

Vladimiro Sassone

Curriculum Vitae

Last Update: *January 2012*

Personal Details

Born in 1964, in Rome, Italy. Resident in Hampshire, England, UK. British citizenship. Two children, a daughter born in 1996 and a son born in 1999.

Research Interests

My current research activity concerns the *foundations of mobile, distributed systems*, and aims at underpinning the development of robust, high-level paradigms for ubiquitous computing and web transactions. My interests include *semantics, type theory, logics, formal methods* and, in general, the *foundations* of computer science, with main focus on *languages* and *models* for concurrency. One of my favourite early themes therein has been the study of abstract models for concurrency, their categorical formalisation, properties, and mutual relationships. My present research activity spans over *trust, anonymity, security, access control, typing, coordination* and *behavioural theories* for (mobile) processes.

In parallel, I cultivate solid interests in programming languages and software systems, technologies and applications. Among these, *functional, object, and service oriented programming*, as well as *network technologies*.

Education

Università di Pisa, Pisa, Italy,

Laurea (MSc) in Computer Science, July 1990

I followed an MSc course in Computer Science and graduated '*cum laude*' writing a thesis entitled '*Dynamic Bisimulation*'.

Università di Pisa, Pisa, Italy,

PhD Computer Science, January 1994

I completed a PhD course under the supervision of Ugo Montanari. My graduation thesis is entitled '*On the Semantics of Petri Nets: Processes, Unfoldings and Infinite Computations*'.

Employment History

Hewlett-Packard Laboratories, Pisa Science Center, Pisa, Italy,

Researcher, July 1990–December 1992

I was granted a scholarship by Hewlett-Packard to work on the project '*Modelling Distributed Concurrency*' – a joint project between Università di Pisa and Hewlett-Packard Laboratories.

Hewlett-Packard Laboratories, Bristol, United Kingdom,

Visiting Researcher, July 1990–October 1990

SRI International, Menlo Park, California,

Visiting Researcher, November 1991–December 1991

University of Aarhus, Aarhus, Denmark,

Visiting PhD student, March 1992–August 1992

Human Capital and Mobility, European Union,

Researcher, June 1994–January 1996

I was granted the European Union '*Human Capital and Mobility*' grant ERBCHBGCT920005 for employment at the Computer Science Department of the University of Aarhus.

BRICS – Computer Science Department, University of Aarhus, Aarhus, Denmark,

Associate Researcher, June 1994–January 1996

During my stay in Aarhus I was associate researcher at **BRICS**, **B**asic **R**esearch in Computer Science, Centre of the Danish National Research Foundation.

Università di Pisa, Pisa, Italy,

Assistant Professor, May 1995– —

In November 1994 I ranked first in a competition for a permanent position at Dipartimento di Informatica – Università di Pisa. My official employment started in May 1995.

BRICS – Computer Science Department, University of Aarhus, Aarhus, Denmark,

Visiting Summer Professor, 1996–2000

I was part of a programme designed to gather summer faculty members at **BRICS**.

Istituto Elaborazione Informazione, CNR, Pisa, Italy,

Associate Researcher, 1997

In 1997 I was appointed 'external research collaborator' of the Computer Science Institute (**IEI**) of the Consiglio Nazionale delle Ricerche (**National Research Council**).

Queen Mary, University of London, London, United Kingdom,

Lecturer, July 1997– —

In July 1997 I was appointed as a lecturer at **QMW** College, University of London.

BRICS Int. PhD School – Computer Science Dept., University of Aarhus, Aarhus, Denmark,

Visiting Lecturer, August 1998–January 1999

I spent six months as a lecturer at the **BRICS** International PhD School.

Università di Catania, Catania, Italy,

Associate Professor, November 1998– —

On November 1st, 1998 I was granted a (permanent) associate professorship at Dipartimento di Matematica e Informatica – Faculty of Sciences, Università di Catania, after qualifying in a national competition for such position.

Scuola Superiore di Catania, Istituto Superiore per la Formazione di Eccellenza, Catania, Italy,

Board of Directors & Lecturer, October 1999– —

On October 1999 I became a member of the Board of the Istituto Superiore di Catania per la Formazione di Eccellenza, Scuola Superiore di Catania (High Institute for Education of Excellence), where I have been responsible for the internal studies of Computer Science.

