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Human & Artificial Cognition

Formal Languages for Knowledge & Agency

**List of Publications (Selection)**

[[AUG2023b](#)] Augusto, L. M. (2023). Supraclassical consequence: Abduction, induction, and probability for commonsense reasoning. *Journal of Knowledge Structures & Systems*, 4(1), 1-46.

[[BAG2023](#)] Badie, F. & Augusto, L. M. (2023). Fuzzy networks for modeling shared semantic knowledge. *Journal of Artificial General Intelligence*, 14(1), 1-14.

[[AUG2023](#)] Augusto, L. M. (2023). Two-level grammars: Some interesting properties of van Wijngaarden grammars. *Omega - Journal of Formal Languages*, 1, 3-34.

[[AUB2022](#)] Augusto, L. M. & Badie, F. (2022). Formal thought disorder and logical form: A symbolic computational model of terminological knowledge. *Journal of Knowledge Structures & Systems*, 3(4), 1-37.

[[AUG2022d](#)] Augusto, L. M. (2022). To be or not to be informed, that is the question of O/ontology. *Journal of Knowledge Structures & Systems*, 3(3), 3-49.

- [BAG2022] Badie, F. & Augusto, L. M. (2022). The form in formal thought disorder: A model of dyssyntax in semantic networking. *AI*, 3, 353-370.
- [AUG2022c] Augusto, L. M. (2022). Entities and their genera: Slicing up the world the medieval way – and does it matter to formal ontology? *Journal of Knowledge Structures & Systems*, 3(2), 4-47.
- [AUG2022b] Augusto, L. M. (2022). *Computational logic. Vol. 1: Classical deductive computing with classical logic*. 3rd ed. London: College Publications. 574 pages.
- [AUG2022a] Augusto, L. M. (2022). Categories and foundational ontology: A medieval tutorial. *Journal of Knowledge Structures & Systems*, 3(1), 1-56.
- [AUG2021c] Augusto, L. M. (2021). *Languages, machines, and classical computation*. 3rd ed. London: College Publications. 326 pages.
- [AUG2021b] Augusto, L. M. (2021). Bridging mainstream and formal ontology: A causality-based upper ontology in Dietrich of Freiberg. *Journal of Knowledge Structures & Systems*, 2(2), 1-35.
- [AUG2021a] Augusto, L. M. (2021). From symbols to knowledge systems: A. Newell and H. A. Simon's contribution to symbolic AI. *Journal of Knowledge Structures & Systems*, 2(1), 29-62.
- [AUG2020e] Augusto, L. M. (2020). Toward a general theory of knowledge. *Journal of Knowledge Structures & Systems*, 1(1), 63-97.
- [AUG2020d] Augusto, L. M. (2020). *Logical consequences. Theory and applications: An introduction*. 2nd ed. London: College Publications. 270 pages.
- [AUG2020c] Augusto, L. M. (2020). *Many-valued logics. A mathematical and computational introduction*. 2nd ed. London: College Publications. 382 pages.
- [AUG2020b] Augusto, L. M. (2020). *Languages, machines, and classical computation*. 2nd ed. London: College Publications. 296 pages.

[AUG2020a] Augusto, L. M. (2020). *Computational logic. Vol. 1: Classical deductive computing with classical logic*. 2nd ed. London: College Publications. 534 pages.

[\[AUG2019b\]](#) Augusto, L. M. (2019). *Formal logic: Classical problems and proofs*. London: College Publications. 426 pages.

[AUG2019a] Augusto, L. M. (2019). *Languages, machines, and classical computation*. London: College Publications. 276 pages.

[AUG2018b] Augusto, L. M. (2018). *Computational logic. Vol. 1: Classical deductive computing with classical logic*. London: College Publications. 484 pages.

[\[AUG2018a\]](#) Augusto, L. M. (2018). Transitions versus dissociations: A paradigm shift in unconscious cognition. *Axiomathes*, 28, 269-291.

