

Francesco Paoli – Publications

Books

- F. Paoli, *Substructural Logics: A Primer*, Dordrecht, Kluwer, 2002.

Edited volumes/special issues

- D. Fazio, A. Ledda, F. Paoli, *Algebraic Perspectives on Substructural Logics*, Springer, Berlin, forthcoming.
- F. Ervas, A. Ledda, F. Paoli, G. Sergioli, "Logical pluralism and translation", *Topoi*, 38, 2, 2019.
- L. Fellingine, A. Ledda, E. Rossanese, F. Paoli, *New Developments in Logic and the Philosophy of Science*, College Publications, London, 2016.
- R. Giuntini, F. Paoli, "Proceedings of IQSA 2012", *International Journal of Theoretical Physics*, 53, 10, 2014.
- K. Tanaka, F. Berto, E. Mares, F. Paoli, *Paraconsistency: Logic and Applications*, Springer, Berlin, 2012.

Book chapters

- R. Giuntini, C. Muresan, F. Paoli, "On PBZ*-lattices", in M. Saleh Zarepour, S. Rahman, M. Mojtahedi (Eds.), *Mathematics, Logic, and Their Philosophies: Essays in Honour of Mohammad Ardeshir*, Springer, Berlin, forthcoming.
- R. Giuntini, C. Muresan, F. Paoli, "PBZ*-lattices: Ordinal and horizontal sums", in D. Fazio, A. Ledda, F. Paoli, *Algebraic Perspectives on Substructural Logics*, Springer, Berlin, forthcoming.
- F. Paoli, "Truth degrees, closeness, and the sorites", in O. Bueno and A. Abasnezhad (Eds.), *On the Sorites Paradox*, Springer, Berlin, forthcoming.
- F. Paoli, "Bilattice logics and demi-negation" in H. Omori, H. Wansing (Eds.), *New Essays on Belnap-Dunn Logic*, Springer, Berlin, 2019, pp. 233-253.
- B. Dicher, F. Paoli, "ST, LP, and tolerant metainferences", in C. Baskent, G. Ferguson (Eds.), *Graham Priest on Dialetheism and Paraconsistency*, Springer, Berlin, 2019, pp. 383-407.
- F. Paoli, "Degree theory and the sorites paradox", in S. Oms, E. Zardini (Eds.), *The Sorites Paradox*, Cambridge University Press, Cambridge, 2019, pp. 151-167.
- A. Salibra, A. Ledda, F. Paoli, "Boolean product representations of algebras via binary polynomials", in J. Czelakowski (Ed.), *Don Pigozzi on Abstract Algebraic Logic, Universal Algebra, and Computer Science*, Springer, Berlin, 2018, pp. 293-321
- T. Kowalski, F. Paoli, R. Giuntini, "On when a semantics is not a good semantics: The algebraisation of orthomodular logic", in D. Aerts et al. (Eds.), *Probing the Meaning of Quantum Mechanics: Superpositions, Dynamics, Semantics and Identity*, World Scientific, Singapore, 2016, pp. 179-191.
- A. Ledda, F. Paoli, C. Tsinakis, "Semilinear varieties of lattice-ordered algebras", in F. Montagna (Ed.), *Petr Hajek on Mathematical Fuzzy Logic*, Springer, Berlin, 2014, pp. 207-221.
- F. Paoli, "A paraconsistent and substructural conditional logic", in K. Tanaka, F. Berto, E. Mares, F. Paoli, *Paraconsistency: Logic and Applications*, Springer, Berlin, 2012, pp. 173-198.

- F. Paoli, "Comments to 'Fuzzy logic and higher-order vagueness' by N.J. Smith", in P. Cintula et al. (Eds.), *Understanding Vagueness*, College Publications, London, 2011, pp. 23-26.
- G. Metcalfe, F. Paoli, C. Tsınakis, "Ordered algebras and logic", in H. Hosni and F. Montagna, *Probability, Uncertainty, Rationality, Edizioni della Normale*, Pisa, 2010, pp. 1-85.
- G. Cattaneo, M.L. Dalla Chiara, R. Giuntini, F. Paoli, "[Quantum logic and nonclassical logics](#)", in K. Engesser et al. (Eds.), *Handbook of Quantum Logic and Quantum Structures*, vol. 2, Elsevier, Amsterdam, 2008, pp. 135-235.
- M. Alberti, L. Cirina, F. Paoli, "[Role variables and contextual variables in the theory of didactic systems](#)", in *Processes of Emergence of Systems and Systemic Properties*, World Scientific, Singapore, 2008.
- F. Paoli, "Tautological entailments and their rivals", in J.Y. Béziau, W. Carnielli, D. Gabbay (Eds.), *Handbook of Paraconsistency*, College Publications, London, 2007.
- R. Giuntini, F. Paoli, S. Tagliagambe, "Organisation of knowledge and critical thinking: Mangione's contribution to logic", in E. Ballo, M. Franchella (eds.), *Logic and Philosophy in Italy: Some Trends and Perspectives*, Polimetrica, Milan, 2006, pp. 105-122.

