

LISTA DELLE PUBBLICAZIONI DEGLI ULTIMI 3 ANNI (2015-2016-2017)

di DOMENICO CANTONE

MONOGRAFIE

- [1] D. CANTONE and P. URSINO. *An Introduction to the Technique of Formative Processes in Set Theory*. Springer-Verlag, 2017. In corso di stampa.

PUBBLICAZIONI SU RIVISTE

- [2] D. CANTONE, S. CRISTOFARO, and G. PAPPALARDO. Computing efficiently the closeness of word sets in natural language texts. *International Journal of Computational Linguistics and Applications*, **6**(1):149–172, June 2015.
- [3] D. CANTONE, A. GIARLOTTA, S. GRECO, and S. WATSON. (m, n) -rationalizable choices. *Journal of Mathematical Psychology*, **73**:12–27, August 2016.
- [4] D. CANTONE and M. NICOLOSI ASMUNDO. The decision problem for a three-sorted fragment of set theory with restricted quantification and finite enumerations. *Electronic Notes in Theoretical Computer Science*, **322**(69–86), 2016.
- [5] C. CANTALE, D. CANTONE, M. NICOLOSI-ASMUNDO, and D. SANTAMARIA. Distant reading through ontologies: The case study of catania’s benedictines monastery. *JLIS.it*, **8**(3):205–219, 2017.
- [6] D. CANTONE, C. LONGO, and M. NICOLOSI ASMUNDO. Herbrand-satisfiability of a quantified set-theoretic fragment. *Fundamenta Informaticae*, **150**(1):49–71, 2017.

CAPITOLI DI LIBRI E CURATELE

- [7] D. CANTONE, M. NICOLOSI ASMUNDO, and A. PETTOROSSO. Guest Editors’ Preface: Special Issue on the Italian Conference on Computational Logic (CILC 2013). *Fundamenta Informaticae*, **140**(3–4):i–ii, 2015.
- [8] D. CANTONE and G. DELZANNO (Eds.). *Proceedings of the Seventh International Symposium on Games, Automata, Logics and Formal Verification, Catania, Italy, 14–16 September 2016*, vol. 226. Electronic Proceedings in Theoretical Computer Science (EPTCS), September 2016. Available at <http://eptcs.web.cse.unsw.edu.au/Published/GandALF2016/Proceedings.pdf>.
- [9] D. CANTONE, E. OMODEO, and A. POLICRITI. Banishing ultrafilters from our consciousness. In E. OMODEO and A. POLICRITI (Eds.), *Martin Davis on Computability, Computational Logic, and Mathematical Foundations*, vol. 10 of the series Outstandings Contributions to Logic, pp. 255–284. Springer International Publishing, 2017.

PUBBLICAZIONI SU ATTI DI CONFERENZE E WORKSHOPS:

- [10] D. CANTONE, S. FARO, and M. O. KÜLEKCI. An efficient skip-search approach to the order-preserving pattern matching problem. In J. HOLUB and J. ŽDÁREK (Eds.), *Proc. of the Prague Stringology Conference 2015*, pp. 22–35. Czech Technical University in Prague, Czech Republic, 2015.
- [11] D. CANTONE, C. LONGO, M. NICOLOSI ASMUNDO, and D. F. SANTAMARIA. Web ontology representation and reasoning via fragments of set theory. In B. TEN CATE and A. MILEO (Eds.), *Web Reasoning and Rule Systems, Lecture Notes in Computer Science*, vol. 9209, pp. 61–76, 2015.

