

PUBLICATIONS OF PATRIK FLORÉEN (BORN 1964) – AUGUST 2011

A Peer-reviewed scientific articles

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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.
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9. P. Floréen, P. Myllymäki, P. Orponen and H. Tirri: “Compiling object declarations into connectionist networks.” *AI Communications* 3 (1990), 172-183.
10. P. Floréen: “The convergence of Hamming memory networks.” *IEEE Trans. Neural Networks* 2 (1991), 449-457.
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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 20. J. Kurhila, M. Miettinen, P. Nokelainen, P. Floréen and H. Tirri: “Peer-to-peer learning with open-ended writable web.” Proceedings of the 8th Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE 2003, Thessaloniki, Greece, June 30 - July 2, 2003).
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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.
38. P. Floréen, P. Kaski, T. Musto and J. Suomela: "Approximating max-min linear programs with local algorithms." *Proceedings of the 22nd IEEE International Parallel and Distributed Processing Symposium (IPDPS, Miami, Florida, USA, April 2008)*.
39. P. Floréen, M. Hassinen, P. Kaski and J. Suomela: "Tight local approximation results for max-min linear programs." *Proceedings of the 4th International Workshop on Algorithmic Aspects of Wireless Sensor Networks (Algosensors, Reykjavík, Iceland, July 2008)*. *Lecture Notes in Computer Science* 5389. Springer-Verlag, Berlin, 2008, 2-17. **Best Paper Award**
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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57. P. Nurmi and P. Floréen: "Online feature selection for contextual time series data (extended abstract)." Presentation at the PASCAL workshop on Subspace, Latent Structure and Feature Selection Techniques: Statistical and Optimisation Perspectives. Bohinj, Slovenia, Feb 2005. At

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C Scientific books (monographs)

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