Information Technology University of Copenhagen, Copenhagen, Denmark,

Visiting Professor, November 2000–January 2001

I spent three months as a visiting professor at the **IT** University of Copenhagen.

University of Sussex, Brighton, United Kingdom,

Reader in Computer Science, February 2001– —

In February 2001, I was appointed Reader in Foundations of Computer Science at the University of Sussex, Brighton, where I am part of the Department of Informatics.

École Normale Supérieure, Paris, Paris, France,

Invited Professor, September 2002

I spent one month as an invited professor at **ENS**, Paris.

University of Sussex, Brighton, United Kingdom,

Professor of Informatics, July 2004– —

I was appointed to a Chair in Informatics on July 1st, 2004.

University of Sussex, Brighton, United Kingdom,

Head of Informatics, March 2005– —

I was Head of the Department of Informatics.

University of Southampton, Southampton, United Kingdom,

Professor of Computer Science, January 2006– —

I was appointed to a Chair in Computer Science from January 1st, 2006.

University of Southampton, Southampton, United Kingdom,

Head of Graduate School, October 2006–September 2009

I Head of the Graduate School in Electronics and Computer Science for three years.

Université Paris VII Denis Diderot, Paris, France,

Invited Professor, November 2006

I spent one month as an invited professor at **Paris VII**.

École Polytechnique, Paris, France,

Invited Professor, June 2008–September 2008

I spent three months as an invited professor at the École Polytechnique.

Funded Research Projects

Esprit Basic Research Actions,

Researcher, January 1991– —

I have taken part or I am taking part in the EU ESPRIT Basic Research Actions CEDISYS and ACCLAIM, and in the EU SCIENCE programme, project MASK, and in WG APPSEM.

Consiglio Nazionale delle Ricerche, Italy,

Researcher & Co-promoter, 1997–1999

I was co-promoter of and took part in **MAC: Modelli Astratti di Computazione** (Abstract Models of Computation), a coordinated project involving the Universities of Bologna, Genova, Pisa, Torino and Udine, approved and financed by Comitato Nazionale per la Matematica, **CNR** (Mathematics Committee, National Research Council), Italy.

Progetti di Ricerca Nazionali 1999 – MURST, Italy,

Coordinator of Research Unit, December 1998–December 2001

I have co-proposed and participated in the project ‘*Theory of Concurrency, Higher Order, and Types*’ for the programme ‘Progetti Nazionali MURST (Ministry of University and Scientific and Technological Research) 1999’ as the coordinator of a research unit of the Catania site.

Progetti di Ricerca di Ateneo 1999 – Università di Catania, Italy,

Coordinator of Research Unit, February 2000

I proposed and took part in the project *Languages and Types for Processes and Mobile Objects and Security*, funded by Università di Catania in the context of the University Research Project (Progetti di Ricerca di Ateneo) 1999.

Other Funded Research Activity – Università di Catania, Italy,

Promoter of Research Activity, February 2000

I proposed and took part in further research activities that have been awarded funding by Università di Catania.

Global Computing FET Initiative – University of Sussex, United Kingdom,

Project Coordinator, January 2002–December 2004

I have proposed and coordinated the three-year European project *MyThS: Models and Types for Security in Mobile Distributed Systems*, funded by the European Union in the context of the Framework 5th’s Future Emerging Technologies, Global Computing Initiative, 2001. At the final review the project’s management and outcomes have been classified as ‘internationally outstanding.’

Marie Curie Training Site – University of Sussex, United Kingdom,

Director of Research Training Centre, January 2002–December 2005

I have proposed and currently lead the Marie Curie Training Site for *DisCo: Semantic Foundations of Distributed Computation*, funded by the European Union in the context of the Framework 5th’s theme Improving Human Research Potential.

Visiting Fellowships – University of Sussex, United Kingdom,

Principal Investigator, April 2003–May 2003

I have been the principal investigator of project COMMA: *Control Mechanisms for Mobile Ambients*, for two visiting Fellowships at the University of Sussex, funded by the British Engineering and Physical Sciences Research Council, EPSRC. At the final review the project's management and outcomes have been classified as 'internationally outstanding.'

