

# Bibliography

- [1] ESRI Shapefile Technical Description. An ESRI White Paper. Redlands : Environmental Systems Research Institute, Inc. 1988, [Online]: <http://www.esri.com/library/whitepapers/pdfs/shapefile.pdf> (consulted 8/10/05).
- [2] Kurt Buehler Ed. OpenGIS Reference Model (ORM), Date: 2003-03-04. Reference number: OGC 03-040. Version: 0.1.2. [Online]: <http://www.opengeospatial.org/docs/03-040.pdf> (consulted 8/10/05).
- [3] M. Balduccini and M. Gelfond. Logic Programs with Consistency-Restoring Rules. In : *Proceedings of the International Symposium on Logical Formalization of Commonsense Reasoning (AAAI 2003)*, pages 100-105, 2003.
- [4] C. Baral. *Knowledge representation, reasoning and declarative problem solving with Answer Sets*. Cambridge University Press, 2003. 544 pages. ISBN: 0521818028.
- [5] S. Baselice, P.A. Bonatti, and M. Gelfond. Towards an Integration of Answer Set and Constraint Solving. In : *Proceedings of the Eleventh International Conference on Principles and Practice of Constraint Programming (CP 2005)*, Barcelona, Spain, 2005.

- [6] G. Booch, J. Rumbaugh, and I. Jacobson. *The Unified Modeling Language User Guide*. Reading : Addison Wesley Longman, Inc, 1999. 482 pages. ISBN: 0-201-57168-4.
- [7] G. Brewka. Logic Programming with Ordered Disjunction. In *Proceedings of the 18th National Conference on Artificial Intelligence and 14th Conference on Innovative Applications of Artificial Intelligence (AAAI/IAAI 2002)*, pages 100-105, Edmonton, Alberta, Canada, 2002.
- [8] G. Brewka, S. Benferhat, and D. Le Berre. Qualitative choice logic. *Artificial Intelligence*, 2004, vol. 157, n° (1-2), pp. 203-237.
- [9] G. Brewka, I. Niemelä, and T. Syrjänen. Implementing Ordered Disjunction Using Answer Set Solvers for Normal Programs. In *Proceedings of the 8th European Workshop Logic in Artificial Intelligence (JELIA 2002)* , pages 444-455, Cosenza, Italy, 2002.
- [10] I. Cattinelli, M. L. Damiani, and A. Nucita Reasoning about Lava effusion: From Geographical Information Systems to Answer Set Programming. In *Proceedings of the 1st International Latin-American Workshop on Non-Monotonic Reasoning (LA-NMR 2004)*, Mexico City, D.F, Mexico, 2004. [Online]: <http://sunsite.informatik.rwth-aachen.de/Publications/CEUR-WS//Vol-92/cattinelli.pdf> (consulted 8/10/05).
- [11] P. R. Cohen and E. J. Feigenbaum. *The Handbook of Artificial Intelligence*, vol. 3. Stanford, Calif.: HeurisTech Press, 1982. ISBN: 0865760071.
- [12] J. Delgrande, T. Schaub, H. Tompits, and K. Wang. A Classification and Survey of Preference Handling Approaches in Nonmonotonic Reasoning. *Computational Intelligence*, 2004, vol. 20, n°2, pp. 308–334.

- [13] S. T. Erdogan and V. Lifschitz. Definitions in Answer Set Programming: (Extended Abstract). In : *Proceedings of the 19th International Conference of Logic Programming (ICLP 2003)*, Mumbai, India, 2003, pages 483-484.
- [14] M. Gelfond and V. Lifschitz. The Stable Model Semantics for Logic Programming. In : *Proceedings of the 5th International Conference and Symposium of Logic Programming (ICLP/SLP 1988)*, Seattle, Washington, USA, 1988, pages 1070-1080.
- [15] M. Gelfond and V. Lifschitz. Logic Program with Classical Negation. In *Proceedings of the 7th International Conference on Logic Programming*, Jerusalem, Israel, 1990, pages 579–597.
- [16] M. Gelfond and V. Lifschitz. Action Languages. *Electronic Transactions on Artificial Intelligence (ETAI)*, 1998, vol. 2 pp. 193-210.
- [17] M. R. Genesereth and N. J. Nilsson. *Logical Foundations of Artificial Intelligence*. Los Altos, Calif: Morgan Kaufmann Publishers. Inc, 1987. 407 pages. ISBN: 0-934613-31-1.
- [18] H. W. Hamacher and S. A. Tjandra. Mathematical Modelling of Evacuation Problems: A State of Art. Technical Report 24, Institut Techno-und Wirtschaftsmathematik, 2001, 44 pages.
- [19] M. Helmert. Complexity results for standard benchmark domains in planning. *Artificial Intelligence*, 2003, vol. 143, n°2, pp. 219-262.
- [20] A. C. Kakas and P. Mancarella. Generalized Stable Models: A Semantics for Abduction. In : *Proceedings of the 9th European Conference on Artificial Intelligence (ECAI 1990)*, Stockholm, Sweden, pages 385-391, 1990.