Journal articles

- F. Paoli, M. Pra Baldi, "Extensions of PWK", *Logic Journal of the IGPL*, forthcoming.
- F. Paoli, M. Pra Baldi, "Proof theory of Paraconsistent Weak Kleene Logic", *Studia Logica*, forthcoming.
- R. Giuntini, C. Muresan, F. Paoli, "PBZ*-lattices: structure theory and subvarieties", *Reports on Mathematical Logic*, forthcoming.
- B. Dicher, F. Paoli, "The original sin of proof-theoretic semantics", *Synthese*, forthcoming.
- P. Cintula, F. Paoli, "Is multiset consequence trivial?", *Synthese*, forthcoming.
- A. Ledda, F. Paoli, M. Pra Baldi, "Algebraic analysis of demodalised analytic implication", *Journal of Philosophical Logic*, 48, 6, 2019, pp. 957-979.
- E. Mares, F. Paoli, "C.I. Lewis, E.J. Nelson, and the modern origins of connexive logics", *Organon F*, 26, 3, 2019, pp. 405-426.
- P. Cintula, J. Gil F erez, T. Moraschini, F. Paoli, "An abstract approach to consequence relations", *Review of Symbolic Logic*, 12, 2, 2019, pp. 331-371.
- A. Ledda, F. Paoli, C. Tsınakis, "New horizons for the Archimedean property", *Algebra Universalis*, 79, 4, 2018, pp. 90-119.
- R. Giuntini, A. Ledda, F. Paoli, "On some properties of PBZ*-lattices", *International Journal of Theoretical Physics*, 56, 12, 2017, pp 3895--3911.
- S. Bonzio, J. Gil F erez, F. Paoli, L. Peruzzi, "On Paraconsistent Weak Kleene Logic: Axiomatisation and algebraic analysis", *Studia Logica*, 105, 2, 2017, pp. 253-297.
- A. Salibra, A. Ledda, F. Paoli, "Factor varieties", *Soft Computing*, 21, 6, 2017, pp. 1443-1454.
- R. Giuntini, A. Ledda, F. Paoli, "A new view of effects in a Hilbert space", *Studia Logica*, 104, 6, 2016, pp. 1145-1177.

