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Qualifications

Agregação in Computer Science
Award Date: 6 Jun 2008

PhD in Computer Science, Doctorate, 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

Alferes, J. J. & Johansson, M., 1 Jan 2019, In : Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). 11372 LNCS, p. V-VI

Telco Network Inventory Validation with NoHR

Kasalica, V., Gerochristos, I., Alferes, J. J., Gomes, A. S., Knorr, M. & Leite, J., 1 Jan 2019, *Logic Programming and Nonmonotonic Reasoning - 15th International Conference, LPNMR 2019, Proceedings*. Balduccini, M., Woltran, S. & Lierler, Y. (eds.). Cham: Springer Verlag, p. 18-31 14 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 11481 LNAI).

Combining transactions and automatic repairs

Gomes, A. S. & Alferes, J. J., 20 Apr 2018, In : Journal Of Logic And Computation. 28, 3, p. 525-550 26 p.

"PERFIL CURRICULAR" - A DIFFERENT ACADEMIC YEAR IN PORTUGAL

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

A procedure for an event-condition-transaction language

Gomes, A. S. & Alferes, J. J., 2015, *Web Reasoning and Rule Systems - 9th International Conference, RR 2015, Proceedings*. Springer-Verlag, Vol. 9209. p. 113-129 17 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 9209).

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

Gomes, A. S. & Alferes, J. J., 2015, *Rule Technologies: Foundations, Tools, and Applications - 9th International Symposium, RuleML 2015, Proceedings*. Springer-Verlag, Vol. 9202. p. 258-273 16 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 9202).

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

Gomes, A. S., Alferes, J. J. & Swift, T., 2014, In : Theory and Practice of Logic Programming. 14, 2, p. 239-264 26 p.

Preserving strong equivalence while forgetting

Knorr, M. & Alferes, J. J., 2014, *LOGICS IN ARTIFICIAL INTELLIGENCE, JELIA 2014*. Vol. 8761. p. 412-425 14 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 8761).

Transaction Logic with (Complex) Events

Alferes, J. J. & Gomes, A. S., 2014. 25 p.

Decidability and implementation of parametrized logic programs

Gonçalves, R. & Alferes, J. J., 22 Oct 2013, *Logic Programming and Nonmonotonic Reasoning - 12th International Conference, LPNMR 2013, Proceedings*. Cabalar, P. & Son, T. C. (eds.). Berlin, Heidelberg: Springer Verlag, p. 361-373 13 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 8148 LNAI).

Equivalence of defeasible normative systems

Alferes, J. J., Gonçalves, R. & Leite, J., 1 Jun 2013, In : Journal Of Applied Non-Classical Logics. 23, 1-2, p. 25-48 24 p.

Deontic logic programs

Gonçalves, R. & Alferes, J. J., 1 Jan 2013, p. 1333-1334. 2 p.

Extending Transaction Logic with External Actions

Alferes, J. J. A., 1 Jan 2013, In : Theory And Practice Of Logic Programming. 13, 4-5-Online-Supplement, p. 1-15

External Transaction Logic with Automatic Compensations

Alferes, J. J. A., 1 Jan 2013, *Lecture Notes in Artificial Intelligence*. p. 239-255

Forgetting under the Well-Founded Semantics

Alferes, J. J. A. & Knorr, M., 1 Jan 2013, *Lecture Notes in Computer Science*. p. 36-41

An embedding of input-output logic in deontic logic programs

Gonçalves, R. & Alferes, J. J., 15 Aug 2012, *Deontic Logic in Computer Science - 11th International Conference, DEON 2012, Proceedings*. Ágotnes, T., Broersen, J. & Elgesem, D. (eds.). Berlin, Heidelberg: Springer Verlag, p. 61-75 15 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 7393 LNAI).

