Literature Machine Psychology, Fall 2024 (Updated 241128)

Books

- Togelius, J. (2024). Artificial General Intelligence. Cambridge, Massachusetts: The MIT Press. (240 pages) *Available as e-book for Stockholm University students here:* https://ebookcentral-proquest-com.ezp.sub.su.se/lib/sub/detail.action?docID=30941481
- Boden, M. (2018). Artificial intelligence: a very short introduction. Oxford : Oxford University Press (164 pages) *Same book with another name available at SU library:* https://ebookcentral-proquest-com.ezp.sub.su.se/lib/sub/detail.action?docID=4545415
- De Houwer, J. & Hughes, S. (2020). The psychology of learning: an introduction from a functional-cognitive perspective. Cambridge, Massachusetts: The MIT Press (Introduction chapter, 31 pages + Chapter 3, 64 pages) *Freely available here:* https://psychologyoflearning.be

Scientific papers

- Hammer, P. (2022, April). Reasoning-learning systems based on non-axiomatic reasoning system theory. In International Workshop on Self-Supervised Learning (pp. 89-107). PMLR. (19 pages) https://proceedings.mlr.press/v192/hammer22a/hammer22a.pdf
- Johansson, R. (2024). Machine Psychology: Integrating Operant Conditioning with the Non-Axiomatic Reasoning System for Advancing Artificial General Intelligence Research. Frontiers in Robotics and AI, 11, 1440631. (16 pages) https://doi.org/10.3389/frobt.2024.1440631
- Johansson, R. (2019, August). Arbitrarily applicable relational responding. In International Conference on Artificial General Intelligence (AGI-2019). Springer, Cham. (10 pages) https://agi-conf.org/2019/wp-content/uploads/2019/07/paper_23.pdf
- Johansson, R., Lofthouse, T., & Hammer, P. (2022, August). Generalized identity matching in NARS. In International Conference on Artificial General Intelligence (AGI-2022), Seattle, USA. Springer, Cham. (7 pages) https://link.springer.com/chapter/10.1007/978-3-031-19907-3_23
- Johansson, R., Hammer, P., & Lofthouse, T. (2024, August). Functional equivalence with NARS. In Artificial General Intelligence (AGI-2024), NARS Workshop, Seattle, USA. (10 pages) https://arxiv.org/abs/2405.03340
- Wang, P., Li, X., & Hammer, P. (2018). Self in NARS, an AGI System. Frontiers in Robotics and AI, 5, 20. (15 pages) https://doi.org/10.3389/frobt.2018.00020
- Wang, P. (2019). On defining artificial intelligence. Journal of Artificial General Intelligence, 10(2), 1-37. (37 pages) https://doi.org/10.2478/jagi-2019-0002
- Wang, P. (2022, April). Intelligence: From Definition to Design (pp. 35-47). PMLR. (13 pages) https://proceedings.mlr.press/v192/wang22a/wang22a.pdf