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### If you know what I mean

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# List of publications

## Journal articles

- de Weerd, H., Verbrugge, R., & Verheij, B. (2015). **Higher-order theory of mind in the Tacit Communication Game**. *Biologically Inspired Cognitive Architectures*, *11*, 10–21.
- van der Post, D. J., de Weerd, H., Verbrugge, R., & Hemelrijk, C. K. (2013). **A novel mechanism for a survival advantage of vigilant individuals in groups**. *The American Naturalist*, *182*, 682–688.
- de Weerd, H., Verbrugge, R., & Verheij, B. (2013). **How much does it help to know what she knows you know? An agent-based simulation study**. *Artificial Intelligence*, *199–200*, 67–92.
- de Weerd, H., & Verbrugge, R. (2011). **Evolution of altruistic punishment in heterogeneous populations**. *Journal of Theoretical Biology*, *290*, 88–103.

## Peer-reviewed conference proceedings

- de Weerd, H., Broers, E., & Verbrugge, R. (2015) Savvy software agents can encourage the use of second-order theory of mind by negotiators. In D. Noelle, R. Dale, A. Warlaumont, J. Yoshimi, T. Matlock, C. Jennings, & P. Maglio (Eds.), *Proceedings of the 37th Annual Meeting of the Cognitive Science Society*, (pp. 542–547).
- de Weerd, H., Verbrugge, R., & Verheij, B. (2014). Theory of mind in the Mod game: An agent-based model of strategic reasoning. In A. Herzig, & E. Lorini (Eds.), *Proceedings of the European Conference on Social Intelligence (ECSI-2014)*, (Vol. 1283 of CEUR Workshop Proceedings, pp. 128–136).
- Bosma, P., de Haan, H. van der Veen, A., Bex, F., & de Weerd, H. (2014) The role of communication in cooperative hunting in a partially observable world. In B. Frénay, M. Verleysen, & P. Dupont (Eds.), *Proceedings of the 23rd Annual Belgian-Dutch Conference on Machine Learning*, (pp. 29–36).

- de Weerd, H., Verbrugge, R., & Verheij, B. (2014). The effectiveness of higher-order theory of mind in negotiations (extended abstract). In J. Szymanik & R. Verbrugge (Eds.), *Proceedings of the Workshop on Reasoning About Other Minds: Logical and Cognitive Perspectives*, (Vol. 1208 of CEUR Workshop Proceedings, pp 35–39).
- de Weerd, H., Verbrugge, R., & Verheij, B. (2014). Agent-based models for higher-order theory of mind. In B. Kamiński, & G. Koloch (Eds.), *Advances in Social Simulation, Proceedings of the 9th Conference of the European Social Simulation Association*, (Vol. 229 of Advances in Intelligent Systems and Computing, pp 213–224).
- de Weerd, H., Verbrugge R., & Verheij, B. (2013) How much does it help to know what she knows you know? An agent-based simulation study (abstract). In K. Hindriks, M. de Weerd, B. van Riemsdijk, & M. Warnier (Eds.), *Proceedings of the 25th Benelux Conference on Artificial Intelligence*, (pp 314–315).
- de Weerd, H., Verbrugge, R., & Verheij, B. (2013). Higher-order theory of mind in negotiations under incomplete information. In G. Boella, E. Elkind, B. Savarimuthu, F. Dignum, & M. Purvis (Eds.), *PRIMA 2013: Principles and Practice of Multi-Agent Systems*, (Vol. 8291 of Lecture Notes in Artificial Intelligence, pp. 101–116).
- de Weerd, H., Verbrugge, R., & Verheij, B. (2012). Higher-order social cognition in the game of rock-paper-scissors: A simulation study. In G. Bonanno, H. van Ditmarsch, & W. van der Hoek (Eds.), *Proceedings of the 10th Conference on Logic and the Foundations of Game and Decision Theory*, (pp. 218–232).
- de Weerd, H., Verbrugge, R., & Verheij, B. (2012). Higher-order social cognition in the game of rock-paper-scissors: A simulation study (extended abstract). In W. van der Hoek, L. Padgham, V. Conitzer, & M. Winikoff (Eds.), *Proceedings of the 11th International Conference on Autonomous Agents and Multiagent Systems*, (pp. 1195–1196).
- de Weerd, H., & Verheij, B. (2011). The advantage of higher-order theory of mind in the game of limited bidding. In J. van Eijck & R. Verbrugge (Eds.), *Proceedings of the Workshop ‘Reasoning about other minds: Logical and cognitive perspectives’*, (Vol. 751 of CEUR Workshop Proceedings, pp. 149–164).

## In preparation

de Weerd, H., Verbrugge, R., & Verheij, B. (submitted to a journal). The adaptive advantage of reasoning about other minds when competition and cooperation are mixed.

de Weerd, H., Verbrugge, R., & Verheij, B. (submitted to a journal). Negotiating with other minds: The role of recursive theory of mind in negotiation with incomplete information.