- J. Gil F erez, A. Ledda, F. Paoli, C. Tsinakis, "Projectable l-groups and algebras of logic: Categorical and algebraic connections", *Journal of Pure and Applied Algebra*, 220, 10, 2016, pp. 3514-3532.
- I. Chajda, J. Gil F erez, R. Giuntini, M. Kolarik, A. Ledda, F. Paoli, "On some properties of directoids", *Soft Computing*, 9, 4, 2015, pp. 955-964.
- T. Kowalski, A. Ledda, F. Paoli, "Quasi-subtractive varieties: Open filters, congruences, and the commutator", *Logic Journal of the IGPL*, 22, 6, 2014, pp. 844-871.
- I. Chajda, A. Ledda, F. Paoli, "Compatible idempotent terms in universal algebra", *Acta Univ. Palack. Olomouc*, 53, 2, 2014, pp. 35-51.
- F. Paoli, "Semantic minimalism for logical constants", *Logique et Analyse*, 227, 2014, pp. 439-461.
- E. Mares, F. Paoli, "Logical consequence and the paradoxes", *Journal of Philosophical Logic*, 43, 2, 2014, pp. 439-469.
- F. Paoli, A. Ledda, T. Kowalski, M. Spinks, "Quasi-discriminator varieties", *International Journal of Algebra and Computation*, 24, 3, 2014, pp. 375-411.
- A. Ledda, F. Paoli, C. Tsinakis, "Lattice-theoretic properties of algebras of logic", *Journal of Pure and Applied Algebra*, 218, 2014, pp. 1932-1952.
- T. Kowalski, A. Ledda, F. Paoli, "On independent varieties and some related notions", *Algebra Universalis*, 70, 2013, pp. 107-136.
- P. Jipsen, A. Ledda, F. Paoli, "On some properties of quasi-MV algebras and square root quasi-MV algebras, IV", *Reports on Mathematical Logic*, 48, 2013, pp. 3-36.
- A. Ledda, F. Paoli, A. Salibra, "On Semi-Boolean like algebras", *Acta Univ. Palack. Olomuc.*, 52, 1, 2013, pp. 101-120.
- A. Salibra, A. Ledda, F. Paoli, T. Kowalski, "Boolean like algebras", *Algebra Universalis*, 69, 2, 2013, pp. 113-138.
- F. Paoli, C. Tsinakis, "On Birkhoff's common abstraction problem", *Studia Logica*, 100, 6, 2012, pp. 1079-1105.
- F. Paoli, A. Ledda, M. Spinks, H. Freytes, R. Giuntini, "Logics from square root quasi-MV algebras", *International Journal of Theoretical Physics*, 50, 2011, pp. 3882-3902.
- G. Sergioli, R. Giuntini, F. Paoli, "Irreversibility in quantum computational logics", *Applied Mathematics and Information Sciences*, 5, 2, 2011, pp. 171-191.
- T. Kowalski, F. Paoli, "Joins and subdirect products of varieties", *Algebra Universalis*, 65, 4, 2011, pp. 371-391.
- A. Ledda, F. Paoli, T. Kowalski, "On certain quasivarieties of quasi-MV algebras", *Studia Logica*, 98, 2011, pp. 145-170.
- T. Kowalski, F. Paoli, M. Spinks, "Quasi-subtractive varieties", *Journal of Symbolic Logic*, 76, 4, 2011, pp. 1261-1286.
- R. Giuntini, A. Ledda, G. Sergioli, F. Paoli, "Some generalisations of fuzzy structures arising in quantum computational logic", *International Journal of General Systems*, 40, 1, 2011, pp. 61-83.
- R. Giuntini, A. Ledda, F. Paoli, "Categorical equivalences for square root quasi-MV algebras", *Journal of Logic and Computation*, 20, 4, 2010, pp. 795-810.
- T. Kowalski, F. Paoli, "On some properties of quasi-MV algebras and square root quasi-MV algebras, III", *Reports on Mathematical Logic*, 45, 2010, pp. 161-199.
- F. Bou, F. Paoli, A. Ledda, M. Spinks, R. Giuntini, "[The logic of quasi-MV](#)

- [algebras](#)", *Journal of Logic and Computation*, 20, 2, 2010, pp. 619-643.
- T. Kowalski, F. Paoli, R. Giuntini, A. Ledda, "[The lattice of subvarieties of square root quasi-MV algebras](#)", *Studia Logica*, 95, 2010, pp. 37-61.
 - R. Giuntini, H. Freytes, A. Ledda, F. Paoli, "A discriminator variety of Goedel algebras with operators arising in quantum computation", *Fuzzy Sets and Systems*, 160, 2009, pp. 1082-1098.
 - F. Paoli, A. Ledda, R. Giuntini, H. Freytes "On some properties of quasi-Mv algebras and square root quasi-Mv algebras", *Reports on Mathematical Logic*, 44, 2009, pp. 31-63.
 - G. Sergioli, A. Ledda, F. Paoli, R. Giuntini, T. Kowalski, F. Montagna, H. Freytes, C. Marini, "Two cooperative variants of the Guessing Secret Problem", *Information Sciences*, 179, 2009, pp.3645-3658.
 - F. Paoli, M. Spinks, R. Veroff, "Abelian logic and the logics of pointed lattice-ordered varieties", *Logica Universalis*, 2, 2, 2008, pp. 209-233.
 - F. Bou, F. Paoli, A. Ledda, H. Freytes "On some properties of quasi-Mv algebras and square root quasi-Mv algebras. Part 2", *Soft Computing*, 12,4, 2008, pp. 341-352.
 - R. Giuntini, A. Ledda, F. Paoli, "Expanding quasi-MV algebras by a quantum operator", *Studia Logica*, 87, 1, 2007, pp. 99-128.
 - F. Paoli, "Implicational paradoxes and the meaning of logical constants", *Australasian Journal of Philosophy*, 85, 4, 2007, pp. 553-579.
 - F. Paoli, "*-autonomous lattices and fuzzy sets", *Soft Computing*, 10, 7, 2006, pp. 607-617.
 - F. Paoli, "Comparing two views of comparison: Peña and Casari on vagueness and comparatives", *Logic and Philosophy of Science*, vol. 4, 2006, <http://www.units.it/episteme/>.
 - A. Ledda, M. Konig, F. Paoli, R. Giuntini "MV algebras and quantum computation", *Studia Logica*, 82, 2, 2006, pp. 245-270.
 - F. Paoli, "*-autonomous lattices", *Studia Logica*, 79, 2005, pp. 283-304.
 - F. Paoli, "The ambiguity of quantifiers", *Philosophical Studies*, 124, 3, 2005, pp. 313-330.
 - G. Restall, F. Paoli, "The geometry of nondistributive logics", *Journal of Symbolic Logic*, 70, 104, 2005, pp. 1108-1126.
 - F. Paoli, "A really fuzzy approach to the sorites paradox", *Synthese*, 134, 3, 2003, pp. 363-387.
 - F. Paoli, "Quine and Slater on paraconsistency and deviance", *Journal of Philosophical Logic*, 32, 2003, pp. 531-548.
 - F. Paoli, "On the algebraic structure of linear, relevant, and fuzzy logic", *Archive for Mathematical Logic*, 41, 2002, pp. 107-121.
 - F. Paoli, "Logic and groups", *Logic and Logical Philosophy*, 9, 2001, pp. 109-128.
 - F. Paoli, "A common abstraction of MV algebras and Abelian l-groups", *Studia Logica*, 65, 2000, pp. 355-366.
 - F. Paoli, "The proof theory of comparative logic", *Logique et Analyse*, 171-172, 2000, pp. 357-370.
 - F. Paoli, "Comparative logic as an approach to comparison in natural language", *Journal of Semantics*, 16, 1999, pp. 67-96.
 - F. Paoli, "Simplified affine phase structures", *Reports on Mathematical Logic*, 32, 1998, pp. 21-34.
 - F. Paoli, "On strong comparative logic", *Logique et Analyse*, 155-156, 1996, pp. 271-283.