Programmable Networks Initiative – University of Sussex, United Kingdom,
Principal Investigator, October 2003–September 2006

I am the principal investigator of *Third-Party Resource Usage for Pervasive Computing*, a three-year project funded by the British Engineering and Physical Sciences Research Council, EPSRC, in the context of the 'Programmable Networks' initiative.

WINES II Initiative – University of Southampton, United Kingdom,
Investigator, October 2006–April 2010

I am the site leader of *Pervasive Computing Support for Market Trading*, a project funded by the British Engineering and Physical Sciences Research Council, EPSRC, in the context of the 'Wines II' initiative.

Professional Activity

Programme Committees Chairmanship

- ▶ International Workshop on *Concurrency and Coordination*, CONCOORD, Lipari, Italy, July 2001; (PROGRAMME CO-CHAIR);
- ▶ International Workshop on *Foundations of Wide Area Network Computing*, F-WAN, Málaga, Spain, July 2002; (PROGRAMME CHAIR);
- ▶ International Workshop on *Foundations of Global Computing*, FGC, Eindhoven, The Netherlands, June 2003; (PROGRAMME CHAIR);
- ▶ Workshops chair for 15th International Conference on *Concurrency Theory*, CONCUR 2004, London, UK, August 2004;
- ▶ International Conference on *Foundations of Software Science and Computation Structures*, FoSSaCS 2005, Edinburgh, UK, April 2005; (PROGRAMME CHAIR);
- ▶ 33rd International Colloquium on *Automata, Languages and Programming*, ICALP 2006, Venice, Italy, July 2006; (PROGRAMME CHAIR);
- ▶ *Visions of Computer Science* BCS International Academic Conference BCS 2008, London, UK, September 2008; (PROGRAMME CO-CHAIR);
- ▶ 6th IFIP International Conference on *Theoretical Computer Science* TCS 2010, Brisbane, Australia, September 2010; (PROGRAMME CO-CHAIR);
- ▶ 6th *Symposium on Trustworthy Global Computing*, TGC 2011, Aachen, Germany, September 2011; (PROGRAMME CO-CHAIR);
- ▶ 37th International *Symposium on Mathematical Foundations of Computer Science*, MFCS 2012, Bratislava, Slovakia, August 2012; (PROGRAMME CO-CHAIR).

Programme Committees Membership

- ▶ 25th International Symposium on *Mathematical Foundations of Computer Science*, MFCS 2000, Slovak Republic, September 2000;
- ▶ 11th International Conference on *Concurrency Theory*, CONCUR 2000, Pennsylvania, USA, August 2000;
- ▶ 2nd Workshop on *Geometric and Topological Methods in Concurrency Theory*, GETCO 2000, Pennsylvania, USA, August 2000;
- ▶ 22nd International Conference on *Application and Theory of Petri Nets*, ATPN 2001, Newcastle, UK, June 2001;