Specifying and reasoning about normative systems in deontic logic programming

Alferes, J. J. A., 1 Jan 2012, *International Foundation for Autonomous Agents and Multiagent Systems*. p. 1423-1424

Querying OWL 2 QL and non-monotonic rules

Knorr, M. & Alferes, J. J., 2 Nov 2011, *The Semantic Web, ISWC 2011 - 10th International Semantic Web Conference, Proceedings*. Aroyo, L., Welty, C., Alani, H., Taylor, J., Bernstein, A., Kagal, L., Noy, N. & Blomqvist, E. (eds.). PART 1 ed. Berlin, Heidelberg: Springer-Verlag, p. 338-353 16 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 7031 LNCS, no. PART 1).

Local closed world reasoning with description logics under the well-founded semantics

Knorr, M., Alferes, J. J. & Hitzler, P., 1 Jun 2011, In : Artificial Intelligence. 175, 9-10, p. 1528-1554 27 p.

Parametrized equilibrium logic

Gonçalves, R. & Alferes, J. J., 13 May 2011, *Logic Programming and Nonmonotonic Reasoning - 11th International Conference, LPNMR 2011, Proceedings*. Delgrande, J. P. & Faber, W. (eds.). Springer Verlag, p. 236-241 6 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 6645 LNAI).

A Proposal for Transactions in the Semantic Web

Alferes, J. J. A., 1 Jan 2011, *Lecture Notes in Computer Science*. p. 690-703

Evolving Logic Programs with Temporal Operators

Royval, A. G., Leite, J. A. C. P. & Alferes, J. J. A., 1 Jan 2011, *Logic Programming, Knowledge Representation, and Nonmonotonic Reasoning: Essays in Honor of Michael Gelfond*. Balduccini, M. & Son, T. (eds.). Berlin Heidelberg: Springer, p. 193-212 (LNCS/LNAI; no. 6565).

Transaction Logic with External Actions

Alferes, J. J. A., 1 Jan 2011, *Lecture Notes in Computer Science*. p. 272-277

Declarative Semantics for the Rule Interchange Format Production Rule Dialect

Damásio, C. A. I. P. V., Leite, J. A. C. P. & Alferes, J. J. A., 1 Jan 2010, *Lecture Notes in Computer Science*. p. 798-813

Implementing Query Answering for Hybrid MKNF Knowledge Bases

Alferes, J. J. A., 1 Jan 2010, *Lecture Notes in Computer Science*. Vol. 5937. p. 25-39

Parametrized Logic Programming

Alferes, J. J. A., 1 Jan 2010, *Lecture Notes in Computer Science*. p. 182-194

Querying in \mathcal{EL}^+ with nonmonotonic rules

Knorr, M. & Alferes, J. J., 1 Jan 2010, *ECAI 2010 - 19th European Conference on Artificial Intelligence*. Coelho, H., Studer, R. & Wooldridge, M. (eds.). {IOS} Press, p. 1079-1080 2 p. (Frontiers in Artificial Intelligence and Applications; vol. 215).

Queries to hybrid MKNF knowledge bases through oracular tabling

Alferes, J. J., Knorr, M. & Swift, T., 1 Dec 2009, *The Semantic Web, ISWC 2009 - 8th International Semantic Web Conference, ISWC 2009, Proceedings*. Bernstein, A., Karger, D. R., Heath, T., Feigenbaum, L., Maynard, D., Motta, E. & Thirunarayan, K. (eds.). Berlin, Heidelberg: Springer-Verlag, p. 1-16 16 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 5823 LNCS).

A Logic Programming System for Evolving Programs with Temporal Operators

Royval, A. G., Leite, J. A. C. P. & Alferes, J. J. A., 1 Jan 2009, *Lecture Notes in Computer Science*. Vol. 5816. p. 101-112

An architecture for Idea Generation in Smart Meeting Rooms

Freitas, C. F., Ramos, C. & Alferes, J. J. A., 1 Jan 2009, *Ambient Intelligence and Smart Environments*. Vol. 5. p. 159-166 8 p.

