

NICOLA OLIVETTI

PUBLICATIONS

Ouvrages

1. G. Metcalfe, N. Olivetti, D. Gabbay. Proof Theory for Fuzzy Logics, Applied Logic Series, vol. 36, Springer, 2009.
2. D. M. Gabbay and N. Olivetti. Goal-Directed Proof-Theory. Applied Logic Series vol. 21. Kluwer Academic Publisher, 2000.

Chapitres d’Ouvrages

3. G. Metcalfe, N. Olivetti. Goal-Directed Methods for Fuzzy Logics. in : Festschrift in honour of Dov Gabbay's 60th birthday, Sergei Artemov, Howard Barringer, Luis Lamb and John Woods (eds.), vol. II, pp. 307- 330, King's College Publications, 2005.
4. D. Gabbay and N. Olivetti. Interpolation in Goal-directed Proof-Systems I. In Proc. of Logic Colloquium 2001 , (LC01). Association for Symbolic Logic, Lecture Notes in Logic, pages 170-216, 2005.
5. D. Gabbay and N. Olivetti. Goal oriented deductions. In D. Gabbay and F. Guenthner, editors, Handbook of Philosophical Logic, volume 9, pages 199-285. Kluwer Academic Publishers, second edition, 2002.
6. N. Olivetti. Tableaux for nonmonotonic logics. In M. D'Agostino et al., editor, Handbook of Tableau Methods. Kluwer Academic Publisher, 1999.

National:

7. T. Boy de La Tour, R. Caferra, N. Olivetti, N. Peltier, C. Schwind. Déduction automatique. In: Marquis Pierre, Papini Odile Prade Henri. L'I.A. frontières et Applications -- Volume 2. Algorithmes pour l'intelligence artificielle, Cépaduès éditions, 2014.

Direction d’ouvrages

8. N. Olivetti, "Special Issue on Tableaux and Analytic Proof Methods" , in : Journal of Logic and Computation, Oxford University Press, Vol. 20(1).
9. N. Olivetti, "Automated Reasoning with Analytic Tableaux and Related Methods, Proc. of 16th International Conference, TABLEAUX 2007", Springer, LNAI 2007 4548.

Revues internationales avec comité de lecture

10. L. Giordano, V. Gliozzi, N. Olivetti, G. L. Pozzato, "Semantic characterization of rational closure: From propositional logic to description logics". **Artificial Intelligence**. 226: 1-33, (2015).
11. L. Giordano, V. Gliozzi, N. Olivetti, G. L. Pozzato, A non-monotonic Description Logic for reasoning about typicality. **Artificial Intelligence** 195: 165-202 (2013).
12. R. Alenda, N. Olivetti, and G.L. Pozzato, "Nested sequent calculi for normal conditional logics". **Journal of Logic Computation (JLC)**, 26 (1): 7-50. doi: 10.1093/logcom/ext034, (2016), (publié online par JLC le 13/09/2013).
13. G. Metcalfe, N. Olivetti: Towards a Proof Theory of Gödel Modal Logics. **LMCS Logical Methods in Computer Science** 7(2) , 2011.