- ▶ 3rd Workshop on *Geometric and Topological Methods in Concurrency Theory*, GETCO 2001, Aalborg, Denmark, August 2001.
- ▶ International Conference on *Foundations of Software Science and Computation Structures*, FoSSaCS 2002, Grenoble, France, April 2002;
- ▶ 23rd International Conference on *Application and Theory of Petri Nets*, ATPN 2002, Adelaide, Australia, June 2002;
- ▶ 4th Workshop on *Geometric and Topological Methods in Concurrency and Distributed Systems Theory*, GETCO 2002, Toulouse, France, October 2002;
- ▶ 15th International Symposium on *Fundamentals of Computation Theory*, FCT 2003, Malmö, Sweden, August 2003;
- ▶ 1st International Workshop on *Issues in Security and Petri Nets*, WISP 2003, Eindhoven, The Netherlands, June 2003;
- ▶ International Conference on *Software Engineering and Formal Methods*, SEFM 2003, Brisbane, Australia, September 2003;
- ▶ 5th Workshop on *Geometric and Topological Methods in Concurrency and Distributed Systems Theory*, GETCO 2003, Marseille, France, September 2003;
- ▶ International Workshop on *Services and Formal Methods*, WS-FM, Pisa, Italy, February 2004;
- ▶ International Conference on *Foundations of Software Science and Computation Structures*, FoSSaCS 2004, Barcelona, Spain, April 2004;
- ▶ 2nd International Workshop on *Issues in Security and Petri Nets*, WISP 2004, Turku, Finland, June 2004;
- ▶ International Workshop on *Logics for Resources, Processes, and Programs*, Turku, Finland, June 2004;
- ▶ International Workshop on *Coordination and Petri Nets*, Bologna, Italy, June 2004;
- ▶ 3rd IFIP TC1 International Conference on *Theoretical Computer Science*, TCS 2004, Toulouse, France, August 2004;
- ▶ 15th International Conference on *Concurrency Theory*, CONCUR 2004, London, UK, August 2004;
- ▶ International Conference on *Software Engineering and Formal Methods*, SEFM 2004, Beijing, China, September 2004;
- ▶ 6th Workshop on *Geometric and Topological Methods in Concurrency and Distributed Systems Theory*, GETCO 2004, Amsterdam, The Netherlands, October 2004;
- ▶ 3rd *UK-UbiNet Workshop*, Bath, UK, February 2005;
- ▶ 20th *ACM Symposium on Applied Computing*, SAC 2005, Special Track on *Object Oriented Programming Languages and Systems*, OOPS, Santa Fe, New Mexico, USA, March 2005;
- ▶ International Workshop on *Trustworthy Global Computing*, TGC 2005, Edinburgh, UK, April 2005;
- ▶ International Workshop on *Software Techniques for Embedded and Pervasive Systems*, STEPS 05, München, Germany, May 2005;
- ▶ 18th *Computer Security Foundation Workshop*, CSFW 2005, Aix-en-Provence, France, June 2005;
- ▶ 16th International Conference on *Concurrency Theory*, CONCUR 2005, San Francisco (CA) USA, August 2005;
- ▶ 4th International Workshop on *Foundations of Coordination Languages and Software Architectures*, Foclasa 2005, San Francisco (CA) USA, August 2005;
- ▶ International Workshop on *Graph Transformations for Verification and Concurrency*, GT-VC 2005, San Francisco (CA) USA, August 2005;
- ▶ International Workshop on *Web Services and Formal Methods* 2005, WS-FM 2005, Versailles, France, September 2005;

- ▶ 3rd International Conference on Service-Oriented Computing *ICSOC 2005*, Amsterdam, The Netherlands, December 2005;
- ▶ International Conference on *Foundations of Software Science and Computation Structures, FoSSaCS 2006*, Vienna, Austria, April 2006;
- ▶ International Workshop on *Dependability in Large-scale Service-oriented Systems, DILSOS*, Vienna, Austria, April 2006;
- ▶ International Workshop on *Term Graph Rewriting, TERMGRAPH 2006*, Vienna, Austria, April 2006;
- ▶ International Workshop on *Membrane Computing and Biologically Inspired Process Calculi, MeCBIC 2006*, Venice, Italy, July 2006;
- ▶ 5th International Workshop on *Foundations of Coordination Languages and Software Architectures, Foclasa 2006*, Bonn, Germany, August 2006;
- ▶ International Workshop on *Graph Transformations for Verification and Concurrency, GT-VC 2006*, Bonn, Germany, August 2006;
- ▶ International Workshop on *Web Services and Formal Methods, WS-FM 2006*, Vienna, Austria, September 2006;
- ▶ International Symposium on *Trustworthy Global Computing, TGC'06*, Lucca, Italy, November 2006;
- ▶ International Conference on *Service-Oriented Computing, ICSOC 2006*, Chigaco, USA, December 2006;
- ▶ 33rd International Conference on *Current Trends in Theory and Practice of Computer Science, SOFSEM'07*, Prague, Czech Republic, January 2007;
- ▶ International Workshop *Foundations of Interactive Computation, FInCo 2007*, Braga, Portugal, March 2007.
- ▶ International Workshop on Development in Computational Models, *DMC*, Wroclaw, Poland, July 2007;
- ▶ 22nd Annual IEEE Symposium on *Logic in Computer Science LICS 2007*, Wroclaw, Poland, July 2007;
- ▶ 18th International Conference on *Concurrency Theory, CONCUR 2007*, Lisbon, Portugal, September 2007;
- ▶ International Conference on *Foundations of Software Science and Computation Structures, FoSSaCS 2008*, Budapest, Hungary, April 2008;
- ▶ International Workshop on *Trust in Mobile Environments, TIME 2008*, Trondheim, Norway, June 2008;
- ▶ 1st Workshop on the *Theory and Practice of Provenance, TaPP 2009*, San Francisco (CA), USA, February 2009;
- ▶ 36th International Colloquium on *Automata, Languages and Programming, ICALP 2009*, Rhodes, Greece, July 2009;
- ▶ 2nd Workshop on *Logics for Agents and Mobility, LAM 2009*, Los Angeles (CA), USA, August 2009;
- ▶ 17th International Symposium on *Fundamentals of Computation Theory, FCT 2009*, Wroclaw, Poland, September 2009;
- ▶ 5th Symposium on *Trustworthy Global Computing, TGC 2010*, München, Germany, February 2010;
- ▶ 26th Conference *Mathematical Foundations of Programming Semantics, MFPS 2010*, Ottawa, Canada, May 2010;
- ▶ 3rd Workshop on *Logics for Agents and Mobility, LAM 2010*, Edinburgh, UK, July 2010;

