Список литературы

[1] U. Aickelin and S. Cayzer, "The danger theory and its application to artificial immune systems," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 141–148. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[2] K. P. Anchor, J. B. Zydallis, G. H. Hunch, and G. B. Lamont, "Extending the computer defense immune system: Network intrusion detection with a multiobjective evolutionary programming approach," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 12–21. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[3] M. Ayara, J. Timmis, R. de Lemos, L. N. de Castro, and R. Duncan, "Negative selection: How to generate detectors," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 89–98. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[4] H. Bersini, "Self-assertion versus self-recognition: A tribute to Francisco Varela," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 107–112. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[5] R. O. Canham and A. M. Tyrrell, "A multilayered immune system for hardware fault tolerance within an embryonic array," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 3–11. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[6] S. Cayzer and U. Aickelin, "On the effects of idiotypic interactions for recommendation communities in artificial immune systems," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 154–160. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[7] D. L. Chao and S. Forrest, "Information immune systems," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 132–140. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[8] C. A. Coello Coello and N. Cruz Cortes, "An approach to solve multiobjective optimization problems based on an artificial immune system," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 212–221. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[9] L. N. de Castro and J. Timmis, "Hierarchy and convergence of immune networks: Basic ideas and preliminary results," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 231–240. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[10] A. Gaspar and B. Hirsbrunner, "From optimization to learning in learning in changing environments: The pittsburgh immune classifier system," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 190–199. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[11] F. Gonzalez and D. Dasgupta, "Neuro-immune and self-organising map approaches to anomaly detection: A comparison," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 203–211. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[12] E. Hart and P. Ross, "Exploiting the analogy between immunology and sparse distributed memories: A system for clustering non-stationary data," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 49–58. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[13] J. Kaers, R. Wheeler, and H. Verrelst, "Building a robust distributed artificial immune systems," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 124–131. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[14] J. Kim and P. J. Bentley, "Immune memory in the dynamic clonal selection algorithm," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 59–67. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[15] ——, "A model of gene library evolution in the dynamic clonal selection algorithm," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 182–189. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[16] R. A. Krohling, Y. Zhou, and A. M. Tyrrell, "Evolving fpga-based robot controllers using an evolutionary algorithm," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 41–46. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[17] G. Marwah and L. Boggess, "Artificial immune systems for classification: Some issues," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 149–153. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[18] T. Morrison and U. Aickelin, "An artificial immune system as a recommender for web sites," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 161–169. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[19] M. Neal, "An artificial immune system for continuous analysis of time-varying data," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 76–85. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[20] S. Sathyanath and F. Sahin, "AISIMAM - an artificial immune system based intelligent multi-agent model and its application to a mine detection problem," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 22–31. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[21] S. Singh, "Anomaly detection using negative selection based on the r-contiguous matching rule," in *Proceedings of the 1st International Conference on Artificial Immune Systems*

(ICARIS), J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 99–106. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[22] S. P. Sokolova and L. A. Sokolova, "Immunocomputing for complex interval objects," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 222–230. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[23] A. O. Tarakanov, L. B. Goncharova, T. V. Gupalova, S. V. Kvachev, and A. V. Sukhorukov, "Immunocomputing for bioarrays," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 32–40. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[24] P. A. Vargas, L. N. de Castro, and F. von Zuben, "Artificial immune systems as complex adaptive systems," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 115–123. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[25] A. Watkins and J. Timmis, "Artificial immune recognition system (airs): Revisions and refinements," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 173–181. [Online]. Available: http://www.aber.ac.uk/icaris-2002

[26] S. Wierzchon and U. Kuzelewska, "Stable clusters formation in an artificial immune system," in *Proceedings of the 1st International Conference on Artificial Immune Systems (ICARIS)*, J. Timmis and P. J. Bentley, Eds. University of Kent at Canterbury: University of Kent at Canterbury Printing Unit, September 2002, pp. 68–75. [Online]. Available: http://www.aber.ac.uk/icaris-2002