

Publications

Books

- [1] R. Giuntini, *Quantum Logic and Hidden Variables*, Bibliographisches Institut, Mannheim, 1991.
- [2] M. L. Dalla Chiara, R. Giuntini, R. Greechie, *Reasoning in Quantum Theory*, Kluwer, Dordrecht, 2004.
- [3] M. L. Dalla Chiara, R. Giuntini, F. Paoli, *Sperimentare la logica*, Liguori, Napoli, 2004.
- [4] M. L. Dalla Chiara, R. Giuntini, E. Negri, R. A. Luciani, *From Quantum Information to Musical Semantics*, College Publications, London, 2012.
- [5] , M. L. Dalla Chiara, R. Giuntini, R. Leporini, G. Sergioli, *Quantum Computation and Logic*, Springer, *forthcoming*.

Peer-Reviewed Papers

- [6] “Quantum logics and Lindenbaum property”, *Studia Logica* **46**, 1987, pp. 17–35.
- [7] “Alle origini del problema delle variabili nascoste in meccanica quantistica”, *Rivista di Filosofia* **78**, 1987, pp. 89–109.
- [8] “A critical survey of some non-contextual hidden-variable theories”, in *Annali del Dipartimento di Filosofia dell’Università di Firenze*, vol. III, L. Olschki, Firenze, 1987, pp. 191–225.
- [9] “Quantum logics and the hidden-variable issue”, in P. Weingartner, G. Schurz (eds.), *Proceedings of the 13th Wittgenstein Symposium*, Hölder-Pichler-Tempsky, Wien, 1988, pp. 128–136.
- [10] “Quantum logic and relative Lindenbaum property”, in *Atti del Congresso: Temi e Prospettive della Logica e della Filosofia della Scienza Contemporanea*, a cura di C. Cellucci e G. Sambin, vol. I, CLUEB, Bologna, 1988, pp. 189–202.

-
- [11] “Quantum logics and relative Lindenbaum property”, *Annalen der Physik* **46**, 1989, pp. 293–302.
- [12] “Quantum logics and Hilbert spaces”, *Teoria* **10**, 1989, pp. 3–26.
- [13] M. L. Dalla Chiara, R. Giuntini, “Paraconsistent quantum logic”, *Foundations of Physics* **19**, 1989, pp. 891–904.
- [14] R. Giuntini, H. Greuling, “Toward a formal language for unsharp properties”, *Foundations of Physics* **20**, 1989, pp. 931–945.
- [15] R. Giuntini, P. Mittelstaedt, “The Leibniz principle in quantum logic”, *International Journal of Theoretical Physics* **28**, 1989, pp. 159–168.
- [16] “Brouwer-Zadeh logic and the operational approach to quantum mechanics”, *Foundations of Physics* **20**, 1990, pp. 701–714.
- [17] “A semantical investigation on Brouwer-Zadeh logic”, *Journal of Philosophical Logic* **20**, 1991, pp. 411–433.
- [18] “Brouwer-Zadeh logic, decidability and bimodal systems”, *Studia Logica* **51**, 1992, pp. 97–112.
- [19] “Semantic alternatives in Brouwer-Zadeh logics”, *International Journal of Theoretical Physics* **31**, 1992, pp. 83–97.
- [20] G. Cattaneo, M. L. Dalla Chiara, R. Giuntini, “Fuzzy-intuitionistic quantum logic”, *Studia Logica* **52**, 1993, pp. 1–24.
- [21] “Three-valued Brouwer-Zadeh logic”, *International Journal of Theoretical Physics* **32**, 1993, pp. 1875–1887.
- [22] M. L. Dalla Chiara, R. Giuntini, “Logic and probability in quantum mechanics”, in P. Humphreys (ed.), *Patrick Suppes: Scientific Philosopher*, vol. III, Kluwer, Dordrecht, 1994, pp. 147–167.
- [23] M. L. Dalla Chiara, R. Giuntini, “Partial and unsharp quantum logics”, *Foundations of Physics* **24**, 1994, pp. 1161–1177.
- [24] G. Cattaneo, R. Giuntini, “Some results on BZ structures from Hilbertian unsharp quantum physics”, *Foundations of Physics* **25**, 1995, pp. 1147–1183.
- [25] M. L. Dalla Chiara, R. Giuntini, “The logic of orthoalgebras”, *Studia Logica* **55**, 1995, pp. 3–22.
- [26] M. L. Dalla Chiara, R. Giuntini, “Physical interpretations of the Łukasiewicz quantum logical connectives”, in C. Garola, A. Rossi (eds.), *The Foundations of Quantum Mechanics*, Kluwer, Dordrecht, 1995, pp. 179–185.

