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Europass Curriculum Vitae

Personal information

Surname(s) / First name(s)	**Cogumbreiro, Tiago**
Email(s)	cogumbreiro@di.fc.ul.pt
Nationality(-ies)	Portuguese

Education and training

Dates	20010–2013 (expected)
Title of qualification awarded	Doutor em Informática (PhD)
Name and type of organisation providing education training	Faculdade de Ciências da Universidade de Lisboa
Dates	2007–2009
Title of qualification awarded	Mestre em Informática (MSc)
Name and type of organisation providing education training	Faculdade de Ciências da Universidade de Lisboa
Dates	2002–2007
Title of qualification awarded	Licenciado em Ciências e Tecnologia da Computação (BSc)
Name and type of organisation providing education training	Universidade dos Açores
Dates	2011
School name and location	UPMARC Summer School on programming languages for concurrent & parallel computing, held in Bosön, Sweden
Dates	2009
School name and location	MiNEMA Winter School on middleware for network eccentric and mobile applications, held in Göteborg, Sweeden
Dates	2008
School name and location	Trends in Concurrency Summer School on concurrent systems design and implementation, held in Prague, Czech Republic

Publications

Types for X10 Clocks. Francisco Martins, Vasco T. Vasconcelos, and Tiago Cogumbreiro. Proceedings of PLACES'10, EPTCS, 2011. To appear.

Type Inference for Deadlock Detection in a Multithreaded Typed Assembly Language. Vasco T. Vasconcelos, Francisco Martins, and Tiago Cogumbreiro. Proceedings of PLACES'09, EPTCS, 17:95–109, 2010. DOI: 10.4204/EPTCS.17.8

Compiling the π-calculus into a multithreaded typed assembly language. Tiago Cogumbreiro, Francisco Martins, and Vasco T. Vasconcelos. Proceedings of PLACES'08, ENTCS, 241:57–84, 2009. DOI: 10.1016/j.entcs.2009.06.004

Presentations

Compiling the π-calculus into a Multithreaded Typed Assembly Language, PLACES'10 Workshop, held in Paphos, Cyprus, in 2010. *Types for X10 Clocks*, PLACES'08 Workshop, held in Oslo, Norway, in 2008.

Conferences & workshops attended

Behavioural Types Workshop, held in Lisbon, Portugal, in 2011. Workshop on High Performance Computing, held in Coimbra, Portugal, in 2010. DisCoTec'09, held in Lisbon, Portugal, in 2009 (student volunteer). CONCUR'07, held in Lisbon, Portugal, in 2007 (student volunteer).

Project participations

Dates	2008–2011
Main activities and responsibilities	With Luís Lopes, Francisco Martins, Hervé Paulino, Duarte Vieira, and Pedro Gomes. Participated in the development of a process calculi for sensor networks building on formalisms for concurrent distributed systems and mobile code (most notably, pi-calculus). Implemented a compiler with a typechecker and a virtual-machine.
Name of the project	Callas, Calculi and Languages for Sensor Networks, PTDC/EIA/71462/2006
Dates	2006–present
Main activities and responsibilities	With Vasco Vasconcelos and Francisco Martins. MIL (Multithreaded Intermediate Language) is an assembly language targeted at an abstract multi-processor equipped with a shared main memory. The language is typed and multithreaded. Participated in the development of the type system, the typechecker, and the interpreter.
Name of the project	MIL

Grants

Dates	January 2010–Present
Occupation or position held	Research Scholarship (BD)
Main activities and responsibilities	Studying on how to program multicores safely. Includes studying compilation strategies for high-level concurrent languages. Ongoing work on the formalisation of the X10 language. Technologies used: C, Python, and POSIX Threads.
Name and address of employer	LaSIGE

Dates	April 2008–December 2009
Occupation or position held	Research Scholarship (BIC and BI)
Main activities and responsibilities	Developed a typechecker, an interpreter, a virtual machine, and a compiler for the prototype language Callas, a module-based language for Wireless Sensor Networks. Formalised the translation function. Technologies used: Java, JavaCUP, JFlex, Ant, JUnit, and Mockito.
Name and address of employer	LaSIGE

Dates	September 2006–May 2007
Occupation or position held	Research Scholarship (BIC)
Main activities and responsibilities	Developed a compiler for the prototype language MIL, a multithreaded typed assembly. The compiler generates MIL from the π-calculus. Technologies used: Java, JavaCUP, JFlex, Maven, JUnit, and Easy- Mock.
Name and address of employer	CITI

Personal skills and competences

Mother tongue(s) **Portuguese**

Other language(s) English

Self-assessment *European level*(*)	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C1 Proficient User	C2 Proficient User	C2 Proficient User	C2 Proficient User	C2 Proficient User

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

Additional information

References: References available upon request.