

Europass Curriculum Vitae

Personal information

Surname(s) / First name(s)	Piccolo Mauro
Address(es)	185, Corso Svizzera, 10149, Torino, Italy
Telephone(s)	+39 3493956864
Email(s)	piccolo@di.unito.it
Nationality(-ies)	Italian
Date of birth	4th August 1982
Gender	Male

Experiences

Date	January 2007 - December 2009
Position	PhD Student
Affiliation	Università degli Studi di Torino/ Université Denis Diderot (Paris 7)
Thesis supervisors	Prof. Simona Ronchi Della Rocca/Prof. Pierre Louis Curien <i>Ph.D has been funded by a special grants allocated for doctorate, under the Italian-French trusteeship, called "Programma VINCI 2007 Capitolo II" given by the Università Italo-Francese (http://www.universite-franco-italienne.org/appel+a+projets-it-19-programma+vinci.html)</i>
Date	May 2006 - September 2006 e November 2006 - December 2006
Position	Intern
Affiliation	Laboratory Preuve Programmes et Systèmes Université Denis Diderot (Paris 7)
Research Director	Prof. Pierre Louis Curien

Educational Qualifications

Date	9th December 2009
Qualification	Doctorat d'Informatique et Dottorato di Ricerca in Informatica
Description	PhD in Computer Science
Mark	Very Honourable
Title of the Thesis	Linearity and Beyond in Denotational Semantics
Thesis supervisors	Prof. Pierre Louis Curien and Prof. Simona Ronchi Della Rocca
Name and Address of the Institution	Università degli Studi di Torino and Université Denis Diderot (Paris 7)
Date	29th September 2006
Qualification	Laurea Specialistica/Magistrale (MSc)
Description	Master Degree in Computer Science
Mark	Full Mark Cum Laude
Title of the Thesis	Strutture di Eventi e Strategie: un Ponte fra Teoria della Concorrenza e Semantica dei Giochi
Thesis supervisors	Prof. Claudia Faggian e Prof. Daniele Varacca
Name and Address of the Institution	Università degli Studi di PADOVA - Via 8 Febbraio, 2 - PADOVA

Date 30th September 2004
 Qualification Laurea Triennale (BSc)
 Description Degree in Computer Science
 Mark 107/110
 Title of the Thesis Studio di Algoritmi Approssimati
 Thesis supervisor Prof. Livio Colussi
 Name and Address of the Institution Università degli Studi di PADOVA - Via 8 Febbraio, 2 - PADOVA

Date July 2001
 Qualification Diploma di Scuola Secondaria Superiore
 Description Diploma of Enterprise Expert and Foreign Languages Correspondent
 Mark 98/100
 Name and Address of the Institution ITCG J.F. Kennedy - via A. de Gasperi, Monselice PD

Professional Abilities

Mother tongue(s)

Other Languages

*Self-assessment
 European level^(*)*

English

French

German

Italian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	B2	Independent user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	A2	Basic user

^(*) Common European Framework of Reference (CEF) level

Driving Licence
 Professional Registers

CE
 Certificate of professional ability to lead a road haulage firm

Summer School Participation

Dates 19th - 31st August 2007
 Description Types Summer School
 Place Bertinoro (Italia)

Dates 5th - 16th March 2007
 Description Bertinoro International Spring School (BISS 2007)
 Place Bertinoro (Italia)

Dates 28th May - 2nd June 2006
 Description École de Printemps en Informatique Théorique (EPIT 2006)
 Place Ile de Ré (Francia)

Teaching Activities

Academic Year 2009/2010
 Description Teacher assistant, courses of "Programmazione 1" and "Programmazione 2" (Java programming)

Place Università di Torino

Teachers Prof. Felice Cardone, Prof. Valentina Gliozzi, Prof. Liliana Ardissono, Prof. Viviana Bono, Prof. Matteo Baldoni, Prof. Ugo de' Liguoro, Prof. Roberto Micalizio

Academic Year 2005/2006

Description	Teacher assistant, course of “Programmazione 3” (advanced Java programming)
Place	Università di Padova
Teacher	Prof. Francesco Ranzato
Academic Year	2005/2006
Description	Teacher assistant, course of “Programmazione 2” (Object Oriented Programming in C++)
Place	Università di Padova
Teacher	Prof. Francesco Ranzato

Research Activities

Referee Activities

- 2009 36th International Colloquium on Automata, Languages and Programming July 5 - 12, 2009 Rhodes - Greece
Ninth International Conference on Typed Lambda Calculi and Applications Wednesday, July 1 to Friday, July 3 Brasilia, Brazil
- 2008 The Sixth ASIAN Symposium on Programming Languages and Systems (APLAS 2008) Bangalore, India, Dec 9 - Dec 11, 2008
Computability in Europe 2008, Logic and Theory of Algorithms, University of Athens, 15 June - 20 June, 2008
Types for Proofs and Programs, International Conference, TYPES 2008, Torino, Italy, March 26-29, 2008
The 35th Annual ACM SIGPLAN - SIGACT Symposium on Principles of Programming Languages San Francisco, USA January 10-12, 2008

Research Projects Participation

- 2009 “CONtrol and CERTification of Resources Usage” (CONCERTO) project of national relevance (PRIN) partially funded by Ministero Italiano dell’Istruzione, Università e Ricerca (MIUR).
- 2007 “The Types Project” (TYPES), a coordination action in EU’s 6th framework programme.