- F. Paoli, "S is constructively complete", *Reports on Mathematical Logic*, 30, 1996, pp. 31-47.
- F. Paoli, "Semantics for first degree relatedness logic", *Reports on Mathematical Logic*, 27, 1993, pp. 81-94.

Reports

- F. Paoli, "Regressive analytical entailments", Report n. 33, *Konstanzer Berichte zur Logik und Wissenschaftstheorie*, 1992.
-

Miscellaneous

- P. Minari, F. Paoli, "Logiche intermedie e logica comparativa nelle ricerche di Ettore Casari", *Rivista di Filosofia*, 2020, Early access, DOI: 10.1413/97306
- B. Dicher, F. Paoli, "Educazione matematica e logica matematica", in F. Morselli, G. Rosolini, C. Toffalori (Eds.), *Educare alla razionalità*, Edizioni UMI, Bologna, 2019, pp. 75-90.
- F. Paoli, "Logica e metodi formali in filosofia della logica", *Rivista di Filosofia*, 108, 2, 2017, pp. 169-182.
- F. Paoli, Review of N. Smith, *Logic: The Laws of Truth*, Princeton, Princeton University Press, in *History and Philosophy of Logic*, 35, 3, 2014, pp. 306-308.
- F. Paoli, *Didattica della matematica dai tre agli undici anni*, Carocci, Roma, 2014.
- F. Paoli, C. Crespellani, G. Sergioli, *Ragionare nel quotidiano*, Mimesis, Milano, 2012.
- F. Paoli, "Didattica della matematica", in A. Leone, G. Moretti (Eds.), *Formazione degli insegnanti e competenze didattico-disciplinari*, CUEC, Cagliari, 2010 pp. 99-120.
- F. Paoli, C. Crespellani, G. Sergioli, *Impariamo a ragionare*, CUEC, Cagliari, 2009.
- L. Cirina, C. Usai, F. Paoli, "La risoluzione di problemi aritmetici in un contesto narrativo", *Annali della Facoltà di Sc. Form.*, Università di Cagliari, 29, 2006, pp. 141-153.
- F. Paoli, Review of JC Beall, B. van Fraassen, *Possibilities and Paradox*, Oxford University Press, Oxford, in *Logic and Philosophy of Science*, vol. 2, 2004, <http://www.units.it/episteme/>.
- M.L. Dalla Chiara, R. Giuntini, F. Paoli, *Sperimentare la logica*, Liguori, Napoli, 2004.
- F. Paoli, "Bolzano e le dimostrazioni matematiche", *Rivista di Filosofia*, 82, 1991, pp. 221-242.