Evolution and Reactivity in the Semantic Web

Alferes, J. J. A., 1 Jan 2009, *Lecture Notes in Computer Science*. Bry, F. & Maluszynski, J. (eds.). Springer, Vol. 5500. p. 161-200

Resource allocation with answer-set programming

Leite, J. A. C. P. & Alferes, J. J. A., 1 Jan 2009, *IFAAMAS*. Sierra, C., Castelfranchi, C., Decker, KS. & Sichman, JS. (eds.). IFAAMAS, Vol. 1. p. 649-656

Evolving reactive logic programs

Alferes, J. J. A., Banti, F. & Brogi, A., 2009, In : *Intelligenza Artificiale*. 487, p. 60-64 5 p.

A Coherent Well-founded Model for Hybrid MKNF Knowledge Bases

Knorr, M., Alferes, J. J. A. & Hitzler, P., Jun 2008, *Frontiers in Artificial Intelligence and Applications*. Vol. 178. p. 99-103 5 p.

Evolving logic programming based agents with temporal operators

Alferes, J. J. A., Royval, A. G. & Leite, J. A. C. P., 1 Jan 2008, *Web Intelligence*. p. 238 - 244 7 p.

Non-markovian agent evolution with EVOLP

Alferes, J. J. A., Royval, A. G. & Leite, J. A. C. P., 1 Jan 2008, *Dagstuhl Seminar Proceedings*. p. 13

Towards Reactive Semantic Web Policies: Advanced Agent Control for the Semantic Web

Alferes, J. J. A., Amador, R. & Kärger, P., 1 Jan 2008, *CEUR WS-proceedings*. Vol. 401. p. 0

Towards tractable local closed world reasoning for the semantic web

Knorr, M., Alferes, J. J. & Hitzler, P., 1 Dec 2007, *Progress in Artificial Intelligence - 13th Portuguese Conference on Artificial Intelligence, EPIA 2007 Workshops: GAIW, AIASTS, ALEA, AMITA, BAOSW BI, CMBSB, IROBOT, MASTA, STCS, and TEMA, Proceedings*. Neves, J., Santos, M. F. & Machado, J. M. (eds.). Springer-Verlag, p. 3-14 12 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 4874 LNAI).

Special Issue arising from the 9th European Conference on Logics in Artificial Intelligence, JELIA'2004

Alferes, J. J. A. & Leite, J. A. C. P., Sep 2007, In : *Journal Of Applied Logic*. 5, 3, p. 389-391 3 p.

An argumentation-based negotiation for distributed extended logic programs

Alferes, J. J. A., 1 Jan 2007, *Lecture Notes in Artificial Intelligence*. Inoue, K., Satoh, K. & Toni, F. (eds.). Vol. 4371. p. 191-210

Argumentation-based Proof for an Argument in a Paraconsistent Setting

Alferes, J. J. A., 1 Jan 2007, *O*. p. 64-79

A Well-founded Semantics for Hybrid MKNF Knowledge Bases

Knorr, M., Alferes, J. J. A. & Hitzler, P., 1 Jan 2007, *CEUR Workshop Proceedings*. Vol. 250. p. 347-354 8 p.

r(3) - A foundational ontology for reactive rules

Alferes, J. J. A., 1 Jan 2007, *Lecture Notes in Computer Science*. Meersman, R. & Tari, Z. (eds.). Vol. 49803. p. 933-952

An event-condition-action logic programming language

Alferes, J. J. A., Banti, F. & Brogi, A., 1 Jan 2006, *Lecture Notes in Artificial Intelligence*. Vol. 4160. p. 29-42 14 p.

Implementation of a complex event engine for the web

Alferes, J. J. A., 1 Jan 2006, *IEEE Services Computing Workshops*. p. 65-72 8 p. 4027014

Principles and Practice of Semantic Web Reasoning, 4th International Workshop, PPSWR 2006

Alferes, J. J. A., 1 Jan 2006, Budva, Montenegro: Springer. (Lecture Notes in Artificial Intelligence; no. 4187)

Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics): Preface

Alferes, J. J., Bailey, J., May, W. & Schwertel, U., 2006, In : Revised Selected Papers 2009 - Euro-Par 2008 Workshops - Parallel Processing. 4187 LNCS, p. V-VI 2 p.

