

PUBLICATIONS OF PATRIK FLORÉEN (BORN 1964) – DECEMBER 2012

A Peer-reviewed scientific articles

1. P. Floréen: “Solving the asymmetric traveling salesman problem with a Boltzmann machine.” Proceedings of the Finnish Artificial Intelligence Symposium, (Helsinki, August 15-18, 1988), eds. M. Mäkelä, S. Linnainmaa, and E. Ukkonen. Finnish Artificial Intelligence Society, 1988, vol. 2, 611-620.
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3. P. Floréen and P. Orponen: “On the computational complexity of analyzing Hopfield nets.” *Complex Systems* 3 (1989), 577-587.
4. P. Floréen, P. Myllymäki, P. Orponen and H. Tirri: “Neural representation of concepts for robust inference.” *Computational Intelligence II (Proceedings of the International Symposium 'Computational Intelligence 89', Milan, Italy, Sept. 25-27, 1989)*. North-Holland, Amsterdam, 1990, 89-98.
5. P. Myllymäki, H. Tirri, P. Floréen, and P. Orponen: “Compiling high-level specifications into neural networks.” Proceedings of the International Joint Conference on Neural Networks (Washington D.C., January 15-19, 1990), ed. M. Caudill. Lawrence Erlbaum Associates, Hillsdale, New Jersey, 1990, vol. 2, 475-478.
6. P. Orponen, P. Floréen, P. Myllymäki, and H. Tirri: “A neural implementation of Bayesian reasoning.” Proceedings of the Finnish Artificial Intelligence Symposium (Oulu, Finland, June 11-14, 1990), eds. M. Djupsund, P. Salonen and M. Syrjänen. Finnish Artificial Intelligence Society, 1990, 277-287.
7. P. Orponen, P. Floréen, P. Myllymäki and H. Tirri: “A neural implementation of conceptual hierarchies with Bayesian reasoning.” Proceedings of the International Joint Conference on Neural Networks (San Diego, June 17-21, 1990). IEEE Press, New York, vol. 1, 297-303.
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11. P. Floréen: “Worst-case convergence times for Hopfield memories.” *IEEE Trans. Neural Networks* 2 (1991), 533-535.
12. P. Floréen: “A new neural associative memory model.” *International Journal of Intelligent Systems*, 7 (1992), 455-467.
13. P. Floréen and P. Orponen: “Attraction radii in binary Hopfield nets are hard to compute.” *Neural Computation* 5 (1993), 812-821.
14. P. B. J. Floréen and J. N. Kok: “The moments of GA.” Proceedings of the Second Finnish Workshop on Genetic Algorithms and their Applications (Vaasa, March 16-18, 1994), ed. J. T. Alander, University of Vaasa, Department of Information Technology and Production Economics, Report 94-2, 1994, 51-59.
15. P. B. J. Floréen, J. N. Kok and M. N. Rasch: “Three methods for tracing a simple genetic

- algorithm.” Proceedings of the 4th Belgian-Dutch Conference on Machine Learning (Rotterdam, June 10, 1994). Erasmus University of Rotterdam, Department of Computer Science, Report EUR-CS-94-05, 148-157.
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 22. P. Floréen, P. Kaski, J. Kohonen and P. Orponen: “Multicast time maximization in energy constrained wireless networks.” Proceedings of the DIALM-POMC Joint Workshop on Foundations of Mobile Computing (DIALM-POMC 2003 at MobiCom 2003, San Diego, Sept. 19, 2003), ACM, 2003, 50-58.
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 28. P. Floréen, M. Przybilski, P. Nurmi, J. Koolwaaij, A. Tarlano, M. Wagner, M. Luther, F. Bataille, M. Boussard, B. Mrohs and S. Lau: “Towards a context management framework for MobiLife.” IST Mobile & Communications Summit, Dresden, June 2005.

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35. P. Floréen, P. Kaski, T. Musto and J. Suomela: "Local approximation algorithms for scheduling problems in sensor networks." *Proceedings of the 3rd International Workshop on Algorithmic Aspects of Wireless Sensor Networks (Algosensors, Wrocław, Poland, July 2007)*. *Lecture Notes in Computer Science* 4837. Springer-Verlag, Berlin, 2008, 99–113.
36. F. Boström, P. Floréen, T. Liu, P. Nurmi, T.-K. Oikarinen, A. Vetek and P. Boda: "Capricorn – an intelligent interface for mobile widgets." *Proceedings of the 2008 International Conference on Intelligent User Interfaces (IUI'08, Maspalomas, Gran Canaria, Spain, January 2008)*, 417–418.
37. S. Bhattacharya, P. Nurmi, J. Kukkonen and P. Floréen: "SerPens - a tool for semantically enriched location information on personal devices." *Proceedings of the 3rd International Conference on Body Area Networks (BodyNets 2008, Tempe, Arizona, March 2008)*. Paper #2950 in the electronic proceedings ISBN 978-963-9799-17-2.
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40. P. Nurmi, E. Lagerspetz, W. Buntine, P. Floréen and J. Kukkonen: "Product retrieval for grocery stores." *Proceedings of the 31st Annual International ACM SIGIR Conference (SIGIR'08, Singapore, July 2008)*, 781-782.
41. F. Boström, P. Nurmi, P. Floréen, T. Liu, T.-K. Oikarinen, A. Vetek and P. Boda: "Capricorn - an intelligent user interface for mobile widgets." *Proceedings of the 10th International Conference on Human Computer Interaction with Mobile Devices and Services (MobileHCI'08, Amsterdam, the Netherlands, September 2008)*, 327-330.
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