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Qualifications

Agregação in Computer Science
Award Date: 6 Jun 2008

PhD in Computer Science, Doctorate, Semantics of Logic Programs with Explicit Negation, Universidade NOVA de Lisboa
Award Date: 18 Oct 1993

Informatics Engineering, Bachelor
Award Date: 15 Jul 1989

Since 2010, I'm a Professor in the Department of Computer Science, at the Faculdade de Ciências e Tecnologia/Universidade NOVA de Lisboa, after being an Associate Professor since 2000.

Since 2015, I'm a researcher at the NOVA Laboratory for Computer Science and informatics (NOVA LINCS), where I also coordinate the Knowledge-Based Systems group. NOVA LINCS resulted from joining the core researcher of two previously existing centre in the department, one of them being the Artificial Intelligence Centre of Universidade Nova de Lisboa (CENTRIA), in which I was the director. From 2001 until the beginning of 2005 I was a member of the Executive Committee of the Department of Computer Science. From February 2005 to September 2007, I was the co-ordinator of the degree in Informatics Engineering at FCT-NOVA. From September 2009 to September 2011, I was Head of the Computer Science Department.

Since then I'm Vice-Dean of FCT-NOVA.

In 2012 I was nominated ECCAI fellow.

After doing my Ph.D. in Computer Science, back in October 1993, and until becoming Associate Professor at Universidade Nova de Lisboa, I was Assistant Professor in the Department of Mathematics at the University of Évora. There, besides teaching and research, I helped on the setting up of a new Computer Science degree, first, and of a Department of Computer Science, afterwards. I was also Head of the Mathematics Department, Director of the Departmental Area of Exact Sciences (between 1995 and 1997), and responsible in Évora for the M.Sc. in Applied Artificial Intelligence (joint organized by Universidade de Évora and Universidade Nova de Lisboa).

My main research interests are within the area of Artificial Intelligence. More specifically, my interests have been focused on Logic Programming, Non-Monotonic Reasoning, Knowledge Representation, Model Based Diagnosis. Recently, a great part of my research work is directed towards the problem of Knowledge Base Updates and on Evolution and Reactivity in the Web this latter topic being the main focus of a working group of EU project Rewerse. I wrote a number of papers, and had some projects, on these subjects. I've also organized a couple of conferences and served in editorial boards of journals and programme committees of conferences in these areas (cf. my C.V.).

I have been approved in the "Agregação" exam in June 2008.

I am a member of the portuguese AI association APPIA.

Employment

Full Professor

DI - Departamento de Informática
Universidade NOVA de Lisboa
Portugal
10 Apr 2000 → present

Researcher

NOVALincs
Universidade NOVA de Lisboa
Portugal
1 Jan 2015 → present

Researcher

CENTRIA – Centro de Inteligência Artificial

Research output

Preface to PADL

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Combining transactions and automatic repairs

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"PERFIL CURRICULAR" - A DIFFERENT ACADEMIC YEAR IN PORTUGAL

Pereira, J. M. P. L., Alferes, J. J. & Santana, F., Mar 2017.

Preface

Alferes, J. J., Bertossi, L., Governatori, G., Fodor, P. & Roman, D., 2016, In: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). 9718, p. V-VII

A procedure for an event-condition-transaction language

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How to combine event stream reasoning with transactions for the semantic web

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A goal-directed implementation of query answering for hybrid MKNF knowledge bases

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Preserving strong equivalence while forgetting

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Transaction Logic with (Complex) Events

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Decidability and implementation of parametrized logic programs

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Equivalence of defeasible normative systems

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Query-driven procedures for Hybrid MKNF knowledge bases

Alferes, J. J., Knorr, M. & Swift, T., Jun 2013, In: *Acm Transactions On Computational Logic*. 14, 2, 16.

Deontic logic programs

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Extending Transaction Logic with External Actions

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External transaction logic with automatic compensations

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Specifying and reasoning about normative systems in deontic logic programming

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Parametrized equilibrium logic

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A proposal for transactions in the semantic web

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Evolving logic programs with temporal operators

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Parametrized logic programming

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Evolving reactive logic programs

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A Coherent Well-founded Model for Hybrid MKNF Knowledge Bases

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Evolving logic programming based agents with temporal operators

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Towards tractable local closed world reasoning for the semantic web

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A Well-founded Semantics for Hybrid MKNF Knowledge Bases

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An event-condition-action logic programming language

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Implementation of a complex event engine for the web

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The Refined Extension Principle for Semantics of Dynamic Logic Programming

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An ontology- and resources-based approach to evolution and reactivity in the Semantic Web

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Operational semantics for DyLPs

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Activities

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