- [21] F. Kroger. *Temporal Logic of Programs*. Springer Verlag, 1987. 148 pages. ISBN: 0387170308.
- [22] N. Leone and S. Perri. Parametric connectives in disjunctive logic programming. In: *Proceedings of the 2nd Answer Set Programming, Advances in Theory and Implementation, Workshop (ASP 2003)*, Messina, Italy, 2003. pages 124-135.
- [23] P. A. Longley, M. F. Goodchild, D. J. Maguire, and D. W. Rhind. *Geographic Information Systems and Science*. Chichester : John Wiley & Sons, Inc, 2001. 454 pages. ISBN: 0-471-89275-0.
- [24] J.L. Macias, G. Carrasco-Nunez, H. Delgado, A.L. Martin, C. Siebe, and R.I. Tilling. Mapa de peligros del volcan Popocatepetl. Mapa e informe técnico al comité científico asesor de la Secretaria de Gobernación. Universidad Nacional Autonoma de Mexico & Centro Nacional de Prevencion de Desastres (UNAM-CENAPRED), 1995, Map with explanation booklet, 14 pages.
- [25] J. McCarthy. Concepts of logical Artificial Intelligence. Stanford University, 2000, 24 pages. [Online]: <http://www-formal.stanford.edu/jmc/concepts-ai.html> (consulted 8/10/05).
- [26] J. McCarthy and P. J. Hayes. Some philosophical problems from the standpoint of artificial intelligence. In B. Meltzer and D. Michie, editors, *Machine Intelligence 4*, Edinburgh University Press, 1969, pages 463–502.
- [27] E. Mendelson. *Introduction to Mathematical Logic*. 4th ed. London : Chapman & Hall 1997, 440 pages. ISBN: 0-412-80830-7.
- [28] J.C. Nieves, M. Osorio, C. Zepeda, and U. Cortes. Inferring acceptable arguments with Answer Set Programming. In *Proceedings of the 6th Mexican International*

- Conference on Computer Science (ENC 2005)*, Puebla, Mexico, 2005. pages 198–205,
- [29] N.J. Nilsson. *Principles of Artificial Intelligence*. Los Altos, Calif: Morgan Kaufmann Publishers. Inc., 1980. 476 pages. ISBN: 0-934613-10-9.
- [30] Office of the United Nations Disaster Relief Coordinator (UNDRO) and United Nations Educational Scientific Cultural Organization (UNESCO). Volcanic Emergency Management, United Nations, New York, 1985. [Online]: <http://volcanoes.usgs.gov/About/What/Reduce/DevelopPlans.html> (consulted 8/10/05).
- [31] M. Ortiz. ASP: from application development to syntax extensions. In *Proceedings of the 1st International Latin-American Workshop on Non-Monotonic Reasoning (LA-NMR 2004)*, Mexico City, D.F, Mexico, 2004. [Online]: <http://sunsite.informatik.rwth-aachen.de/Publications/CEUR-WS//Vol-92/claudia.pdf> (consulted 8/10/05).
- [32] M. Osorio, J. A. Navarro, and J. Arrazola. A logical approach to A-Prolog. *Electronic Notes in Theoretical Computer Science*, 2002, vol. 67 pp. 265-275.
- [33] M. Osorio, J. A. Navarro, and José Arrazola. Applications of intuitionistic logic in answer set programming. *Theory and Practice of Logic Programming (TPLP)*, 2004, vol.4, n°3, pp.325-354.
- [34] M. Osorio, J. A. Navarro, and José Arrazola. Safe beliefs for propositional theories. *Annals of Pure and Applied Logic*, 2005, vol.134, n°1, pp. 63-82.