Committee Activities

- 2008 I was member of the organising committee of “Types for Proofs and Programs, International Conference, TYPES 2008” held in Torino from 26th to 29th March 2008

Participation to Conferences and Workshops

- 4/2009 Twenty-fifth Conference on the Mathematical Foundations of Programming Semantics (MFPS 25) University of Oxford Oxford, UK April 3 - 7, 2009
- 2/2009 Kick-off meeting of the research project CONCERTO. Bologna (Italia)
- 7/2008 10th International ACM SIGPLAN Symposium on Principles and Practice of Declarative Programming. 15-17 July, 2008 Valencia, (Spagna)
- 7/2008 The 15th International Static Analysis Symposium SAS 2008 Valencia (Spagna) 16-18 July 2008
- 3/2008 Types for Proofs and Programs, International Conference, TYPES 2008, Torino, Italy, March 26-29, 2008
- 3/2008 4th Workshop on Intersection Types and Related Systems (ITRS '08)
- 2/2008 Workshop Implicit Computational Complexity (NoCOST), Paris, France, February 11-13 2008
- 10/2007 Types and Computations: A Colloquium in Honor of Mario Coppo, Mariangiola Dezani-Ciancaglini, Simona Ronchi Della Rocca. October 3, 2007, Roma
- 10/2007 10th Italian Conference in Theoretical Computer Science, ICTCS 2007, Rome, Italy, October 3-5, 2007
- 6/2007 Typed Lambda Calculi and Applications (TLCA 2007) Tuesday, June 26, 2007 to Thursday, June 28, 2007, Paris

- 6/2007 Rewriting Techniques and Applications (RTA 2007) Tuesday, June 26, 2007 to Thursday, June 28, 2007, Paris
- 6/2007 From Type Theory to Morphologic Complexity: A Colloquium in Honor of Giuseppe Longo. 28-29 June 2007, Paris
- 5/2007 Workshop on Linear Logic, Ludics, Implicit Complexity and Operator Algebras. Dedicated to Jean-Yves Girard on his 60th birthday. Pontignano (Siena), Italy. 17-20 Maggio 2007
- 8/2006 Concurrency Theory, 17th International Conference, CONCUR 2006, Bonn, Germany, August 27-30, 2006
- 8/2006 Graph Transformation for Verification and Concurrency 31 August 2006, Bonn, Germany

Talks

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| Place and date | 3rd April 2009, Oxford |
| Description | Talk titled "Logical Semantics for Stability" at the Twenty-fifth Conference on the Mathematical Foundations of Programming Semantics - University of Oxford (UK) |
| Place and date | 17th February 2009 |
| Description | Talk titled "Logical Semantics for Stability" at the kick-off meeting of the project CONCERTO - University of Bologna |
| Place and date | 15th July 2008, Valencia |
| Description | Talk titled "Semantically Linear Programming Languages" at the 10th International ACM SIGPLAN Symposium on Principles and Practice of Declarative Programming (PPDP'09) - University of Valencia (Spain) |
| Place and date | 9th July 2008, Padova |
| Description | Talk titled "Linear Programming Languages" at the Dipartimento di Matematica Pura e Applicata - University of Padova (Italy) |
| Place and date | 3rd April 2008, Paris |
| Description | Talk titled "Strong normalisation for the Pi-calculus with Intersection Types" at the concurrency working group of laboratory PPS - Université de Paris 7 (France) |
| Place and date | 26th March 2008, Torino |
| Description | Talk titled "Processing Programs: the Linear Case" at the International Conference TYPES 2008 - University of Torino (Italy) |
| Place and date | 25th March 2008, Torino |
| Description | Talk titled "Strong Normalization in the π -calculus with Intersection and Union Types" at the 4th International Workshop on Intersection Types and Related Systems - University of Torino (Italy) |
| Place and date | 24th January 2008, Paris |
| Description | Talk titled "Processing Programs, a Linear Case" at the concurrency working group of the laboratory PPS Université de Paris 7 (France) |
| Place and date | 19th May 2007, Siena |
| Description | Talk titled "Ludics, Game Semantics and Concurrency" at L.O.G.I.C. Workshop (Linear Logic, Ludics, Implicit Complexity, Operator Algebras) - University of Siena (Italy) |
| Place and date | 16th November 2006, Torino |
| Description | Talk about the thesis work "Event Structures and Strategies. Between Concurrency and Game Semantics". University of Torino (Italy). |
| Place and date | 12th October 2006, Bologna |
| Description | Talk about the thesis work "Event Structures and Strategies. Between Concurrency and Game Semantics". Università di Bologna. FOLLIA project |
| Place and date | 13th September 2006, Paris |