- ▶ 35th International Symposium on *Mathematical Foundations of Computer Science, MFCS 2010*, Brno, Czech Republic, August 2010;
- ▶ Joint Workshop on *Automated Reasoning for Security Protocol Analysis and Issues in the Theory of Security, ARSPA-WITS 2011*, Saarbrücken, Germany March 2011;
- ▶ 38th International Colloquium on *Automata, Languages and Programming, ICALP 2011*, Zürich, Switzerland, July 2011;
- ▶ 22nd International Conference on *Concurrency Theory, CONCUR 2011*, Aachen, Germany, August 2011;

Editorial Boards

- ▶ I am managing editor of *ARCoSS, Advanced Research in Computing and Software Science*, a new subline of Springer's Lectures Notes in Computer Science.
- ▶ I am an editor of the journal *Theoretical Computer Science*.
- ▶ I am an editor of the journal *Logical Methods in Computer Science*.
- ▶ I am an associated editor of the *Computer Journal*.
- ▶ I am an editor of the *EPTCS, Electronic Proceedings in Theoretical Computer Science*.
- ▶ I have been the editor-in-chief of the *Bulletin of the EATCS*, the European Association of Theoretical Computer Science, from 2003 to 2008.

Invited Talks

- ▶ I have been an invited speaker at the *IST-FET Workshop on Global Computing*, 11 July 2002, Málaga, Spain.
- ▶ I delivered an invited presentation at the *EPSRC Annual Workshop on Programmable Networks*, 1 November 2002, Warwick, UK.
- ▶ I have been an invited speaker at *Workshop on Object Oriented Developments, WOODS*, 12 April 2003, Warsaw, Poland.
- ▶ I have been an invited speaker at the *Fields Institute's Workshop on Concurrency and Mobility*, 19 June 2003, Ottawa, Canada.
- ▶ I have been an invited speaker at the workshop *Formal Methods for Mobility, FMM*, 7 September 2003, Marseille, France.
- ▶ I have been an invited speaker at the *1st UK-UbiNet Workshop*, 25–26 September 2003, Imperial College, London.
- ▶ I have been an invited speaker at the Joint EU/NSF Strategic Research Workshop '*Engineering Software Intensive Systems*,' 22–23 May 2004, Edinburgh, UK.
- ▶ I have been an invited speaker at the Action Concertée Incitative '*Géométrie du Calcul*' (ACI GEOCAL) Workshop, 25–26 May 2004, Lyon, France.
- ▶ I have been an invited speaker at the FP6 FET Open Day 3–4th June 2004, Brussels, Belgium.
- ▶ I have been invited as a speaker at the *First International Conference on Algebras and Coalgebras in Computer Science*, 3–6th September 2005, Swansea, UK.
- ▶ I have been invited as a speaker at the *8th ACM SIGPLAN Symposium on Principles and Practice of Declarative Programming, PPDP*, 10–12th July 2006, Venice, Italy.
- ▶ I have been invited as a speaker at the *5th International Symposium on Formal Methods for Components and Objects, FMCO*, 7–10th November 2006, Amsterdam, The Netherlands.
- ▶ I have been invited as a speaker at the *5th International Applied and Computational Category Theory, ACCAT*, March 2007, Braga, Portugal.
- ▶ I have been invited as a speaker at the *5th Symposium on Trustworthy Global Computing, TGC 2010*, February 2010, München, Germany.