-
- [27] “Unsharp orthoalgebras and quantum MV algebras”, in C. Garola, A. Rossi (eds.), *The Foundations of Quantum Mechanics*, Kluwer, Dordrecht, 1995, pp. 325–337.
- [28] “Quasilinear QMV algebras”, *International Journal of Theoretical Physics* **34**, 1995, pp. 1–11.
- [29] “Quantum MV algebras”, *Studia Logica* **56**, 1996, pp. 393–417.
- [30] M. L. Dalla Chiara, R. Giuntini, “Fuzzy quantum logics”, *Mathware and Soft Computing* **3**, 1996, pp. 83–91.
- [31] “MV algebre quantistiche e commutatività”, in V. Fano (ed.), *Fondamenti e Filosofia della Fisica*, Il Ponte Vecchio, Cesena, 1996, pp. 70–82.
- [32] “Axiomatizing quantum MV algebras”, *Mathware and Soft Computing* **4**, 1997, pp. 23–39.
- [33] M. L. Dalla Chiara, R. Giuntini, “A fuzzy dynamic semantics for quantum histories”, *Soft Computing* **2**, 1997, pp. 137–142.
- [34] “Completezza e massimalità in meccanica quantistica”, in E. Bellone, G. Boniolo (ed.), *Storia e Filosofia della Scienza*, Milano, 1998, pp. 99–111.
- [35] “Quantum MV-algebras and commutativity”, *International Journal of Theoretical Physics* **37**, 1998, pp. 65–74.
- [36] G. Cattaneo, R. Giuntini, R. Pilla, “ $BZMV^{dM}$ algebras and stonean MV-algebras (applications to fuzzy sets and rough approximations)”, *Fuzzy Sets and Systems* **108**, 1998, pp. 201–222.
- [37] G. Cattaneo, M. L. Dalla Chiara, R. Giuntini, “Some algebraic structures for many-valued logics”, *Tatra Mountains Mathematical Publications* **15**, 1998, pp. 173–195.
- [38] M. L. Dalla Chiara, R. Giuntini, D. Krause, “Quasiset theories for microobjects: a comparison”, in E. Castellani (ed.), *Interpreting Bodies: Classical and Quantum Objects in Modern Physics*, Princeton University Press, Princeton, 1998, pp. 142–152.
- [39] M. L. Dalla Chiara, R. Giuntini, “Łukasiewicz ’ theory of truth, from the quantum logical point of view”, in J. Woléński, E. Köhler (eds.), *Alfred Tarski and the Vienna Circle*, Kluwer, Dordrecht, 1999, pp. 127–134.
- [40] M. L. Dalla Chiara, R. Giuntini, “Dynamic ideas in quantum logic”, in R. Egidi (ed.), *In Search of a New Humanism*, Kluwer, Dordrecht, 1999.
- [41] G. Cattaneo, M. L. Dalla Chiara, R. Giuntini, “How many notions of ’sharp’?”, *International Journal of Theoretical Physics* **38**, 1999, pp. 3153–3161.