- [35] M. Osorio, M. Ortiz, and C. Zepeda. Using CR-rules for evacuation planning. In *Proceedings of the IX Ibero-american Workshops on Artificial Inteligence*, Puebla, Mexico, 2004, pages 56–63.
- [36] M. Osorio and C. Zepeda. Towards the use of Semantic Contents in ASP for planning and diagnostic in GIS. In *Proceedings of the 2nd Answer Set Programming, Advances in Theory and Implementation, Workshop (ASP 2003)*, Messina, Italy, 2003, pages 345–355.
- [37] M. Osorio, C. Zepeda, D. Sol, and G. Lazzeri. A decision support system for disaster situations. In : Prastacos P, Murillo M. Eds., *Research on Computing Science e-Environment: Progress and Challenge*. Mexico : IPN, Mexico, 2004, volume 11, pages 97-116.
- [38] D. Pearce. Stable inference as intuitionistic validity. *Journal of Logic Programming (JLP)*, 1999, vol.38, n°1, pp. 79-91.
- [39] T. C. Przymusiński. Stable semantics for disjunctive programs. *Special issue of the New Generation Computing Journal*, 1991, vol. 9, n° 3/4, pp. 401-424.
- [40] R. Pucella. Logic column 11: The finite and the infinite in temporal logic. *ACM SIGACT News*, 2005, vol. 36, n° 1, pp.86–99.
- [41] S. Russell and P. Norvig. *Artificial Intelligence: A Modern Approach*. . Englewood cliffs: Prentice Hall, 1995. 932 pages. ISBN: 0-13-103805-2.
- [42] D. Sol and A. Razo. Natural hazards in the Popocatepetl volcano zone. In *Proceedings of the 21st Annual ESRI International User Conference*, San Diego, CA, USA, 2001. [Online]:

<http://gis.esri.com/library/userconf/proc01/professional/abstracts/a660.html>  
(consulted 8/10/05).

- [43] T. Cao Son and E. Pontelli. Planning with preferences using logic programming. In *Proceedings of the Logic Programming and Nonmonotonic Reasoning, 7th International Conference (LPNMR 2004)*, Fort Lauderdale, FL, USA, 2004, pages 247–260.
- [44] T. Syrjanen. *Lparse 1.0. User's Manual*, Free Software Foundation, Inc. 1998. 95 pages. [Online]: <http://www.tcs.hut.fi/Software/smodels/> (consulted 8/10/05).
- [45] D. van Dalen. *Logic and Structure*. Springer, 1980. 259 pages. ISBN: 3-540-20879-8.
- [46] C. Zepeda, M. Osorio, J.C. Nieves, C. Solnon, and D. Sol. Applications of preferences using Answer Set Programming. In *Proceedings of the Answer Set Programming: Advances in Theory and Implementation Workshop (ASP 2005)*, Bath, UK, 2005, pages 318–332.
- [47] C. Zepeda, M. Osorio, and D. Sol. Towards the use of CR-rules and Semantic Contents in ASP for planning in GIS. Technical Report RR-2004-010, Université Lyon I, 2004. 10 pages.
- [48] C. Zepeda, M. Osorio, and D. Sol. Modeling evacuation planning using a-prolog. In *Proceedings of the 15th International Conference on Electronics, Communications, and Computers (CONIELECOMP 2005)*, Puebla, Mexico, 2005, Pages 292–297.
- [49] C. Zepeda, M. Osorio, D. Sol, and C. Solnon. Extending PP language: An answer set planning problem language. In *Proceedings of the Avances en la ciencia de*

*la computacion Workshop, 6th Mexican International Conference on Computer Science (ENC 2005)*, Puebla, Mexico, 2005, pages 57–62.

- [50] C. Zepeda, C. Solnon, and D. Sol. Planning operation: An extension of a Geographical Information System. In *Proceedings of the 1st International Latin-American Workshop on Non-Monotonic Reasoning (LA-NMR 2004)*, Mexico City, D.F., Mexico, 2004. [Online]: <http://sunsite.informatik.rwth-aachen.de/Publications/CEUR-WS//Vol-92/claudia.pdf> (consulted 8/10/05).