- ▶ I have been invited as a speaker at the 21st International Conference on Concurrency Theory, *CONCUR 2010*, August 2010, Paris, France.

Schools

- ▶ I have been co-director of the 13th International School for Computer Science Researchers, *Foundations of Wide Area Network Programming*, July 2001, Lipari, Eolie Islands, IT.
- ▶ I have been an invited lecturer at the 3rd International School on Foundations of Security Analysis and Design, *FOSAD 2002*, September 2002, Bertinoro, IT.
- ▶ I have been an invited lecturer at the International Summer School on Foundations of Security, June 2003, Oregon University, USA.
- ▶ I have been invited as a lecturer at the International Summer School on Ubiquitous Networks, 13–15 September 2004, NeSC, Edinburgh, UK.
- ▶ I have been invited lecturer at the IMT, Institute for Advanced Studies, Lucca, PhD School, where I taught a course entitled *Current Trends in Trust and Anonymity*, 23–25 June 2010, Lucca, IT.
- ▶ I have been invited lecturer at the Bertinoro International Spring School, *BiSS 2011*, where I taught a course entitled *Trust in Anonymity Networks*, 7–14 March 2011, Bertinoro, IT.
- ▶ I have been invited lecturer at the IFIP Summer School on Trust Management, *IFIPTM 2011*, where I taught a course entitled *Formal Models of Trust*, 20–24 June 2011, Copenhagen, DK.

Boards and Councils

- ▶ I am the chair of the *ETAPS Steering Committee*, the European Joint Conferences on Theory and Practice of Software.
- ▶ I am a member of the *Board* and of the *Council of the EATCS*, the European Association of Theoretical Computer Science.
- ▶ I am a member of the *UKCRC*, the UK Computing Research Committee.
- ▶ I am a member of the *EPSRC College 2006 and 2010*.
- ▶ I am a member of the *London Mathematical Society's Computer Science Committee*.
- ▶ I am a member of the *FOSSACS Steering Committee*, the European Conference on Foundations of Software Science and Computation Structures.
- ▶ I am a member of the panel awarding the *EATCS Best Theoretical Paper Award* (from 2007).
- ▶ I am a member of the *Academic Senate* of the University of Southampton. I have been a member of the *Academic Senate* of the University of Sussex.
- ▶ I am in the management *Board* of *UK-UbiNet*, the EPSRC UK Network on Ubiquitous Networks.
- ▶ I have been a member of the *Board of Directors* of the *Scuola Superiore di Catania per la Formazione di Eccellenza* (High Institute for Education of Excellence).
- ▶ I have been co-chairman of the Board of the Faculty of Mathematical, Physical and Natural Sciences of Università di Catania for the *European Structural Fund 2000-2006, Agenda 2000*.
- ▶ I have been a member of the GRIN (Italian Association of Researchers in Informatics) National Board for the *assessment of the research* in Computer Science.
- ▶ I have been a member of the *Board of Directors* of the Department of Mathematics and Informatics of Università di Catania, and pro-director for the departmental *Computing Center*.
- ▶ I have been director of the *Computing Center* of the Scuola Superiore di Catania.

Memberships in Scientific and Professional Bodies

- ▶ I am a member of the *IFIP* Technical Committee TC1, *Foundations of Computer Science*.
- ▶ I have been a co-editor of the UK Grand Challenge *Science for Global Ubiquitous Computing*, an activity of the UK Computing Research Committee (with EPSRC and NeSC).
- ▶ I have been the convenor of the European *Strategy Group for Global Computing*.
- ▶ I am a member of the *IFIP* Working Group 1.3, *Foundations of System Specification*.
- ▶ I have been an invited observer of the *IFIP* Working Group 2.2, *Formal Description of Programming Concepts*.
- ▶ I have been acting as a consultant in a Experts Panel for the European Commission's FP6 and FP7 *Information Society Technologies* and *Future and Emerging Technologies* programmes.
- ▶ I am acting as a project reviewer for the Italian *Ministry of University and Research*, and for the corresponding French, German, Dutch and Finnish institutions.
- ▶ I am a member of the *Marie Curie Fellowship Association*.