-
- [42] M. L. Dalla Chiara, R. Giuntini, “Paraconsistent ideas in quantum logic”, *Synthese* **125**, 2000, pp. 55–68.
- [43] “An independent axiomatization of QMV algebras”, in C. Garola, A. Rossi (eds.), *The Foundations of Quantum Mechanics*, World Scientific, Singapore, 2000, pp. 233–249.
- [44] G. Cattaneo, M.L. Dalla Chiara, R. Giuntini, S. Pulmannová, “Effect algebras and paraboolean manifolds”, *International Journal of Theoretical Physics* **39**, 2000, pp. 551–564.
- [45] R. Giuntini, S. Pulmannová, “Ideals and congruences in effect algebras and QMV algebras”, *Communications in Algebra* **28**, pp. 1567–1592, 2000.
- [46] G. Cattaneo, R. Giuntini, S. Pulmannová, “Pre-BZ and degenerate BZ posets: Applications to fuzzy sets and unsharp quantum theories”, *Foundations of Physics* **30**, 2000, pp. 1763–1797.
- [47] G. Cattaneo, M. L. Dalla Chiara, R. Giuntini, “Una semantica suggerita dalla computazione quantistica”, in *Saggi per Marco Mondadori*, in M. D’Agostino, G. Giorello, S. Veca (eds.), Fondazione Arnoldo e Alberto Mondadori, Milano, 2001, pp. 203–220.
- [48] R. Giuntini, F. Laudisa, “The impossible causality; the no hidden variables theorem of John von Neumann”, in M. Rédei, M. Stoelzner (eds.), *John von Neumann and the Foundations of Quantum Mechanics*, Kluwer, Dordrecht, pp. 173–188, 2001.
- [49] M. L. Dalla Chiara, R. Giuntini, “Quantum logics”, in D. Gabbay, F. Guenther (eds.), *Handbook of Philosophical Logic*, vol. VI, Kluwer, Dordrecht, 2002, pp. 129–228.
- [50] M. L. Dalla Chiara, R. Giuntini, “On the notion of law”, in M. Heidelberger, F. Stadler (eds.), *History of Philosophy of Science: New Trends and Perspectives*, Kluwer, Dordrecht, 2002, pp. 1–12.
- [51] M. L. Dalla Chiara, R. Giuntini, R. Leporini, “Quantum computational logics. A Survey”, in V. F. Hendricks, J. Malinowski (eds.), *Trends in Logic: 50 Years of Studia Logica*, Kluwer Academic Publishers, Dordrecht, 2003, pp. 213–255.
- [52] M. L. Dalla Chiara, R. Giuntini, “Popper e la logica della meccanica quantistica”, *Le Scienze* **144**, pp. 64–70, 2003.
- [53] M. L. Dalla Chiara, R. Giuntini, R. Leporini, “Reasonableness from the (quantum-) logical point of view”, in R. Dottori (ed.), *Reason and Reasonableness [sic]: Vernunft und Vernunftigkeit*, LIT Verlag Berlin-Hamburg-Münster, pp. 37–46, 2003.

-
- [54] G. Cattaneo, M. L. Dalla Chiara, R. Giuntini, R. Leporini, “Quantum computational structures”, *Mathematica Slovaca* **54**, pp. 87–108, 2004.
- [55] G. Cattaneo, M. L. Dalla Chiara, R. Giuntini, R. Leporini, “An unsharp logic from quantum computation”, *International Journal of Theoretical Physics* **43**, pp. 1803–1817, 2004.
- [56] G. Cattaneo, D. Ciucci, R. Giuntini, M. König, “Algebraic structures related to many valued logical systems. Part I: Heyting Wajsberg algebras”, *Fundamenta Informaticae* **XX**, pp.331–355, 2004.
- [57] G. Cattaneo, D. Ciucci, R. Giuntini, M. König, “Algebraic structures related to many valued logical systems. Part II: equivalence among some widespread structures”, *Fundamenta Informaticae* **XX**, pp.357–373, 2004.
- [58] “Weakly linear quantum MV-algebras”, *Algebra Universalis* **53**, pp. 45–72, 2005.
- [59] M. L. Dalla Chiara, R. Giuntini, A. Leporati e R. Leporini, “Qubit semantics and quantum trees”, *International Journal of Theoretical Physics* **44**, pp. 971–984, 2005.
- [60] M. L. Dalla Chiara, R. Giuntini, R. Leporini, “Quantum computational logics and Fock space semantics”, *International Journal of Quantum Information* **3**, pp. 9–16, 2005.
- [61] M. L. Dalla Chiara, R. Giuntini, S. Gudder, R. Leporini, “Quantum computational semantics on Fock space”, *International Journal of Theoretical Physics* **44**, pp. 2219–2230, 2005.
- [62] M. L. Dalla Chiara, R. Giuntini, R. Leporini, “Logics from quantum computation”, *International Journal of Quantum Information* **3**, pp. 293–337, 2005.
- [63] D. Foulis, R. Greechie, M. L. Dalla Chiara, R. Giuntini, “Quantum logic”, in G. L. Triggs (ed.), *Mathematical Tools for Physicists*, Wiley-VCH, Weinheim, 2005.
- [64] M. L. Dalla Chiara, R. Giuntini, “Popper and the logic of quantum mechanics”, in I. Jarvie, K. Milford, D. Miller (eds.), *Karl Popper. A Centenary Assessment - Selected Papers from KARL POPPER 2002*, vol. III, pp. 49–55, Ashgate, London, 2006.
- [65] R. Giuntini, M. König, A. Ledda, F. Paoli, “MV algebras and quantum computation”, *Studia Logica* **82**, pp. 45–70, 2006.
- [66] M. L. Dalla Chiara, R. Giuntini, R. Leporini, “A holistic quantum computational semantics”, in E. Ballo, M. Franchella (eds.), *Logic and Philosophy in Italy*, Polimetrica International Scientific Publisher, Milano, pp. 49–68, 2006.