14. L. Giordano, V. Gliozzi, N. Olivetti, G.L. Pozzato. ALC + T: a Preferential Extension of Description Logics, **Fundamenta Informaticae**, Vol. 96, pp. 341-372, 2009.
15. L. Giordano, V. Gliozzi, N. Olivetti, C. Schwind. Tableau calculus for preference-based conditional logics : PCL and its extensions, ACM Transactions on Computational Logic (**TOCL**), Vol. 10 2009.
16. L. Giordano, V. Gliozzi, N. Olivetti, G.L. Pozzato. Analytic Tableaux for KLM Preferential and Cumulative Logics, ACM Transactions on Computational Logic (**TOCL**), Vol. 10 2009.
17. N. Olivetti, G.L. Pozzato Theorem Proving for Conditional Logics: CondLean and GoalDUCK, Journal of Applied Non-Classical Logics (**JANCL**), Vol. 18, pp. 427-473, 2008.
18. N. Olivetti, G. Pozzato, C. Schwind. A Sequent Calculus and a Theorem Prover for Standard Conditional Logics. ACM Transaction on Computational Logic (**TOCL**), 8(4), 2007.
19. G. Metcalfe, N. Olivetti, D. Gabbay. Lukasiewicz Logic: From Proof Systems To Logic Programming. In : **Logic Journal of IGPL**, 13(5) : 561-585, 2005.
20. L. Giordano, V. Gliozzi, N. Olivetti. Weak AGM postulates and strong Ramsey Test : A logical formalization. **Artificial Intelligence**, 168(1) : 1-37, 2005.
21. G. Metcalfe, N. Olivetti, D. M. Gabbay. Sequent and hypersequent calculi for Abelian and Lukasiewicz logics. ACM Transaction on Computational Logic (**TOCL**), 6(3) : 578-613, 2005.
22. G. Metcalfe, N. Olivetti and D. Gabbay. Analytic Calculi for Product Logics. Archive for Mathematical Logic (**AML**), 43 : 859-889, 2004.
23. N. Olivetti. Tableaux for Lukasiewicz infinite-valued logic. **Studia Logica**, 73(1) :81-111, 2003.
24. P. A. Bonatti and N. Olivetti. Sequent calculi for propositional Nonmonotonic logics. ACM Transactions on Computational Logic (**TOCL**), 3(2) :226-278, 2002.
25. L. Giordano, V. Gliozzi, and N. Olivetti. Iterated Belief Revision and Conditional Logic. **Studia Logica**, 70(1) :23-47, 2002.
26. D. M. Gabbay, L. Giordano, A. Martelli, N. Olivetti, and M. L. Sapino. Conditional Reasoning in Logic Programming. Journal of Logic Programming (**JLP**), 44(1-3) :37-74, 2000.
27. A.Ciabattoni, D. M. Gabbay, and N. Olivetti. Cut-free proof systems for logics of weak excluded middle. **Soft Computing**, 2(4) :147-156, 1998.
28. D. M. Gabbay and N. Olivetti. Algorithmic proof methods and cut elimination for implicational logics - Part i, modal implication. **Studia Logica**, 61(2) :237-280, 1998.
29. L. Giordano and N. Olivetti. Combining Negation as Failure and Embedded Implications in Logic Programs. Journal of Logic Programming (**JLP**), 36(2) :91-147, 1998.
30. D. Mundici and N. Olivetti. Resolution and model building in the infinite- valued calculus of Lukasiewicz. Theoretical Computer Science (**TCS**), 200(1-2): 335-366, 1998.
31. D. M. Gabbay, L. Giordano, A. Martelli, and N. Olivetti. A language for handling hypothetical updates and inconsistency. **Logic Journal of IGPL** , 4(3) :385-416, 1996.
32. N. Olivetti and L. Terracini. N-Prolog and Equivalence of Logic Programs. J. of Logic, Language and Information (**JOLLI**) 1(4) :253-340, 1992.
33. N. Olivetti. Tableaux and Sequent Calculus for Minimal Entailment. J. of Automated Reasoning (**JAR**), 9 :99-139, 1992.

Revues nationales avec comité de lecture

34. N. Olivetti, G. L. Pozzato: Nested sequent calculi and theorem proving for normal conditional logics: The theorem prover NESCOND. *Intelligenza Artificiale* 9(2): 109-125 (2015).

35. L. Giordano, V. Gliozzi, N. Olivetti, G.L. Pozzato, C.B. Schwind. Non-Classical Logics for Knowledge Representation and Reasoning. in : Intelligenza Artificiale, à paraître, 2010.
36. N. Olivetti. Circumscription and Closed World Assumption. Atti della Accademia delle Scienze di Torino, 123(Fasc. 5-6) :207-217, 1989.

