Literatura

[1] Abdleazeem, S. and El-Sherif, E.: Arabic handwritten digit recognition. Int. J. Doc. Anal. Recognit., 11: 127–141, December 2008. ISSN 1433–2833.

[2] Balci, O., and Banks, J.: Verification, Validation, and Testing. The Handbook of Simulation, New York, NY, John Wiley & Sons, pp. 335–393, 1998.

[3] Balci, O.: Golden Rules of Verification, Validation, Testing, and Certification of Modeling and Simulation Applications. SCS M&S Magazine, Oct. 2010 Issue 4, The Society for Modeling and Simulation International (SCS), Vista, CA.

[4] Barnsley, M. F.: Fractals Everywhere, Academic Press Professional 1993, ISBN 0-12-079061-0

[5] Beale, R. and Jackson, T.: Neural Computing: An Introduction. J W Arrowsmith Ltd, Bristol, Greit Britain 1992.

[6] Bernon, C., Camps, V., Gleizes, M. P., Picard, G.: Engineering adaptive multi-agent systems: The adelfe methodology. In B. Henderson-Sellers and P. Giorgini, editors, Agent-oriented Methodologies. pages 172–202. Idea Group Pub., Hershey, PA, USA, 2005.

[7] Bishop, C. M. Neural Networks for Pattern Recognition. Clarendon Press, Oxford, UK, 1995. ISBN 0198538642.

[8] Bishop, C. M.: Pattern Recognition and Machine Learning. Springer, 2006. ISBN 0-387-31073-8.

[9] Castiglionet, F., Motta, S., Nicosia, G.: Pattern Recogni-tion Ability of a Multi-Agent Model of the Immune Sys-tem. Canada: ICSC Academic Press, 2001. ISBN 3-906454-25-8.

[10] Ciskowski P, Zaton, M.: Neural Pattern Recognition with Self-organizing Maps for Efficient Processing of Forex Market Data Streams. In Artificial Intelligence and Soft Computing, pp. 307–314, 2010.

[11] Cole, D.: The Chinese Room Argument, 1996.

[12] Cortes, C. and Vapnik,V. Support-vector networks. Machine Learning, 20: 273–297, 1995. ISSN 0885-6125.

[13] De Wolf, T.: Analysing and engineering self-organising emergent applications. PhD thesis, Department of Computer Science, Katholieke Universiteit Leuven, Belgium, 2007.

[14] Deng, L. and Yu, D.: Deep convex network: A scalable architecture for speech pattern classification. In Interspeech, International Speech Communication Association, pages 2285–2288, 2011.

[15] Di Marzo Serugendo, G., Fitzgerald, J., Romanovsky, A., Guelfi, N.: MetaSelf – A framework for designing and controlling self-adaptive and self-organising systems. Technical report, School of Computer Science and Information Systems, Birkbeck College, London, UK, 2008.

[16] Dohnal, M., Kučerová, V.: Metody investičního rozhodování. CERM, Brno 2006. ISBN 80-214-3133-4.

[17] Dostál, P., Rais, K., Sojka, Z.: Pokročilé metody manažerského rozhodování. Grada, Praha 2005. ISBN 80-247-1338-1.

[18] Dostál P., Sojka Z.: Elliottovy vlny, Tribun s.r.o., Brno 2008, ISBN 978-80-7399-630-7.

[19] Elliott, R., N.: Edited and foreworded by Robert R. Prechter, Jr., R.N. Elliott's Market Letters. New Classics Library. (1993–1997). ISBN 0-932750-20-6.

[20] Fausett, L. V.:Fundamentals of Neural Networks. Prentice-Hall, Inc., Englewood Cliffs, New Jersey 1994.

[21] Freund Y., Schapire. R. A short introduction to boosting. J. Japan. Soc. for Artif. Intel., 14(5): 771–780, 1999.

[22] Frost, A. J. and Prechter R. Elliott Wave Principle: Key to Market Behavior. ISBN 0471988499, John Wiley & Sons, 2001.

[23] Gardelli, L., Viroli, M, Casadei, M., Omicini, A.: Designing self-organising environments with agents and artifacts: A simulation-driven approach. Int. Journal of Agent-Oriented Software Engineering, 2(2): 171–195, 2008.

[24] Gershenson C. Design and Control of Self-organizing Systems. Dissertation, Vrije Universiteit Brussel, 2007.

[25] Gershenson, C. Complex philosophy. In Proceedings of the 1st Biennial Seminar on Philosophical, Methodological & Epistemological Implications of Complexity Theory. La Habana, Cuba 2002. [cit. 2012-02-12], URL http://uk.arxiv.org/abs/nlin/0109001v3

[26] Hamming, R. Error detecting and error correcting codes. Bell System Technical Journal, 26(2): 147–160, 1950.