-
- [67] 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*, Polimetrica International Scientific Publisher, Milano, pp. 105–122, 2006.
- [68] M. L. Dalla Chiara, R. Giuntini, G. Toraldo di Francia, “Holistic quantum computational semantics and Gestalt-thinking”, in E. B. A. Bassi, D. Dürr, T. Weber, N. Zanghí (eds.), *Quantum Mechanics: Are there Quantum Jumps? On the Present Status of Quantum Mechanics*, American Institute of Physics Conference Series, pp. 86–100, 2006.
- [69] M. L. Dalla Chiara, R. Giuntini, “A formal analysis of musical scores”, *Mathematica Slovaca* **56**, 56, pp. 591–609, 2006.
- [70] M. L. Dalla Chiara, R. Giuntini, M. Redei, “The history of quantum logic”, in D. Gabbay, J. Woods (eds.), *Handbook of the History of Logic*, vol. VIII, Kluwer, Dordrecht, pp. 205–283, 2007.
- [71] M. L. Dalla Chiara, R. Giuntini, R. Leporini, “Compositional and holistic quantum computational semantics”, *Natural computing* **6**, pp. 113–132, 2007.
- [72] R. Giuntini, A. Ledda, F. Paoli, “Expanding quasi-MV algebras by a quantum operator”, *Studia Logica* **87**, pp. 99–128, 2007.
- [73] F. Bou, R. Giuntini, F. Paoli, A. Ledda, H. Freytes, “On some properties of quasi-MV algebras and $\sqrt{\cdot}$ quasi-MV algebras. Part II”, *Soft Computing* **12**, pp. 341–352, 2007.
- [74] M. L. Dalla Chiara, R. Giuntini, G. Toraldo di Francia, “Reconstruction of objectivity: “On What There Is” from the quantum-logical point of view”, in D. S. Hamilton (ed.), *Which Values for Our Time*, Calouste Gulbenkian Foundation, Lisbon, pp. 91–106, 2007.
- [75] M. L. Dalla Chiara, R. Giuntini, R. Leporini, “Reversibility and irreversibility in quantum computation and in quantum computational logics”, in S. Aguzzoli, A. Ciabattoni, B. Gerla, C. Manara, V. Marra (eds.), *Algebraic and Proof-Theoretic Aspects of Non-classical Logics*, Lectures Notes in Computer Science, Springer, Berlin-Heidelberg, pp. 84–118, 2007.
- [76] M. L. Dalla Chiara, R. Giuntini, R. Leporini, G. Toraldo di Francia, “Quantum computational logics and possible applications”, *International Journal of Theoretical Physics* **44**, pp. 44–60, 2008.
- [77] H. Freytes, R. Giuntini, A. Ledda, F. Paoli, “On some properties of quasi-MV algebras and $\sqrt{\cdot}$ -MV algebras”, *Reports on Mathematical Logic* **44**, pp. 53–85, 2008.
- [78] M. L. Dalla Chiara, R. Giuntini, E. Negri, “From quantum mechanics to music”, *Advanced Science Letters* **1**, pp. 1–10, 2008.