Reactivity on the Web

Bailey, J., Comai, S., May, W., Pătrănjă, P. L., Alferes, J. J. A., Berndtsson, M., Bonifati, A., Fraternali, P., Ludäscher, B., Schaffert, S., Spreeuwenberg, S., Vasiliu, L., Winslett, M., Damásio, C. V., Groza, T., Hasan, R., Lee, A., Termehchy, A. & Zhang, C., 2006, In : Revised Selected Papers 2009 - Euro-Par 2008 Workshops - Parallel Processing. 4254 LNCS

Active rules in the semantic web: Dealing with language heterogeneity

May, W., Alferes, J. J. & Amador, R., 1 Dec 2005, *Rules and Rule Markup Languages for the Semantic Web - First International Conference, RuleML 2005, Proceedings*. p. 30-44 15 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 3791 LNCS).

The Refined Extension Principle for Semantics of Dynamic Logic Programming

Alferes, J. J. A. & Leite, J. A. C. P., Feb 2005, In : *Studia Logica*. 79, 1, p. 7-32 26 p.

A general language for evolution and reactivity in the Semantic Web

Alferes, J. J. A., Amador, R. & May, W., 1 Jan 2005, *Lecture Notes in Computer Science*. Vol. 3703 LNCS. p. 101-115 15 p.

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

May, W., Alferes, J. J. A. & Amador, R., 1 Jan 2005, *Lecture Notes in Computer Science*. Vol. 3761. p. 1553-1570 18 p.

Operational semantics for DylPs

Banti, F., Alferes, J. J. A. & Brogi, A., 1 Jan 2005, *Lecture Notes in Artificial Intelligence*. Vol. 3808 LNCS. p. 43-54 12 p.

The well supported semantics for multidimensional dynamic logic programs

Banti, F., Alferes, J. J. A., Brogi, A. & Hitzler, P., 1 Jan 2005, *Lecture Notes in Computer Science*. Vol. 3662 LNAI. p. 356-368 13 p.

From logic programs updates to action description updates

Alferes, J. J. A., Banti, F. & Brogi, A., 2005, *Lecture Notes in Computer Science*. Vol. 3487 LNAI. p. 52-77 26 p.

Abduction in well-founded semantics and generalized stable models via tabled dual programs

Alferes, J. J. A., Pereira, L. M. S. M. & Swift, T., Jul 2004, In : Theory And Practice Of Logic Programming. 4, NA, p. 383-428 46 p.

Deductive Diagnosis of Digital Circuits

Alferes, J. J. A., Azevedo, F. D. M. E. C. A. D., Barahona, P. M. C. C. D., Damásio, C. A. I. P. V. & Swift, T., 1 Jan 2004, *IFIP World Computer Congress*. Vol. 154. p. 155-166 12 p.

Logics in Artificial Intelligence, 9th European Conference, JELIA 2004

Alferes, J. J. A. & Leite, J. A. C. P., 1 Jan 2004, Lisbon, Portugal: Springer. (Lecture Notes in Artificial Intelligence; no. 3229)

Semantics for dynamic logic programming: A principle-based approach

Alferes, J. J. A., Banti, F., Brogi, A. & Leite, J. A. C. P., 1 Jan 2004, *Lecture Notes in Computer Science*. Vol. 2923. p. 8-20 13 p.

Towards generic query, update, and event languages for the semantic web

May, W. & Alferes, J. J. A., 1 Jan 2004, *Lecture Notes in Computer Science*. Vol. 3208. p. 19-33 15 p.

Well founded semantics for logic program updates

Banti, F., Alferes, J. J. A. & Brogi, A., 1 Jan 2004, *Lecture Notes in Artificial Intelligence*. Vol. 3315. p. 397-407 12 p.

An evolvable rule-based e-mail agent

Alferes, J. J. A., Brogi, A., Leite, J. A. C. P. & Pereira, L. M., 1 Jan 2003, *Lecture Notes in Computer Science*. Vol. 2902. p. 394-408 15 p.