[27] Hebb, D. O. The organization of behavior: A neuropsychological approach. John Wiley & Sons, 1949.

[28] Heylighen, F.: Fitness as default: the evolutionary basis for cognitive complexity reduction. In Cybernetics and Systems '94, R. Trappl, (ed.), p. 1595–1602. Singapore: World Science, 1994. ISBN 9789810217617

[29] Heylighen, F.: The science of self-organization and adaptivity. In The Encyclopedia of Life Support Sys-tems, L. D. Kiel, (ed.). EOLSS Publishers, Oxford. [cit. 2011-05-01], URL http://pcp.vub.ac.be/Papers/EOLSS-Self-Organiz.pdf, 2003.

[30] Chung, J. R, Choe, Y. S Emergence of Memory-like Behavior in Reactive Agents Using External Markers. IEEE International Conference on, pp. 404–408, 2009, 21st IE-EE International Conference on Tools with Artificial Intelligence, 2009. ISBN 978-0-7695-3920-1

[31] Janošek, M.: Optimalizace a adaptace parametrů simulace komplexních samoorganizujících systémů. Elektrorevue – Internetový časopis (http://www.elektrorevue.cz), 2011/55 až 25.10.2011, s.1–7. ISSN 1213-1539.

[32] Janošek, M., Kocian V.: Simulation parameters settings methodology proposal based on leverage points. In Stavrinides, St. G., Banerjee, S., Caglar, H., Ozert, M. (eds.) Chaos and Complex Systems. Proceedings of the 4th International Interdisciplinary Chaos Symposium. Springer. Complexity series 2013, pp. 411–414. ISBN 978-3-642-33913-4.

[33] Janošek, M., Kocian, V., Volná, E.: Complex System Simulation Parameters Settings Methodology. In Zelinka, I., Chen, G., Rössler, O. E., Snášel, V., Abraham, A. (eds.): Nostradamus 2013: Prediction, Modeling and Analysis of Complex Systems, AISC 210. Springer International Publishing Switzerland 2013, pp. 413–422. ISBN 978-3-319-00541-6, ISSN 2194-5357.

[34] Janošek, M., Kocian, V., Volná, E., Kotyrba, M., Habiballa, H.: Predator-Prey Simulation's Parameters and Leverage Points. In Rekdalsbakken, W., Bye, R. T., Zang, H. (eds.): Proceedings 27th European Conference on Modellingand Simulation, ECMS 2013, Alesund, Norway, pp. 367–371. ISBN 978-0-9564944-6-7.

[35] Janošek, M., Volná E.: Adaptace systému na základě charakteristických vzorů. Ve Kelemen, J., Kvasnička, V. (eds.): Kognice a umělý život XI. Opava: Slezská univerzita v Opavě, 2011. s. 87–92. ISBN 978-80-7248-644-1

[36] Janošek, M., Volná E.: Pákové body sytému jako nástroj pro nastavení parametrů simulace. V Kelemen, J., Nahodil, P. (eds.): Kognice a umělý život XII. České vysoké učení technické v Praze, 2012. s. 90–95. ISBN 978-80-86742-34-2

[37] Kelly, K.: Out of Control. New York: Basic Books, 1995. ISBN 978-0201483406.

[38] Kindler E., Weinberger J.: Quasi-Parallel Approach to Optimization. International Journal of Computing Anticipatory Systems, Vo. 21, 2008, pp. 287–290.

[39] Kocian, V., Volná, E.: Ensembles of neural-networks-based classifiers. In R. Matoušek (ed.): Proceedings of the 18th International Conference on Soft Computing, Mendel 2012, Brno, Czech Republic, 2012, pp. 256–261. ISBN 978-80-214-4540-6, ISSN 1803–3814.

[40] Kohonen, T., Oja, E. Simula, O., Visa, A., and Kangas. J. Engineering applications of the self-organizing map. Proceedings of the IEEE, 84(10): 1358–1384, August 2002.

[41] Kocian, V., Volná, E., Janošek, M. and Kotyrba, M. „Optimizatinon of training sets for Hebbian-learning based classifiers". In R. Matoušek (ed.): Proceedings of the 17th International Conference on Soft Computing, Mendel 2011, Brno, Czech Republic, 2011, pp. 185–190. ISBN 978-80-214-4302-0, ISSN 1803-3814.