-
- [79] G. Cattaneo, M. L. Dalla Chiara, R. Giuntini, F. Paoli, “Quantum logic and nonclassical logics”, in K. Engesser, D. Gabbay, D. Lehmann (eds.), *Handbook of Quantum Logic and Quantum Structures*, Kluwer, Dordrecht, pp. 127–226, 2009.
- [80] M. L. Dalla Chiara, H. Freytes, R. Giuntini, A. Ledda, G. Sergioli, “The algebraic structure of an approximately universal system of quantum computational gates”, *Foundations of Physics* **39**, pp. 559–572, 2009.
- [81] G. Sergioli, A. Ledda, F. Paoli, R. Giuntini, T. Kowalski, F. Montagna, H. Freytes, C. Marini, “Two cooperative versions of the Guessing Secrets problem”, *Information Sciences* **179**, pp. 3645–3658, 2009.
- [82] H. Freytes, R. Giuntini, A. Ledda, F. Paoli, “A discriminator variety of Gödel algebras with operators arising in quantum computation”, *Fuzzy Sets and Systems* **160**, pp. 1082–1098, 2009.
- [83] M. L. Dalla Chiara, R. Giuntini, A. Ledda, R. Leporini, G. Sergioli, “Entanglement as a semantic resource”, *Foundations of Physics* **40**, pp. 1494–1518, 2010.
- [84] F. Bou , F. Paoli, A. Ledda , M. Spinks , and R. Giuntini, “The logic of Quasi-MV algebras”, *Journal of Logic and Computation* **20**, pp.619-643, 2010.
- [85] T. Kowalski, F. Paoli, R. Giuntini, A. Ledda, “The Lattice of subvarieties of \sqrt{I} quasi-MV algebras”, *Studia Logica* **95**, pp. 33–57, 2010.
- [86] M. L. Dalla Chiara, R. Giuntini, E. Negri, “Holism and contextuality: a quantum-like semantics for music”, *Manuscripto* **33**, pp. 143–163, 2010.
- [87] R. Giuntini, A. Ledda, F. Paoli, “Categorical equivalences for \sqrt{I} -MV algebras”, *Journal of Logic and Computation* **20**, pp. 795–810, 2010.
- [88] A. Dvurecenskij, R. Giuntini, T. Kowalski, “On the structure of Pseudo BL-algebras and Pseudo Hoops in quantum logics”, *Foundations of Physics* **40**, pp.1519–1542, 2010 .
- [89] M. L. Dalla Chiara, R. Giuntini, R. Leporini, “Holism, ambiguity and approximation in the logics of quantum computation. A survey”, *International Journal of General Systems* **40** , pp. 85–99, 2011.
- [90] R. Giuntini, A. Ledda, G. Sergioli, F. Paoli, “Some generalizations of fuzzy structures in quantum computational logic”, *International Journal of General Systems* **40**, pp. 61-84, 2011.
- [91] R. Giuntini, F. Paoli, G. Sergioli, “Irreversibility in quantum computational logics”, *Applied Mathematics and Information Sciences* **5**, pp. 171–191, 2011.

-
- [92] F. Paoli, A. Ledda, M. Spinks, H. Freytes, R. Giuntini, “Logics from \sqrt{I} quasi-MV algebras”, *International Journal of Theoretical Physics* **50**, pp. 3882–3902, 2011.
- [93] E. Beltrametti, M. L. Dalla Chiara, R. Giuntini, R. Leporini, G. Sergioli, “Quantum teleportation and quantum epistemic semantics”, *Mathematica Slovaca* **62**, pp. 1121–1144, 2012.
- [94] R. Giuntini, H. Freytes, A. Ledda, G. Sergioli, “ Probabilistic logics in quantum computation”, in H. Andersen, D. Dieks, W.J. Gonzalez, T. Uebel, G. Wheeler, (eds.), *New Challenges to Philosophy of Science*, to appear.
- [95] M. L. Dalla Chiara, R. Giuntini, A. Ledda, G. Sergioli, “ The Toffoli-Hadamard gate system: an algebraic approach”, *Journal of Philosophical Logic* **42**, pp. 467–481, 2013.
- [96] R. Giuntini, F. Paoli, H. Freytes, A. Ledda, G. Sergioli, “ What is fuzzy logic and why it matters to us”, in R. Seising, E. Trillas, C. Moraga, S. Termini, *On Fuzziness – A Homage to Lotfi A. Zadeh*, Springer, Berlin, pp. 211–215, 2013.
- [97] M. L. Dalla Chiara, R. Giuntini, G. Sergioli, “ Probability in quantum computation and quantum computational logics: a survey”, *Mathematical Structures in Computer Science*, **23**, 2013.
- [98] E. Beltrametti, M. L. Dalla Chiara, R. Giuntini, R. Leporini, G. Sergioli, “A Quantum computational semantics for epistemic logical operators. Part I: Epistemic structures”, *International Journal of Theoretical Physics* **53**, pp. 3279-3292, 2014.
- [99] E. Beltrametti, M. L. Dalla Chiara, R. Giuntini, R. Leporini, G. Sergioli, “A Quantum computational semantics for epistemic logical operators. Part II: Semantics”, *International Journal of Theoretical Physics* **53**, pp 3293-3307, 2014.
- [100] M. L. Dalla Chiara, R. Giuntini, E. Negri, “Quantum information and music”, *Reviews in Theoretical Science* **3** pp. 1-10, 2015.
- [101] I. Chajda, J. Gil F erez, R. Giuntini, M. Kolarik, A. Ledda, F. Paoli, “On some properties of directoids”, *Soft Computing* **9**, pp. 955-964, 2015.
- [102] M. L. Dalla Chiara, R. Giuntini, R. Leporini, E. Negri, G. Sergioli, “Quantum information, cognition, and music”, *Frontiers in Psychology*, 21 October 2015.
doi: [dx.doi.org/10.3389/fpsyg.2015.01583](https://doi.org/10.3389/fpsyg.2015.01583)
- [103] H. Freytes, R. Giuntini, G. Sergioli, “Quantum logic associated to finite dimensional intervals of modular ortholattices”, *The Journal of Symbolic Logic* **81**, pp. 629-640, 2016.