An Evolving Agent with EVOLP

Alferes, J. J. A., Brogi, A., Leite, J. A. C. P. & Pereira, L. M., 1 Jan 2003, *Declarative Programming*. p. 205-216

Logic programming for evolving agents

Alferes, J. J. A., Brogi, A., Leite, J. A. C. P. & Pereira, L. M., 1 Jan 2003, *Lecture Notes in Computer Science*. Vol. 2782. p. 281-297 17 p.

Semantic Web Logic Programming tools

Alferes, J. J. A., Damásio, C. A. I. P. V. & Pereira, L. M., 1 Jan 2003, *Lecture Notes in Computer Science*. Vol. 2901. p. 16-32 17 p.

A Language for Multi-dimensional Updates

Leite, J. A. C. P., Alferes, J. J. A., Pereira, L. M., Przymusinska, H. & Przymusinski, T. C., Oct 2002, In : Electronic Notes In Theoretical Computer Science. 70, 5, p. 20-38 19 p.

LUPS - A language for updating logic programs

Alferes, J. J., Pereira, L. M., Przymusinska, H. & Przymusinski, T. C., Jun 2002, *Logic programming and nonmonotonic reasoning*. Gelfond, M., Leone, N. & Pfeifer, G. (eds.). SPRINGER-VERLAG BERLIN, p. 87-116 30 p. (LECTURE NOTES IN ARTIFICIAL INTELLIGENCE; vol. 1730).

A compilation of updates plus preferences

Alferes, J. J. A., Dell'Acqua, P. & Pereira, L. M., 1 Jan 2002, *Lecture Notes in Artificial Intelligence*. Vol. 2424 LNAI. p. 62-74 13 p.

Computing environment-aware agent behaviours with logic program updates

Alferes, J. J. A., Brogi, A., Leite, J. A. C. P. & Pereira, L. M., 1 Jan 2002, *Lecture Notes in Computer Science*. Vol. 2372. p. 216-232 17 p.

Evolving logic programs

Alferes, J. J. A., Brogi, A., Leite, J. A. C. P. & Pereira, L. M., 1 Jan 2002, *Lecture Notes in Computer Science*. Vol. 2424 LNAI. p. 50-62 13 p.

Logic programming updating - A guided approach

Alferes, J. J. A. & Pereira, L. M., 1 Jan 2002, *Computational Logic: Logic Programming and Beyond, Essays in Honour of Robert A. Kowalski*. Kakas, A. C. & Sadri, F. (eds.). Springer: Springer, Vol. 2408. p. 382-412 31 p. (Lecture Notes in Computer Science; no. 2408).

LUPS - A language for updating logic programs

Alferes, J. J. A. & Pereira, L. M. S. M., 1 Jan 2002, In : *Artificial Intelligence*. 138, 1-2, p. 87-116

MINERVA - A dynamic Logic Programming agent architecture

Leite, J. A., Alferes, J. J. & Pereira, L. M., 2002, *Intelligent Agents VIII: Agent Theories, Architectures, and Languages - 8th International Workshop, ATAL 2001, Revised Papers*. Springer-Verlag, Vol. 2333 LNAI. p. 141-157 17 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 2333 LNAI).

Multi-dimensional Dynamic Knowledge Representation

Leite, J. A. C. P., Alferes, J. J. A. & Pereira, L. M., 1 Jan 2001, *Lecture Notes in Computer Science*. Springer, Vol. 2173. p. 365-378 14 p.

On the Use of Multi-dimensional Dynamic Logic Programming to Represent Societal Agents' Viewpoints

Leite, J. A. C. P., Alferes, J. J. A. & Pereira, L. M., 1 Jan 2001, *Lecture Notes in Computer Science*. Springer, Vol. 2258 LNAI. p. 276-289 14 p.

Multi-dimensional Dynamic Logic Programming

Leite, J. A. C. P., Alferes, J. J. A. & Pereira, L. M., 2001, *Computational Logic in Multi-Agent Systems*. p. 276-289 14 p.