Conférences internationales à comité de lecture et actes publiés

37. S. Negri, N. Olivetti: A Sequent Calculus for Preferential Conditional Logic Based on Neighbourhood Semantics. **TABLEAUX 2015**, Automated Reasoning with Analytic Tableaux and Related Methods, Vol LNCS 9323, pp. 115-134, 2015.
38. N. Olivetti, G. Pozzato: A Standard Internal Calculus for Lewis' Counterfactual Logics. **TABLEAUX 2015**, Automated Reasoning with Analytic Tableaux and Related Methods, Vol LNCS 9323, pp. 270-286, 2015.
39. L. Giordano, V. Gliozzi, N. Olivetti, G.L. Pozzato, L. Violanti: A Multi-engine Theorem Prover for a Description Logic of Typicality. **AI*IA 2015**, XIIth International Conference of the Italian Association for Artificial Intelligence, Vol. LNAI, 6934, pp. 164-178, 2015.
40. N. Olivetti, G. Pozzato:: NESCOND: An Implementation of Nested Sequent Calculi for Conditional Logics. **IJCAR 2014**, Automated Reasoning, Proceeding of 7th International Joint Conference on Automated Reasoning , Vol. LNCS 8562, pp. 511-518, 2014.
41. L. Giordano, V. Gliozzi, A. Jaldal, N. Olivetti, G.L. Pozzato: PreDeLo 1.0: A Theorem Prover for Preferential Description Logics. **AI*IA 2013**, Advances in Artificial Intelligence, Vol. LNAI 8249, pp. 60-72, 2013.
42. R. Alenda, N. Olivetti: Gian Luca Pozzato: Nested Sequent Calculi for Conditional Logics. **JELIA 2012**, Logics in Artificial Intelligence - 13th European Conference,, Vol. LNAI 7519, pp. 14-27, 2012.
43. L. Giordano, V. Gliozzi, N. Olivetti, G.L. Pozzato: A Minimal Model Semantics for Nonmonotonic Reasoning. **JELIA 2012**: Logics in Artificial Intelligence - 13th European Conference,Vol. LNAI 7519, 228-241.
44. R. Alenda, N. Olivetti: Preferential Semantics for the Logic of Comparative Similarity over Triangular and Metric Models. **JELIA 2012**, Logics in Artificial Intelligence - 13th European Conference, Vol. LNAI 7519, pp. 1-13.
45. L. Giordano, V. Gliozzi, N. Olivetti, G.L. Pozzato: A Tableau Calculus for a Nonmonotonic Extension of the Description Logic $\$\\mbox{\\em DL-Lite}_\\{\\mathit{core}\\}\\$$. **AI*IA 2011**, - XIIth International Conference of the Italian Association for Artificial Intelligence, Vol. LNAI 6934, pp: 164-176, 2011.
46. L. Giordano, V. Gliozzi, N. Olivetti, G.L. Pozzato: Reasoning about Typicality in Low Complexity DLs: The Logics $\\text{EL} \\bot \\text{Tmin}$ and $\\text{DL-Litec Tmin}$. **IJCAI 2011**, Proc. of the 22nd International Joint Conference on Artificial Intelligence, pp. : 894-899.
47. R. Alenda, N. Olivetti: CSymLean: A Theorem Prover for the Logic CSL over Symmetric Minspaces. **TABLEAUX 2011**, Automated Reasoning with Analytic Tableaux and Related Methods - 20th International Conference, Vol LNCS 6793, pp. 21-26.
48. L. Giordano, V. Gliozzi, N. Olivetti, G.L. Pozzato: A Tableau Calculus for a Nonmonotonic Extension of $\\text{EL} \\wedge \\text{mathcal}\\{\\text{EL}\\} \\wedge \\text{bot}$. **TABLEAUX 2011**: Automated Reasoning with Analytic Tableaux and Related Methods - 20th International Conference, Vol LNCS 6793, pp 180-195, 2011.