[AUG2017b] Augusto, L. M. (2017). *Many-valued logics. A mathematical and computational introduction*. London: College Publications. 342 pages.

[AUG2017a] Augusto, L. M. (2017). *Logical consequences. Theory and applications: An introduction*. London: College Publications. 228 pages.

[\[AUG2016\]](#) Augusto, L. M. (2016). Lost in dissociation: The main paradigms in unconscious cognition. *Consciousness and Cognition*, 42, 293-310.

[\[AUG2014\]](#) Augusto, L. M. (2014). Unconscious representations 2: Towards an integrated cognitive architecture. *Axiomathes*, 24, 19-43.

[\[AUG2013b\]](#) Augusto, L. M. (2013). *Freud, Jung, Lacan: Sobre o inconsciente*. [Freud, Jung, Lacan: On the Unconscious. In Portuguese] Porto: University of Porto (U.Porto editorial). 340 p.

[\[AUG2013a\]](#) Augusto, L. M. (2013). Unconscious representations 1: Belying the traditional model of human cognition. *Axiomathes*, 23, 645-663.

[\[AUG2012b\]](#) Augusto, L. M. (2012). Dietrich of Freiberg's *De origine rerum praedicamentalium*. Translation from the Latin into Portuguese with introduction and notes, Part 3. *Revista Filosófica de Coimbra*, 42, 607-648.

[\[AUG2012a\]](#) Augusto, L. M. (2012). Dietrich of Freiberg's *De origine rerum praedicamentalium*. Translation from the Latin into Portuguese with introduction and notes, Part 2. *Revista Filosófica de Coimbra*, 41, 297-330.

[\[AUG2011b\]](#) Augusto, L. M. (2011). Dietrich of Freiberg's *De origine rerum praedicamentarium*. Translation from the Latin into Portuguese with introduction and notes, Part 1. *Revista Filosófica de Coimbra*, 40, 507-552.

[\[AUG2011a\]](#) Augusto, L. M. (2011). Putting the horse before the cart: A pragmatist analysis of knowledge. *Trans/Form/Ação*, 34, 135-152.

[\[AUG2010b\]](#) Augusto, L. M. (2010). Unconscious knowledge: A survey. *Advances in Cognitive Psychology*, 6, 116-141.

[\[AUG2010a\]](#) Augusto, L. M. (2010). Accommodating unconscious beliefs. *Princípios*, 17, 129-154.

[\[AUG2009b\]](#) Augusto, L. M. (2009). Albertus Magnus and the emergence of late medieval intellectualism. *Mediaevalia*, 28, 27-43.

[\[AUG2009a\]](#) Augusto, L. M. (2009). Do unconscious beliefs yield knowledge? *Revista Filosófica de Coimbra*, 35, 161-184.

[\[AUG2008b\]](#) Augusto, L. M. (2008). Eckhart's Bilder. *Princípios*, 15, 167-186.

[\[AUG2008a\]](#) Augusto, L. M. (2008). Eckhart and the "Unconscious". *Revista Filosófica de Coimbra*, 33, 159-168.

[\[AUG2006\]](#) Augusto, L. M. (2006). A little idealism is idealism enough - A study on idealism in Aristotle's epistemology. *Idealistic Studies*, 36, 61-73.

[\[AUG2005\]](#) Augusto, L. M. (2005). *Who's afraid of idealism? (Epistemological idealism from the Kantian and Nietzschean points of view.)* Lanham, MD: University Press of America. 168 p.

Forthcoming / In progress:

[\[AUG2020\\_IP2\]](#) Augusto, L. M. (in progress). *Logic in knowledge representation and reasoning: Central topics via readings.*

[\[AUG2020\\_IP1\]](#) Augusto, L. M. (in progress). *Knowledge & Logic: Towards a science of knowledge.*

Augusto, L.M. (forthcoming). *Front-End Compilation*. (Tentative title.)

Augusto, L. M. & Badie, F. (forthcoming). Shared conceptualization and semantic knowledge: A fuzzy model for real-world applications.