Dynamic updates of non-monotonic knowledge bases

Alferes, J. J. A., Leite, J. A. C. P., Pereira, L. M., Przymusinska, H. & Przymusinski, T. C., Sep 2000, In : *Journal Of Logic Programming*. 45, 1, p. 43-70 28 p.

Dynamic knowledge representation and its applications

Alferes, J. J. A., Pereira, L. M., Przymusinska, H., Przymusinski, T. C. & Quaresma, P., 1 Jan 2000, *Lecture Notes in Computer Science*. Vol. 1904. p. 1-10 10 p.

Partial models of extended generalized logic programs

Alferes, J. J. A., Herre, H. & Pereira, L. M., 1 Jan 2000, *Lecture Notes in Computer Science*. Vol. 1861. p. 149-163 15 p.

Updates plus preferences

Alferes, J. J. A. & Pereira, L. M., 2000, *Lecture Notes in Artificial Intelligence*. M. O-A., I. P. D. G., G. B. & L. M. P. (eds.). Springer Verlag, Vol. 1919. p. 345-360 16 p.

Contradiction removal within well founded semantics

Pereira, L. M. & Alferes, J. J. A., Apr 1999, *MIT Press*. p. 105-119 15 p.

Dynamic Logic Programming

Alferes, J. J. A., Leite, J. A. C. P., Pereira, L. M., Przymusinska, H. & Przymusinski, T. C., Apr 1999, *Declarative Programming*. p. 393-408 16 p.

Continuing research in multi-agent systems

Decker, K., Fisher, M., Luck, M., Tennenholtz, M., Beer, M. D., Bench-Capon, T. J. M., Sixsmith, A., Ghidini, C., Serafini, L., Alonso, E., Norman, T. J., Sierra, C., Jennings, N. R., Edmonds, B., Schroeder, M., Mora, I., Alferes, J., Van Eijk, R.

M., De Boer, F. S., Van Der Hoek, W. & 1 others, Meyer, J. J. C., 1 Jan 1999, In : KNOWLEDGE ENGINEERING REVIEW. 14, 3, p. 279-283 5 p.

Well-founded abduction via tabled dual programs

Alferes, J. J. A., Pereira, L. M. & Swift, T., 1 Jan 1999, *MIT Press*. p. 426-440 15 p.

Special issue - Logics for artificial intelligence - Preface

Alferes, J. J. A. & Pereira, L. M., Apr 1998, In : Journal Of Automated Reasoning. 20, 1-2, p. 1-3 3 p.

'Classical' negation in nonmonotonic reasoning and logic programming

Alferes, J. J. A., Pereira, L. M. & Przymusinski, T. C., 1 Jan 1998, In : Journal Of Automated Reasoning. 20, 1-2, p. 107-142 46 p.

Argumentative and cooperative multi-agent system for extended logic programming

De Almeida Móra, I. & Alferes, J. J., 1998, *Advances in Artificial Intelligence - 14th Brazilian Symposium on Artificial Intelligence, SBIA 1998, Proceedings*. de Oliveira, F. M. (ed.). Springer-Verlag, Vol. 1515. p. 161-170 10 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 1515).

Update-programs can update programs

Alferes, J. J. A., 1 Jan 1997, *Lecture Notes in Artificial Intelligence*. Vol. 1216. p. 110-131

Vivid agents arguing about distributed extended logic programs

Schroeder, M., Móra, I. & Alferes, J. J., 1997, *Progress in Artificial Intelligence - 8th Portuguese Conference on Artificial Intelligence, EPIA 1997, Proceedings*. Springer-Verlag, Vol. 1323. p. 217-228 12 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 1323).

Belief revision in non-monotonic reasoning and logic programming

Alferes, J. J., Pereira, L. M. & Przymusinski, T. C., Nov 1996, In : Fundamenta Informaticae. 28, 1-2, p. 1-22 22 p.

Strong and explicit negation in non-monotonic reasoning and logic programming

Alferes, J. J. A., Pereira, L. M. & Przymusinski, T. C., 1 Jan 1996, *Lecture Notes in Artificial Intelligence*. Vol. 1126. p. 143-163 21 p.