49. R. Alenda, N. Olivetti, C. Schwind, D. Tishkovsky: Tableau Calculi for CSL over minspaces. **CSL** Computer Science Logic, 24th International Workshop, Volume LNCS 6247, pp. 52-66, 2010.
50. R. Alenda, N. Olivetti: Tableau Calculus for the Logic of Comparative Similarity over Arbitrary Distance Spaces. **LPAR** 2010, Logic for Programming, Artificial Intelligence, and Reasoning - 17th International Conference, Vol. LNCS 6397, pp. 52-66, 2010.
51. L. Giordano, V. Gliozzi, N. Olivetti, G.L. Pozzato: A Nonmonotonic Extension of KLM Preferential Logic P. **LPAR** 2010, Logic for Programming, Artificial Intelligence, and Reasoning - 17th International Conference, Vol. LNCS 6397 2010: pp. 317-332, 2010.
52. R. Alenda, N. Olivetti, G.L. Pozzato. CSL-lean: A theorem-Prover for the logic of Comparative Concept Similarity in Proceedings of 6th Workshop on Methods for Modalities (**M4M** 09)., T. Bollander, T. Brauner, Electr. Notes Theor. Comput. Sci. 262: 3-16, 2010.
53. R. Alenda, N. Olivetti, C. Schwind. Comparative Concept Similarity over Minspaces: Axiomatisation and Tableaux Calculus. In: Proceedings of **TABLEAUX** 2009. M. Giese and A. Waaler (eds.), , vol. 5607 of Springer LNAI, pp. 17-31, 2009.
54. L. Giordano, V. Gliozzi, N. Olivetti, G.L. Pozzato. "Prototypical Reasoning with Low Complexity Description Logics: Preliminary Results", in: "Proc of. 10th International Conference on Logic Programming and Nonmonotonic Reasoning (**LPNMR** 2009)", Springer, Vol. LNAI 5753, pp. 430-436, 2009.
55. G. Metcalfe, N. Olivetti, Proof Systems for a Gödel Modal Logic, in Proceedings of **TABLEAUX** 2009, M. Giese and A. Waaler (eds.), Vol. 5607 of Springer, LNAI, pp. 265-279, 2009.
56. L. Giordano, V. Gliozzi, N. Olivetti, G. L. Pozzato, Reasoning about Typicality in Preferential Description Logics, in: Proc of **JELIA'08**, 11th European Conference on Logics in Artificial Intelligence, LNAI, vol. 5293, pp. 192-205, Springer, 2008.
57. L. Giordano, V. Gliozzi, N. Olivetti, G. L. Pozzato : Preferential Description Logics. Proc of **LPAR** 2007, Logic for Programming, Artificial Intelligence, and Reasoning, 14th International Conference, volume 4790 of LNCS, Springer, pp 257-272, 2007.
58. L. Giordano, V. Gliozzi, N. Olivetti, G. L. Pozzato : An Implementation of a Free-Variable Tableaux for KLM Preferential Logic P of Nonmonotonic Reasoning : The Theorem Prover FreeP 1.0. Proc of 10th Congress of the Italian Association for Artificial Intelligence (**AI*IA** 2007), volume 4733 of LNAI Springer, pp. 84-96, 2007.
59. L. Giordano, V. Gliozzi, N. Olivetti, G. L. Pozzato, Analytic Tableau Calculi for KLM Rational Logic R. Proc. of the 10th European Conference on Logics in Artificial Intelligence (**JELIA** 06), vol 4160 of LNAI, Springer-Verlag, pp. 190-202, 2006.
60. L. Giordano, V. Gliozzi, N. Olivetti, G. L. Pozzato. Analytic tableaux for KLM preferential and cumulative logics. In : Proc. of the 12th Conf on Logic for Programming Artificial Intelligence and Reasoning (**LPAR** 2005), vol. 3835 of LNCS, pages 666-681, Springer, 2005.
61. N. Olivetti, G. L. Pozzato. CondLean 3.0 : Improving CondLean for Stronger Conditional Logics. In : **TABLEAUX** '05 : Automated Reasoning with Analytic Tableaux and Related Methods, vol. 3702 of LNCS, pages 328-33, Springer, 2005.
62. G. Metcalfe, N. Olivetti, and D. M. Gabbay. Goal-directed proof-methods for Lukasiewicz logic, In Proc. of **CSL** 2004 (Computer Science Logic), volume 3210 of LNCS, pages 85-99, Springer, 2004.
63. N. Olivetti and G. L. Pozzato. CondLean. A Theorem Prover for Conditional Logics. In Proc. of **TABLEAUX** 2003 (Automated Reasoning with Analytic Tableaux and Related Methods), volume 2796 of LNAI. pages 264-270, Springer, 2003.
64. G. Metcalfe, N. Olivetti, and D. M. Gabbay. Goal-Directed Calculi for Gödel-Dummett Logics.