- [12] D. CANTONE and M. NICOLOSI ASMUNDO. The decision problem for a three-sorted fragment of set theory with restricted quantification and finite enumerations. In P. CRESCENZI and M. LORETI (Eds.), *16th Italian Conference on Theoretical Computer Science (ICTCS 2015)*, 2015. Available at <http://ictcs2015.disia.unifi.it/PAPERS/paper%2020.pdf>.
- [13] D. CANTONE, M. NICOLOSI ASMUNDO, and D. F. SANTAMARIA. An ontology for ceramics cataloguing (abstract). In *Proc. CAA 2015*, 2015. To appear.
- [14] D. CANTONE, M. NICOLOSI ASMUNDO, D. F. SANTAMARIA, and F. TRAPANI. Ontoceramic: an OWL ontology for ceramics classification. In D. ANCONA, M. MARATEA, and V. MASCARDI (Eds.), *Proceedings of the 29th Italian Conference on Computational Logic (CILC 2015), Genova, Italy, July 1-3, 2015*, vol. 1459, pp. 122–127. CEUR Workshop Proceedings, ISSN 1613-0073, 2015.
- [15] D. CANTONE and S. CRISTOFARO. A variant of Turing machines with no control states and its connection to bounded temporal memory. In V. BILÒ and A. CARUSO (Eds.), *Proc. of the 17th Italian Conference on Theoretical Computer Science (ICTCS 2016), Lecce, Italy, September 7-9th 2016*, vol. 1720, pp. 36–48. CEUR Workshop Proceedings, ISSN 1613-0073, 2016.
- [16] D. CANTONE, A. FORNAIA, M. NICOLOSI ASMUNDO, D. F. SANTAMARIA, and E. TRAMONTANA. An OWL framework for rule-based recognition of places in italian non-structured text. In G. ARMANO, A. BOZZON, and A. GIULIANI (Eds.), *Proc. of 2nd International Workshop on Knowledge Discovery on the Web (KDWeb 2016), Cagliari, Italy, 8-10 September 2016*, vol. 1748, p. 12. CEUR Workshop Proceedings, ISSN 1613-0073, Aachen, 2016. Paper 8, available at <http://ceur-ws.org/Vol-1748/paper-08.pdf>.
- [17] D. CANTONE, A. GIARLOTTA, and S. WATSON. Congruence relations on a choice space: Revealed indiscernibility. In *Proc. of 40th Annual Meeting of the Italian Association for Mathematics Applied to Economic and Social Sciences (AMASES XL), Catania, September 15-17, 2016*, 2016.
- [18] D. CANTONE and M. NICOLOSI ASMUNDO. The decision problem for a three-sorted fragment of set theory with restricted quantification and finite enumerations. *Electronic Notes in Theoretical Computer Science*, **322**(69–86), 2016.
- [19] D. CANTONE, M. NICOLOSI ASMUNDO, and D. F. SANTAMARIA. Conjunctive query answering via a fragment of set theory. In V. BILÒ and A. CARUSO (Eds.), *Proc. of the 17th Italian Conference on Theoretical Computer Science (ICTCS 2016), Lecce, Italy, September 7-9th 2016*, vol. 1720, pp. 23–35. CEUR Workshop Proceedings, ISSN 1613-0073, 2016.
- [20] D. CANTONE, S. FARO, and A. PAVONE. Speeding up string matching by weak factor recognition. In J. HOLUB and J. ŽĎÁREK (Eds.), *Proc. of the Prague Stringology Conference 2017*, pp. 42–50. Czech Technical University in Prague, Czech Republic, 2017.
- [21] D. CANTONE, A. GIARLOTTA, and S. WATSON. The satisfiability problem for Boolean set theory with a choice correspondence, 2017. Submitted to GandALF 2017.
- [22] D. CANTONE, M. NICOLOSI-ASMUNDO, and D. F. SANTAMARIA. A set-theoretic approach to ABox reasoning services. In S. COSTANTINI, E. FRANCONI, W. VAN WOENSEL, R. KONTCHAKOV, F. SADRI, and D. ROMAN (Eds.), *Rules and Reasoning. International Joint Conference, RuleML+RR 2017, London, UK, July 12–15, 2017. Proceedings., Lecture Notes in Computer Science*, vol. 10364, pp. 87–102. Springer, 2017.
- [23] D. CANTONE, M. NICOLOSI-ASMUNDO, and D. F. SANTAMARIA. A C++ reasoner for the description logic $\mathcal{DL}_{\mathcal{D}}^{4,x}$. In D. DELLA MONICA, A. MURANO, S. RUBIN, and L. SAURO (Eds.), *Joint Proceedings of the 18th Italian Conference on Theoretical Computer Science and the 32nd Italian Conference on Computational Logic*, vol. 1949, pp. 276–280. CEUR Workshop Proceedings, ISSN 1613-0073, 2017.
- [24] D. CANTONE and E. G. OMODEO. “One equation to rule them all”, revisited. In *Proc. of Journées sur les Arithmétiques Faibles, JAF 36. 5-7 June, 2017 Steklov Institute of Mathematics at St. Petersburg, Russia*, 2017. Submitted.