A Logic Programming System for Non-monotonic Reasoning

Alferes, J. J. A., Damásio, C. A. I. P. V. & Pereira, L. M., Feb 1995, In : Journal Of Automated Reasoning. 14, 1, p. 93-147 55 p.

Belief revision in non-monotonic reasoning

Alferes, J., Pereira, L. M. & Przymusinski, T. C., 1 Jan 1995, *Progress in Artificial Intelligence - 7th Portuguese Conference on Artificial Intelligence, EPIA 1995, Proceedings*. Mamede, N. J. & Pinto-Ferreira, C. (eds.). Springer Verlag, p. 41-56 16 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 990).

Belief, provability, and logic programs

Alferes, J. J. & Pereira, L. M., 1995, In : Journal Of Applied Non-Classical Logics. 5, 1, p. 31-50 20 p.

Modelling diagnosis systems with the logic programming

de Almeida Móra, I. & Alferes, J. J., 1995, *Progress in Artificial Intelligence - 7th Portuguese Conference on Artificial Intelligence, EPIA 1995, Proceedings*. Springer-Verlag, Vol. 990. p. 409-418 10 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 990).

ADDING CLOSED WORLD ASSUMPTIONS TO WELL-FOUNDED SEMANTICS

Alferes, J. J. A. & Pereira, L. M. S. M., 1 Jan 1994, In : Theoretical Computer Science. 122, 1-2, p. 49-68

SLX - A TOP-DOWN DERIVATION PROCEDURE FOR PROGRAMS WITH EXPLICIT NEGATION

Damásio, C. A. I. P. V. & Alferes, J. J. A., 1 Jan 1994, *MIT PRESS SERIES IN LOGIC PROGRAMMING*. p. 424-438

Nonmonotonic reasoning with logic programming

Pereira, L. M. & Alferes, J. J. A., Nov 1993, In : *Journal Of Logic Programming*. 17, 2-4, p. 227-263 36 p.

Diagnosis and debugging as contradiction removal

Pereira, L. M., Damásio, C. A. I. P. V. & Alferes, J. J. A., 1 Jan 1993, *MIT Press*. p. 316-330

Optative reasoning with scenario semantics

Pereira, L. M. & Alferes, J. J. A., 1 Jan 1993, *MIT Press*. p. 601-615 15 p.

Scenario semantics of extended logic programs

Alferes, J. J. A., Pereira, L. M. & Dung, P. M., 1 Jan 1993, *MIT Press*. p. 334-348

ADDING CLOSED WORLD ASSUMPTIONS TO WELL-FOUNDED SEMANTICS

Alferes, J. J. A., 1 Jan 1992, In : *FIFTH GENERATION COMPUTER SYSTEMS 1992, VOLS 1 AND 2*. 1, NA, p. 562-569

Default theory for well founded semantics with explicit negation

Pereira, L. M. S. M. & Alferes, J. J. A., 1 Jan 1992, In : *LOGICS IN AI*. 633, NA, p. 339-356 18 p.

Well founded semantics for logic programs with explicit negation

Pereira, L. M. & Alferes, J. J. A., 1 Jan 1992, *John Wiley & Sons*. p. 102-106 5 p.

Hypothetical reasoning with well founded semantics

Pereira, L. M. & Alferes, J. J. A., May 1991, *IOS Press*. p. 289-300 12 p.

A practical introduction to well founded semantics

Alferes, J. J. A. & Pereira, L. M., 25 Mar 1991, *IOS Press*. p. 277-288 12 p.

Counterfactual reasoning based on revising assumptions

Pereira, L. M. & Alferes, J. J. A., 1 Jan 1991, *MIT Press*.

Nonmonotonic reasoning with well founded semantics

Pereira, L. M. & Alferes, J. J. A., 1 Jan 1991, *MIT Press*.

The extended stable models of contradiction removal semantics

Pereira, L. M. & Alferes, J. J. A., 1 Jan 1991, *Lecture Notes in Artificial Intelligence*. Vol. 541 LNAI. p. 105-119 15 p.

Activities

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