[42] Kotyrba M., Oplatkova Z., Volna E., Senkerik R., Kocian V., Janosek M.: Times Series Pattern Recognition via Soft Computing. In Proceedings of the International Conference on P2P, Parallel, Grid, Cloud and Internet Computing, IEEE Computer Society, 2011, p. 384–389, ISBN 978-0-7695-4531-8, doi. 10.1109/3PGCIC.2011.72

[43] Kotyrba, M., Jarušek, R., Volna E.: A fractal structure of the time series and prediction (a comparative study to neural network). In R. Matoušek (ed.): Proceedings of the 16th International Conference on Soft Computing, Mendel 2010, Brno, Czech Republic, 2010, pp. 134–139. ISBN 978-80-214-4120-0, ISSN 1803-3814.

[44] Kotyrba, M., Volná, E., Jarušek, R.: Artificial intelligence methods for pattern recognition with fractal structure. In R. Matoušek (ed.): Proceedings of the 18th International Conference on Soft Computing, Mendel 2012, Brno, Czech Republic, 2012, pp. 209–214. ISBN 978-80-214-4540-6, ISSN 1803-3814.

[45] Kotyrba, M., Volná, E., Bražina, D., Jarušek, R.: Elliott waves recognition via neural networks. In Troitzsch, K.G., Möhring, M., Lotzmann, U. (eds.): Proceedings 26th European Conference on Modellingand Simulation, ECMS 2012, Koblenz, Germany, 2012, pp. 361–366. ISBN 978-0-9564944-4-3. doi: 10.7148/2012

[46] Kotyrba, M., Volná, E., Janošek, M., Habiballa, H., Bražina, D.: Methodology for Elliott waves pattern recognition. In Rekdalsbakken, W., Bye, R. T., Zang, H. (eds.): Proceedings 27th European Conference on Modellingand Simulation, ECMS 2013, Alesund, Norway, pp. 349–354. ISBN 978-0-9564944-6-7.

[47] Kubík, Aleš, Inteligentní agenty. 1. vyd. Brno: Computer Press, 2004. 280 s., ISBN 80-251-0323-4.

[48] Lecun, Y. Bottou, L. Bengio, Y. and Haffner P.. Gradient-based learning applied to document recognition. In Proceedings of the IEEE, pp. 2278–2324, 1998.

[49] Masters, T. Practical neural network in C++. Academic Press 1993.

[50] Meadows, D. H.: Leverage points: Places to intervene in a system. The Sustainability Institute, 1999.

[51] Moore M, Roche, M.: Less of a Puzzle – A New Look at the Forward Forex Market. Journal of International Economics 58, 387–411, 2002.

[52] Nahodil, P.: Od jednoduchých robotů k anticipujícím stvořením. In: Mařík V., Štěpánková O., Lažanský J. a kol.: Umělá inteligence 5. Academia, Praha 2007. ISBN 978-80-200-1470-2.

[53] Nahodil, P., Slavík, P. Kadleček, D., Řehoř, D.: Dynamic Analysis of Agent Behaviour Combining ALife Visualization and AI – invited paper. In: LNCS: Volume 3071/2004, Springer- Verlag Haidelberg 2004, pp. 346–359.

[54] Obešlo, P. Seriál Elliottovy vlny, Politika využití Elliottových vln při cenovém vývoji na burze (dostupné na http://www.financnik.cz , online únor 2011).

[55] Pelánek, R.: Modelování a simulace komplexních systémů, Masaryk University, 236 p., 2011. ISBN 978-80-210-5318-2.

[56] Pokorný, M.: Expertní systémy – učební texty, Ostravská univerzita, Ostrava 2004.

[57] Pokorný, M.: Řídicí systémy se znalostí bází, Vysoká škola báňská, Ostrava 1995.

[58] Poser, S. Applying Elliott Wave Theory Profitably. ISBN-10: 0471420077, Publisher: Wiley. 2003.

[59] Prechter, R., Frost, A. J. Elliott wave principle. Published by New Classics Library. Georgia USA 2000. ISBN 978-0-932750-75-4.

[60] Prouza, P. (2010) Automatické obchodní systémy – mýty a pravda. (Dostupné z http://www.fxstreet.cz/eacoderautomaticke-obchodni-systemy-myty-a-pravda.html, online únor 2013)

[61] Puviani, M., Di Marzo Serugendo, G., Frei, R. and Cabri, G.: Methodologies for self-organising systems: a SPEM approach. TR BBKCS-09-05, School of Computer Science and Information Systems, Birbeck College, London, UK, 2009.

[62] Rabiner. L. R. A tutorial on hidden Markov models and selected applications in speech recognition. Proceedings of the IEEE, 77(2):257_286, February 1989. ISSN 0018-9219.

[63] Ranawana, R. and Palade, V. Multi-classifier systems: review and a roadmap for developers, International Journal of Hybrid Intelligent Systems, vol. 3, no. 1, pp. 35–61, 2006.