Qualifications and Awards

- ▶ I am an elected member of *Academia Europaea*.
- ▶ I am a *Fellow* of the British Computer Society, BCS.
- ▶ I was awarded the European Association of Theoretical Computer Science's '*Best Theoretical Paper Award 2003*' (for the work [70]).
- ▶ I obtained the '*Qualification aux fonctions de Professeur des universités*' from the French Ministry of Education and Research in February 2003.
- ▶ I qualified as '*Directeur de Recherche*' at the French National Research Institute on Informatics and Automation, INRIA, in May 2003.

Event Organization

I have taken part in the organization of the following events.

56th Peripatetic Seminar in Sheaves and Logic,
Computer Science and Mathematics Depts., University of Aarhus, Aarhus, Denmark,
3 & 4 December 1994;

7th International Conference on Concurrency Theory, CONCUR '96,
Università di Pisa, Italy,
26–30 August 1996;

International Workshop on Verification of Infinite State Systems, Infinity '96,
Università di Pisa, Italy,
30–31 August 1996;

24th International Colloquium on Automata, Languages and Programming, ICALP '97,
Università di Bologna, Italy,
7–11 July 1997;

13th International School for Computer Science Researchers,
Lipari Island, Eolie Islands, Italy,
1–14 July 2001.

International Workshop on Foundations of Wide Area Network Computing, F-WAN,
Malága, Spain,
12–13 July 2002.

2nd EATCS International Workshop on Foundations of Global Computing, FGC,
Eindhoven, The Netherlands,
28–29 June 2003.

UK-UbiNet Workshop on Security, Trust, Privacy in Ubiquitous Computing,
Cambridge, UK,
7–9 May 2004.

15th International Conference on Concurrency Theory, CONCUR '04,
London, UK,
31 August–3 September 2004;

European Joint Conferences on Theory and Practice of Software, ETAPS,
2007– _ (as chair of the Steering Committee)

Royal Society Scientific Discussion Meeting on 'From computers to ubiquitous computing, by 2020',
The Royal Society, London, UK,
17 & 18 March 2008;

Teaching Activity

Taught Courses (in official courses of studies)

'Operational and Denotational Semantics of a Simple Functional Programming Language'
Università di Pisa — October 1992–December 1992

'Computability, Formal Languages, Semantics'
Università di Pisa — October 1992–December 1992

'Concurrency'
University of Aarhus — September 1994–December 1994

'Logic & Verification'
University of Aarhus — September 1995–December 1995

'Operating Systems'
Università di Pisa — February 1996–June 1996

'Internet & TCP/IP: An Overview'
Università di Pisa — May 1996

'Introduction to Category Theory'
Università di Pisa — May 1996–July 1996

'A Minicourse on NonInterleaving Transition Systems'
University of Aarhus — September 1996

'Computer Programming'
Università di Pisa — October 1996–January 1997

'Fundamentals of Computer Science: Semantics'
Università di Pisa — February 1997–June 1997

'Elements of Computability'
University of London — September 1997–December 1997

'Deduction'
University of London — September 1997–April 1998

'Introduction to Programming'
University of London — January 1998–April 1998

'Distributed Computation'
University of Aarhus — October 1998–December 1998

- 'Induction to Computer Science'*
Università di Catania — September 1999
- 'Programming Laboratory'*
Università di Catania — March 1999–June 1999
Università di Catania — October 1999–June 2000
- 'Programming Languages'*
Università di Catania — March 1999–June 1999
Università di Catania — October 1999–June 2000
- 'Computer Programming'*
Università di Catania — October 1999–June 2000
- 'Elements of Computer Science'*
Scuola Superiore di Catania — October 1999–June 2000
- 'Internet Technologies'*
University of Sussex — October 2001–December 2001
University of Sussex — October 2002–December 2002
University of Sussex — October 2003–December 2003
University of Sussex — October 2004–December 2004
- 'Multimedia Communication Technology'*
University of Sussex — April 2002–June 2002
University of Sussex — April 2003–June 2003
University of Sussex — April 2004–June 2004
- 'Programming Techniques'*
University of Sussex — October 2005–December 2005
- 'Logics & Sets'*
University of Southampton — October 2007
University of Southampton — October 2008
University of Southampton — January 2010
University of Southampton — January 2011
- 'Research Methods in Computing'*
University of Southampton — October 2008– January 2009
University of Southampton — October 2009– January 2010
University of Southampton — October 2010– January 2011
- 'Advanced Databases'*
University of Southampton — February 2009– May 2009
University of Southampton — February 2010– May 2010
University of Southampton — February 2011– May 2011
- 'Agile & Object Oriented Development'*
University of Southampton — October 2009– January 2010
University of Southampton — October 2009– January 2011
- 'Types & Programming Languages'*
University of Southampton — October 2009– January 2010
- 'Distributed Computing'*
University of Southampton — February 2010– May 2010
University of Southampton — February 2011– May 2011

