

Marco Giunti

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New University of Lisbon
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Degrees

PhD in Informatics Ca' Foscari University of Venice, 2007
Dissertation: Secure implementations of typed channel abstractions
Advisor: Prof. Michele Bugliesi

Laurea (MSc) in Informatics Ca' Foscari University of Venice, 2002
Advisor: Prof. Riccardo Focardi

Professional activities

Research Associate New University of Lisbon, 2012-Now.

Research Fellow INRIA Saclay & Ecole Polytechnique Palaiseau, 2011-2012.

Adjunct Professor Iuav University, Venice, 2009-2010

Research Associate University of Lisbon, 2008-2009.

Software Engineer Alceo Ltd, Venice. 2002-2003.

Publications

- *Algorithmic type-checking for a pi-calculus with name matching and session types.* Journal of Logic and Algebraic Programming 82 (8) 263-281 2013
- *Hide and New in the Pi-Calculus.* Co-authored by Catuscia Palamidessi and Frank D. Valencia. Expressiveness in Concurrency and Structured Operational Semantics (EXPRESS/SOS'12) EPTCS 89 65-79 2012
- *A type checking algorithm for qualified session types.* Automated Specification and Verification of Web Systems (WWV'11) EPTCS 61 96-114 2011
- *A linear account of session types in the pi-calculus.* Co-authored by Vasco T. Vasconcelos. Concurrency Theory (CONCUR'10) LNCS 6269 432-446 Springer 2010
- *Secure implementations of typed channel abstractions,* co-authored by Michele Bugliesi. Principles of Programming Languages (POPL'07) 251-262 ACM 2007

- *Typed processes in untyped contexts*. Co-authored by Michele Bugliesi. Trustworthy Global Computing (TGC'05) LNCS 3705 19-32 Springer 2005

Other papers

- *Towards static deadlock resolution in the pi-calculus*. Co-authored by Antonio Ravara. Trustworthy Global Computing (TGC'13), to appear in Springer LNCS
- *Linearity, session types and the pi calculus*. Co-authored by Vasco T. Vasconcelos. Mathematical Structures in Computer Science (accepted March 27 2013)
- *Session based type-discipline for pi calculus with matching*. Co-authored by Kohei Honda, Nobuko Yoshida, and Vasco T. Vasconcelos. Programming Language Approaches to Concurrency and Communication-cEntric Software (PLACES'09)

Invited Talks

- *Programming secrecy in untrusted networks*. IST Universidade Técnica de Lisboa 2012
- *Programming secrecy in untrusted networks*. LSV Ecole normale supérieure de Cachan 2012
- *A linear type system for the pi-calculus*. Behavioral Types Workshop - Universidade Nova de Lisboa 2011
- *A linear account of session types in the pi calculus*. INRIA Grenoble-Rhone Alpes 2010

Participation in Research Projects

- *EU-COST Behavioural Types for Reliable Large-Scale Software Systems (BETTY)*. Affiliated to the New University of Lisbon, 2013-Now.
- *PT-FCT Liveness, statically*. Affiliated to the New University of Lisbon, 2012-Now.
- *FR-INRIA Concurrency, Mobility and Transactions (Comete)*. Affiliated to INRIA Saclay-Île de France, 2011-2012
- *EU-IST Software Engineering for Service-Oriented Overlay Computers (SENSORIA)*. Affiliated to the University of Lisbon, 2008-2009
- *EU-IST Models and Types for Security in Mobile Distributed Systems (MyThS)*. Affiliated to the University of Venice, 2004-2005