[64] Shannon, R. E.: Systems Simulation: The Art and Science, Prentice Hall, Upper Saddle River, N. J. 1975.

[65] Trier, O. D. Jain, A. K. and Taxt, T. Feature extraction methods for character recognition-a survey. Pattern Recognition, 29(4): 641–662, 1996.

[66] Turing, A. M. Computing machinery and intelligence, 1950.

[67] Volná E., Janošek, M., Kocian V., Kotyrba M.: Nonlinear Time Series Analysis via Neural Networks. In Stavrinides, St. G., Banerjee, S., Caglar, H., Ozert, M. (eds.) Chaos

and Complex Systems. Proceedings of the 4th International Interdisciplinary Chaos Symposium. Springer. Complexity series. 2013, pp. 415-418. ISBN 978-3-642-33913-4.

[68] Volná E., Janošek, M., Kocian V., Kotyrba M.: System Adaptation based on Characteristic Patterns. In G. Lee (ed.) Proceedings of the International Conference on Mechanical Engineering and Technology (ICMET 2011), London 2011, pp. 99–102. ISBN-978-0-7918-5989-6.

[69] Volna, E. Kotyrba, M., Jarusek, R.: Multiclassifier based on Elliott wave's recognition. Computers and Mathematics with Applications **66** (2013), ISSN: 0898-1221. DOI information: 10.1016/j.camwa.2013.01.012.

[70] Volná, E., Janošek, M., Kocian, V., Kotyrba, M.: Smart time seris prediction. In Snášel, V., Abraham, A., Corchado, E. S. (eds.): Soft Computing Models in Industrial and Environmental Applications, AISC 188, Springer-Verlag Berlin Heidelberg 2013, pp. 211-220. ISBN 978-3-642-32921-0, ISSN 2194-5357, doi:10.1007/978-3-642-32922-7.

[71] Volná, E., Janošek, M., Kotyrba, M., Kocian, V.: Pattern recognition algorithm optimization. In Zelinka, I., Snášel, V., Rössler, O. E., Abraham, A., Corchado, E. S. (eds.): Nostradamus: Modern Methods of Prediction, Modeling and Analysis of Nonlinear Systems, AISC 192. Springer-Verlag Berlin Heidelberg 2013, pp. 251–260. ISBN 978-3-642-33226-5, ISSN 2194-5357, doi:10.1007/978-3-642-33227-2.

[72] Volná, E., Janošek, M., Kotyrba, M., Kocian, V., Oplatková, Z.: Methodology for System Adaptation based on Characteristic patterns. In Dutta, A. (ed.): Robotic Systems – Applications, Control and Programming. InTech, Croatia, 2012, pp. 611–628. ISBN 978-953-307-941-7.

[73] Volná, E., Kotyrba, M. and Kominkova Oplatkova, Z.: Elliott waves classification via softcomputing. In R. Matoušek (ed.): Proceedings of the 19th International Conference on Soft Computing, Mendel 2013, Brno, Czech Republic, 2013, pp. 69–74. ISBN 978-80-214-4755-4, ISSN 1803-3814.

[74] Volná, E., Kotyrba, M., Jarušek, R.: Prediction by means of Elliott waves recognition. In Zelinka, I., Snášel, V., Rössler, O. E., Abraham, A., Corchado, E. S. (eds.): Nostradamus: Modern Methods of Prediction, Modeling and Analysis of Nonlinear Systems, AISC 192. Springer-Verlag Berlin Heidelberg 2013, pp. 241–250. ISBN 978-3-642-33226-5, ISSN 2194-5357, doi:10.1007/978-3-642-33227-2.

[75] Wilensky, U. NetLogo Wolf Sheep Predation model. Center for Connected Learning and Computer-Based Modeling, Northwestern University, Evanston, IL 1997.

[76] Zadeh, L. A. Fuzzy logic, neural networks, and soft computing. Commun. ACM, 37: 77–84, March 1994. ISSN 0001-0782.

[77] Zelinka, I. Aplikovaná informatika. Učební texty VUT v Brně. 1999

[78] Zelinka, I., Oplatková, Z., Šeda, M., Ošmera, P. a Včelař, F. Evoluční výpočetní techniky. Principy a aplikace. BEN – technická literatura, Praha 2009. ISBN 978-80-7300-218-3.

[79] Zelinka, I., Davendra, D., Šenkeřík, R., Jašek, R., Oplatková, Z.: Analytical Programming – a Novel Approach for Evolutionary Synthesis of Symbolic Structures. In Evolutionary Algorithms. Rijeka: InTech, 2011, pp. 149–176.