category Theory Meeting, the Logic Colloquium, and the International Symposium on Topology. Gave an IBM Distinguished Lecture on Semantics at Yorktown Heights, the opening lecture of the 1992/93 Dutch Year of Logic in Utrecht, and invited lectures at the Logic from Computer Science meeting at the Mathematical Sciences Research Institute in Berkeley, and the London Mathematical Society Durham Symposium on Categories in Computer Science. Gave courses of lectures at international summer schools in the U.S.A., Canada, Belgium, Italy, and the Czech Republic, at Marktoberdorf four times, and at the CLiCS Summer School at the Isaac Newton Institute. Gave the inaugural BCS/IEE Turing Lecture in London in January 1999, the Strachey lecture in Oxford in 1999, and a lecture at the inaugural workshop for the new CNRS laboratory in Theoretical Computer Science in Paris, in October 1999. One of the principal invited speakers at the Fields Institute Program on Logic and Foundations of Computer Science in Ottawa, June 2003, at the DIMACS Workshop on Applications of Lattices and Ordered Sets in July 2003. Invited speaker at the International Symposium on Domain Theory, Xi'an, LiCS 2004 in Turku, MFCSIT in Dublin, FMCO in Leiden, FoTFS V in Bonn, all in 2004. Invited speaker at MFPS XXI in Birmingham, Computability in Europe in Amsterdam, Static Analysis Symposium in London, Perimeter Institute Workshop on Quantum Information, Computational and Logic, Waterloo, Max Planck Institute Workshop on Quantum Gravity, Blaubeuren, Twenty-five Years of Algebraic Process Calculi, Bertinoro, CALCO Conference in Swansea, Seventh Augustus de Morgan Workshop, King's College London, Workshop on Mathematics of Quantum

Computing and Technology, College Park Texas, Mathematics of Quantum Information and Computation, Paris, all in 2005.