Teaching Material

I have produced the following notes, some of which are available at my web address.

1. *CCS, Modal Logics, and Observational Equivalences*. Teaching notes (manuscript), University of Aarhus, 1995.
2. *An Overview of Internet and TCP/IP*. Teaching notes (manuscript), Università di Pisa, 1996
3. *Mathematical Induction and Verification of Recursive Functions*. Teaching notes, Università di Pisa, 1996.
4. *Introduction to Functional and Recursive Programming*. Teaching notes, Università di Pisa, 1997.
5. *Multisorted Algebras and Denotational Semantics: the case of IMP*. Teaching notes, Università di Pisa, 1997.
6. *Static Type Checking and Inference: the case of HOL*. Teaching notes, Università di Pisa, 1997.
7. *Elements of Computability*. Teaching notes (manuscript), University of London, 1997.
8. *Operational Semantics of a Fragment of the Language Java*. Teaching notes (manuscript), Università di Catania, 1999.
9. *XML and Internet Technologies*. Teaching notes, University of Sussex, 2001, 2002, 2003, 2004.

Teaching Organization

In the autumn 1999 I proposed a scheme for *tutoring* first-year Computer Science students that has been approved and financed by Università di Catania.

At Sussex, I have been the convenor of the Computer Science degree, Sussex's main BSc in Informatics, and chaired the working group for its revision. I have been the Head of Department in Informatics, responsible of design and delivery of all undergraduate and postgraduate programmes. In Southampton, I have been the Head of the Graduate School in Electronics and Computer Science, responsible for about 300 PhD students.

Supervision of Research Students and Fellows

At the moment of writing, I supervise four PhD students, whose respective research topics are: *dynamic, probabilistic models for trust and reputation* (EES); *provenance* in distributed systems and *data confidentiality* (IS); *linked-data* and *syndication* protocols (RH); trust in *anonymity protocols* (MY).

In my time at the University of Sussex, I (co)supervised seven PhD students. MC worked on themes concerned with modelling *trust* in global computing scenarios; DM focussed on *resource models and logics*, in the context of developing languages and frameworks for the specification and analysis of resource usage in global, distributed networks; KK investigated *event-based trust* models; BR worked on formalisms for *context awareness*. Further back in time, PS has been working on abstract models for concurrency, focusing in particular on categorical approaches to deriving *bisimulation congruences* from reduction systems. MB on concurrency and security, focusing in particular on (coloured) *Petri nets*, the *join-calculus*, and on formal analysis for *cryptographic protocols*. GM worked on formal approaches to object oriented software development, in particular focussing on (typed) concurrent (object) calculi, with applications to *coordination*, '*inheritance anomaly*', *code refactoring*, and analysis of *security protocols*.

As the Coordinator of *MyThS: Models and Types for Security in Mobile Distributed Systems* and the Principal Investigator of *Third-party Resource Usage for Pervasive Computing* I have supervised several Research Fellows working on the project. As the Director of the European Marie Curie Training Site '*DisCo: Semantic Foundations of Distributed Computation*', I have been responsible for the supervision of the Marie Curie Fellows trained at Sussex under the programme.

Pedagogical Training

I have attended the following courses, completing the programme *Induction to the Academic Practice* of the University of London.

Lecturing in Science and Engineering; Making Presentations; Learning in Groups; Understanding Student Learning; Assessing Student Learning; Teaching Lab and Practical Work; Supervising Student Project; Supervision of PhD Students in Science Disciplines; Developing a Course Module.

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