- In Proc. of **CSL** 2003 (Computer Science Logic), volume 2803 of LNCS, pages 413-426, Springer, 2003.
65. L. Giordano, V. Gliozzi, N. Olivetti, and C. Schwind. Tableau Calculi for Preference-Based Conditional Logics. In Proc. of **TABLEAUX** 2003 (Automated Reasoning with Analytic Tableaux and Related Methods), volume 2796 of LNAI, pages 81-101, Springer, 2003.
 66. G. Metcalfe, N. Olivetti, and D. M. Gabbay. Analytic Sequent Calculi for Abelian and Lukasiewicz Logics. In Proc. of **TABLEAUX** 2002 (Automated Reasoning with Analytic Tableaux and Related Methods), volume LNAI 2381 , pages 191-205, Springer, 2002.
 67. L. Giordano, V. Gliozzi, and N. Olivetti. Belief Revision and The Ramsey Test : a solution. In Proc. **AI*IA** 2001, Italian Conference on Artificial Intelligence, volume LNAI 2175, pages 165-180, Springer, 2001.
 68. N. Olivetti and C. Schwind. A sequent calculus and a complexity bound for minimal conditional logic. In Proc. of Theoretical Computer Science, 7th Italian Conference, **ICTCS'2001**, volume 2202 of LNCS, pages 384-404, Springer, 2001.
 69. L. Giordano, V. Gliozzi, and N. Olivetti. A Conditional Logic for Iterated Belief Revision. In Proc. **ECAI** 2000 - European Conference on Artificial Intelligence, pages 28-32, IOS Press, 2000.
 70. L. Giordano, V. Gliozzi, and N. Olivetti. A Conditional Logic for Belief Revision. In Proc. of the Sixth European Workshop on Logic in Artificial Intelligence, **JELIA'98**, volume 1489 of LNAI, pages 294-308, Springer, 1998.
 71. P. A. Bonatti and N. Olivetti. A sequent calculus for circumscription. In Proc. of **CSL'97**, Computer Science Logic, volume LNCS 1414, pages 98-114, 1998.
 72. P. A. Bonatti and N. Olivetti. A sequent calculus for skeptical default logic. In Proc. **TABLEAUX'97**, volume 1227 of LNAI, pages 107-121, Springer, 1997.
 73. D. M. Gabbay, L. Giordano, A. Martelli, and N. Olivetti. Hypothetical updates, priority and inconsistency in a logic programming language. In Proc. **LPNMR** 3rd Int. Conference on Logic Programming and Non-Monotonic Reasoning, volume LNCS 828, pages 203-216, Springer, 1995.
 74. D. M. Gabbay, L. Giordano, A. Martelli, and N. Olivetti. Conditional Logic Programming. In Proc. **ICLP** 94, pages 272-289, MIT Press, 1994.
 75. L. Giordano and N. Olivetti. Negation as failure in intuitionistic logic programming. In **JICLP**, Proc. Joint International Conference and Symposium on Logic Programming, pages 431-445, MIT Press, 1992.
- Communications internationales avec comité lecture, articles courts ou actes informels :**
78. L. Giordano, V. Gliozzi, N. Olivetti, G.L. Pozzato: Preferential vs Rational Description Logics: which one for Reasoning About Typicality?. In Proc. **ECAI** 2010: 1069-1070, 2010.
 79. L. Giordano, V; Gliozzi, N. Olivetti, G. L. Pozzato. Automated Deduction for Logics of Default Reasoning. Proc. In Proc. of **ECAI** 2006 (European Conference on Artificial Intelligence), IOS Press, pp. 757-758, 2006.
 80. Laura Giordano, Valentina Gliozzi, Nicola Olivetti, Gian Luca Pozzato, Luca Violanti: DysToPic: a Multi-Engine Theorem Prover for Preferential Description Logics. **Description Logics** 2015, Proceedings of the 28th International Workshop on Description Logics. Vol-1350, CEUR Workshop Proceedings, 2015.
 81. Laura Giordano, Valentina Gliozzi, Nicola Olivetti, Gian Luca Pozzato: Rational Closure in SHIQ. **Description Logics** 2014, Proceedings of the 27th International Workshop on Description Logics, . Vol-1193, CEUR Workshop Proceedings, pp: 543-555, 2014.
 82. Laura Giordano, Valentina Gliozzi, Nicola Olivetti, Gian Luca Pozzato: Minimal Model

- Semantics and Rational Closure in Description Logics. **Description Logics** 2013, DL 2013, 26th International Workshop on Description Logics, Vol-1014, CEUR Workshop Proceedings, pp. 168-180, 2013.
83. Laura Giordano, Valentina Gliozzi, Nicola Olivetti, Gian Luca Pozzato: Preferential Low Complexity Description Logics: Complexity Results and Proof Methods. **Description Logics** 2012, Proceedings of the 2012 International Workshop on Description Logics, DL-2012, Vol-846, CEUR Workshop Proceedings, pp. 168-180, 2012.
84. L. Giordano, V. Gliozzi, N. Olivetti, G.L. Pozzato. Reasoning About Typicality in ALC and EL, in : CEUR Online Workshop Proceedings, "Proceedings of the DL 22nd International Workshop on **Description Logics** (DL 2009)", 2009", CEUR, Vol. 477, 2009.

D'autres publications sont référencées sur le site: <http://dblp.uni-trier.de/pers/hd/o/Olivetti:Nicola>