Description	Talk titled “A Graph Abstract Machine Describing Event Structure Composition” at Université de Paris 13 LIPN (France)
Place and date	31st August, Bonn
Description	Talk titled “A Graph Abstract Machine Describing Event Structure Composition” at the international workshop GT-VC’06 (Graph Transformation for Verification and Concurrency). Satellite Workshop of CONCUR’06

List of publications

Articles

- 1 Mauro Piccolo.
Strong normalization in the π -calculus with intersection and union types.
Fundamenta Informaticae, 2009.
Submitted
- 2 Claudia Faggian and Mauro Piccolo.
A graph abstract machine describing event structure composition.
Electronic Notes in Theoretical Computer Science, 175(4):21–36, 2007.
Appeared in Proceedings of GT-VC, Graph Transformation for Verification and Concurrency, Sattelite workshop of CONCUR 2006

International Conference Proceedings

- 1 Claudia Faggian and Mauro Piccolo.
Partial orders, event structures and linear strategies.
In Pierre-Louis Curien, editor, *Typed Lambda Calculi and Applications, 9th International Conference, TLCA 2009, Brasilia, Brazil, July 1-3, 2009. Proceedings*, volume 5608 of *Lecture Notes in Computer Science*, pages 95–111. Springer, 2009
- 2 Luca Paolini, Mauro Piccolo, and Simona Ronchi Della Rocca.
Logical semantics for stability.
In Samson Abramsky, Michael W. Mislove, and Catuscia Palamidessi, editors, *Proceedings of the 25th Conference on Mathematical Foundations of Programming Semantics (MFPS 2009)*, volume 249 of *Electronic Notes in Theoretical Computer Science*, pages 429–449. Elsevier, 2009
- 3 Luca Paolini and Mauro Piccolo.
A process-model for linear programs.
In Stefano Berardi, Ferruccio Damiani, and Ugo de’Liguoro, editors, *Types for Proofs and Programs, International Conference, TYPES 2008, Torino, Italy, March 26-29, 2008, Revised Selected Papers*, volume 5497 of *Lecture Notes in Computer Science*, pages 289–305. Springer, 2009
- 4 Luca Paolini and Mauro Piccolo.
Semantically linear programming languages.
In Sergio Antoy and Elvira Albert, editors, *Proceedings of the 10th International ACM SIGPLAN Conference on Principles and Practice of Declarative Programming, July 15-17, 2008, Valencia, Spain*, pages 97–107. ACM, 2008
- 5 Claudia Faggian and Mauro Piccolo.
Ludics is a model for the finitary linear pi-calculus.
In Simona Ronchi Della Rocca, editor, *Typed Lambda Calculi and Applications, 8th International Conference, TLCA 2007, Paris, France, June 26-28, 2007, Proceedings*, volume 4583 of *Lecture Notes in Computer Science*, pages 148–162. Springer, 2007

Workshop and Short Presentations

- 1 Marco Gaboardi and Mauro Piccolo.
Categorical model for a semantically linear λ -calculus.
In *First International Workshop on Linearity 12 September 2009*, Coimbra, Portugal, 2009.
In conjunction with CSL 2009
- 2 Claudia Faggian and Mauro Piccolo.
Partial orders, event structures, and linear strategies.
Short presentation at LICS 2009, 2009

3 Mauro Piccolo.
Strong normalization in the π -calculus with intersection and union types.
In *4th International Workshop on Intersection Types and Related Systems (ITRS'08)*,
Torino (Italy), 2008.
Satellite Event of TYPES'08

4 Claudia Faggian and Mauro Piccolo.
Ludics, game semantics and concurrency.
In *Workshop on Linear Logic, Ludics, Implicit Complexity and Operator Algebras. Dedicated to Jean-Yves Girard on his 60th birthday*, Certosa di Pontignano, Siena, May 2007

Dissertations

1 Mauro Piccolo.
Linearity and Beyond in Denotational Semantics.
PhD thesis, Università degli Studi di Torino - Université Paris Diderot (Paris 7), 2009

2 Mauro Piccolo.
Strutture ad eventi e strategie: un ponte fra teoria della concorrenza e semantica dei giochi.
Tesi di laurea in informatica, Dipartimento di Matematica Pura e Applicata, Università degli Studi di Padova, 2006