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### Academic education

- 2001 PhD Thesis: Partial Evaluation of Multi-Paradigm Declarative Languages: Foundations, Control, Algorithms and Efficiency. Technical University of Valencia, Spain  
Supervisors: Prof. Dr. María Alpuente and Prof. Dr. Germán Vidal
- 1998 Master Thesis: A Partial Evaluator for Functional Logic Languages  
University of Udine, Italy (under the Erasmus program)  
Supervisors: Prof. María Alpuente, Prof. Moreno Falaschi and Prof. Germán Vidal

### Professional record

- 2018 – today Full Professor, Complutense University of Madrid  
2002 – 2018 Associate Professor, Complutense University of Madrid  
2001 – 2002 Lecturer, Technical University of Valencia  
1999 – 2001 Assistant Professor Technical University of Valencia

### Key figures:

- Number of publications in journals (DBLP): 41  
Number of publications in refereed proceedings (DBLP): 98  
Number of citations (Google scholar): 3177  
H-index (Google scholar): 29

### Supervision of PhD students

- Miguel Gómez-Zamalloa (October 2006-2009, UCM). Transformation and Analysis of Object-Oriented Bytecode.
- Jose Miguel Rojas Siles (October 2009-2012, UCM). CLP-based Resource-driven Test Case Generation.
- Guillermo Román Díez (October 2010-2013, UCM). Verified, Incremental Resource Usage Bounds.
- Miguel Isabel (October 2016-2020, UCM). Ongoing (Testing of Concurrent Programs.)
- Pablo Gordillo (October 2016-2020, UCM). Static Analysis of Concurrent and Distributed Systems.)

### Conference PC chair

- 23rd International Conference on Logic for Programming, Artificial Intelligence and Reasoning ([LPAR-23](#)), Alicante, Spain, May 2020
- 36th IFIP International Conference on Formal Techniques for Distributed Objects, Components and Systems (FORTE 2016), Greece, June 2016
- 17th International Symposium on Principles and Practice of Declarative Programming (PPDP 2015)
- 11th International Conference on integrated Formal Methods (iFM 2014)
- ACM SIGPLAN 2013 Workshop on Partial Evaluation and Program Manipulation (PEPM 2013)
- 22nd International Symposium on Logic-Based Program Synthesis and Transformation (LOPSTR'12).
- 4th International Workshop on Bytecode Semantics, Verification, Analysis and Transformation (Bytecode 2009). York, UK.
- 10th International ACM SIGPLAN Symposium on Principles and Practice of Declarative Programming (PPDP 2008). Valencia, Spain

### Invited talks

- ICST'20: Smart, and also reliable and gas-efficient, contracts, March 2020
- ICLP'18: Avoiding redundancies in the exploration of concurrent programs, July 2018
- ICE'18: CDPOR: Avoiding redundancies in the exploration of concurrent programs, June 2018

- PPDP'16: Testing of Concurrent and Imperative Software using CLP, September 2016
- FM'15: Resource Analysis: From Sequential to Concurrent and Distributed Programs, June 2015
- LPAR-18: Automatic Inference of Resource Consumption Bounds, March 2012
- WST'10: From Termination to Cost (in Object-Oriented Languages), July 2010
- QA'09: Upper Bounds on Memory Usage for Garbage-Collected Languages. Workshop on Quantitative Analysis of Software (QA 2009). Grenoble, France, 2009.

### **Participation in research Projects (as principal investigator)**

- EU projects: Envisage Project Ref. FP7-ICT-610582 (Oct 2013-2016)
- Spanish projects: Spanish MINECO projects VIVAC TIN2012-38137 (Jan 2012-June 2017), LOBASS TIN2015-69175-C4-2-R (Jan 2016-Dec 2018), and FreeTech RTI2018-094403-B-C31 (Jan 2019-Dec 2021)
- Regional projects: Madrid Regional projects SICOMORO S2013/ICE-3006 and FORTE-CM S2018/TCS-4314.

### **Research Stays**

- Pre-doctoral research stay at Udine's University with Moreno Falaschi from Feb 2008-May 2008
- Pre-doctoral research stay in RWTH Aachen with Michael Hanus from Feb 2009-April 2009
- Pre-doctoral Research stay in PSU with Sergio Antoy from Feb 2000-April 2000
- Pre-doctoral Research stay in JSPS with Robert Glueck in April 2001
- Postdoc Research stay in University of Melbourne with Peter Stuckey from Feb 2002-Jun 2002
- Postdoc Research stay in New Mexico University with Deepak Kapur from Aug 2003-Dec 2003
- Postdoc Research stay in Roskilde University with John Gallagher from Aug 2004-Dec 2004
- Research stay in University College London from August 2017-January 2018