-
- [104] H. Freytes, R. Giuntini, R. Leporini, G. Sergioli, “Entanglement and quantum logical gates. Part I”, *International Journal of Theoretical Physics* **54**, pp. 4518–4529, 2015.
- [105] , M. L. Dalla Chiara, R. Giuntini, E. Negri, “A quantum approach to vagueness and to the semantics of music”, *International Journal of Theoretical Physics* **54**, pp. 4546–4556, 2015.
- [106] M. L. Dalla Chiara, R. Giuntini, G. Sergioli, “Holistic logical arguments in quantum computation”, *Mathematica Slovaca* **66**, pp. 313–334.
dx.doi.org/10.1515/ms-2015-0138
- [107] M.L. Dalla Chiara, R. Giuntini, R. Leporini, G. Sergioli, “A first-order epistemic quantum computational semantics with relativistic-like epistemic effects”, *Fuzzy Sets and Systems* **298**, pp. 69–90, 2016.
dx.doi.org/10.1016/j.fss.2015.09.002
- [108] R. Giuntini, A. Ledda, F. Paoli, “A New view of effects in a Hilbert space”, *Studia Logica*, 14 May 2016, pp. 1-33, 2016.
doi: 10.1007/s11225-016-9670-3
- [109] M.L. Dalla Chiara, R. Giuntini, R. Leporini, G. Sergioli , “Abstract quantum computing machines and quantum computational logics”, *International Journal of Quantum Information* **14**, 2016 (first on line).
doi: 10.1142/S0219749916400190
- [110] M.L. Dalla Chiara, R. Giuntini, G. Sergioli, R. Leporini, “A many-valued approach to quantum computational logics”, *Fuzzy Sets and Systems*, 2016 (first on line).
10.1007/s00500-015-1895-y
- [111] G. Sergioli, A. Ledda, R. Giuntini, “Binary gates in three valued quantum computational Logics”, in D. Aerts, C. de Ronde, H. Freytes, R. Giuntini (eds.), *Probing the Meaning of Quantum Mechanics* , World Scientific, Singapore, 2016.
- [112] T. Kowalski, F. Paoli, R. Giuntini, “On when a semantics is not a good semantics: the algebraisation of orthomodular logic ”, in D. Aerts, C. de Ronde, H. Freytes, R. Giuntini (eds.), *Probing the Meaning of Quantum Mechanics* , World Scientific, Singapore, 2016.
- [113] M. L. Dalla Chiara, R. Giuntini, A. R. Luciani, E. Negri, “A quantum-like semantic analysis of ambiguity in music”, *Soft Computing* **21**, pp. 1473–1481, 2017.
doi: 10.1007/s00500-016-2478-2
- [114] G. Sergioli, E. Santucci, L. Didaci, J. A Mischczak, R. Giuntini, “A quantum-inspired version of the nearest mean classifier”, *Soft Computing* ,

2017 (first on line).
doi: 10.1007/s00500-016-2478-2

- [115] F. Holik, G. Sergioli, H. Freytes, R. Giuntini, A. Plastino, “Toffoli gate and quantum correlations: a geometrical approach”, *Quantum Information Processing* **16**, pp. 16–55, 2017.
doi: 10.1007/s11128-016-1509-3
- [116] R. Giuntini, A. Ledda, F. Paoli, “On some properties of PBZ* lattices”, *International Journal of Theoretical Physics*, forthcoming.
- [117] G. M. Bosyk, R. Giuntini, E. Santucci, G. Sergioli, “A quantum-inspired version of the classification problem”, *International Journal of Theoretical Physics*, 2017 (first on line).
10.1007/s10773-017-3371-1
- [118] E. Beltrametti, M. L. Dalla Chiara, R. Giuntini, “The quantum logical challenge: Peter Mittelstaedt’s contributions to logic and philosophy of science”, *International Journal of Theoretical Physics*, 2017 (first on line).
10.1007/s10773-017-3383-x