

- [1] Mehr, D., Richfield, S., 'Neural net application to optical character recognition', IEEE 1st International Conference on Neural Networks, Vol. 4, 1987, pp. 771-777
- [2] Rajavelu, A., Musavi, M., Shirvaikar, V, 'A neural network approach to character recognition', Neural Networks, Vol.2, N°5, 1989, pp. 387-393
- [3] Fukushima, K., Wake, N., 'Handwritten alphanumeric character recognition by the neocognitron', IEEE Transactions on Neural Networks, Vol. 2, N°3, 1991, pp. 355-365
- [4] Bounds, D., Lloyd, P., Mathew, B., 'A comparison of neural networks and other pattern recognition approaches to the diagnosis of low back disorders', Neural Networks, Vol. 3, N°5, 1990, pp. 583-591
- [5] Kaufman, J., Chiabrera, A., Hatem, M., Hakim, N., Figueiredo, M., Nasser, P., Lattuga, S., Pilla, A., Siffert, R., 'A neural network approach for bone fracture healing assessment', IEEE Engineering in Medicine and Biology, Vol. 9, N°3, 1990, pp. 23-30
- [6] Cios, K., Chen, K., Langenderfer, R., 'Use of neural networks in detecting cardiac diseases from echocardiographic images', IEEE Engineering in Medicine and Biology, Vol. 9, N°3, 1990, pp. 58-60
- [7] Lippmann, R., 'Review of neural networks for speech recognition', Neural Computation, Vol. 1, N°1, 1989, pp. 1-38
- [8] Sejnowsky, T., Rosenberg, C., 'Parallel networks that learn to pronounce English text', Complex Systems, 1, 1987, pp. 145-168
- [9] Cottrel, G., Munro, P., Zipser, D., 'Image compression by back propagation: an example of an extensional programming', ICS Report 8702, Univ. of California at San Diego, 1987
- [10] Shea, R., Liu, F., 'Operational experience with a neural network in the detection of explosives in checked airline luggage', IEEE INNS International Conference on Neural Networks, Vol. 2, 1990, pp. 175-178
- [11] Kuperstein, M., Rubinstein, J., 'Implementation of an adaptive neural controller for sensory-motor coordination', IEEE Control Systems Magazine, Vol. 9, N°3, 1989, pp. 25-30
- [12] Fukuda, T., Shibata, T., Kosuge, K., Arai, F., Tokita, M., Mitsuoka, T., 'Neuromorphic sensing and control - application to position, force and impact control for robotic manipulators', 30th IEEE Conference on Decision and Control, Brighton, England, 1991, pp. 162-167
- [13] Narendra, K., Parthasarathy, K., 'Identification and control of dynamical systems using neural networks', IEEE Transactions on Neural Networks, Vol. 1, N°1, 1990, pp. 4-27
- [14] Nguyen, D., Widrow, B., 'Neural networks for self-leaming control systems', IEEE Control Systems Magazine, Vol. 10, N°3, 1990, pp. 18-23
- [15] Lippmann, R., 'An introduction to computing with neural nets', IEEE ASSP Magazine, Vol. 4, N°2, 1987, pp. 4-22
- [16] Anderson, J., Rosenfeld, E., 'Neurocomputing: foundations of research', MIT Press, 1988
- [17] McCulloch, W., Pitts, W., 'A logical calculus of the ideas immanent in nervous activity', Bulletin of Mathematical Biophysics., Vol. 5, 1943, pp. 115-133
- [18] Hebb, D., 'The organization of behaviour', Wiley, 1949
- [19] Rosenblatt, F., 'Principles of neurodynamics', Spartan Books, 1962
- [20] Widrow, B., 'An adaptive "Adaline", neuron using chemical "memistors" ',

- Stanford Electronics Labs., Stanford, USA, Tech. Report 1553-2, 1960
- [21] Widrow, B., Hoff, M., 'Adaptive switching circuits', 1960 WESCON Convention Record, 1960, pp. 96-104
- [22] Widrow, B., Smith, F., 'Pattern recognizing control systems', Computer and Information Sciences, Symposium Proceedings, Spartan Books, 1963
- [23] Minsky, M., Papert, S., 'Perceptrons', MIT Press, 1969
- [24] Amari, S., 'A theory of adaptive patterns classifiers', IEEE Transactions Electronic Computers, Vol. 16, N°3, 1967, pp. 299-307
- [25] Anderson, J., 'A memory storage model utilizing spatial correlation functions', Kybernetik, N2 5, 1968, pp. 113-119
- [26] Fukushima, K., 'Cognitron: a self-organizing multilayered neural network', Biological Cybernetics, Vol. 4, N° 20, 1975, pp. 121-136
- [27] Grossberg, S., 'Embedding fields: a theory of learning with physiological implications', J. Math. Psych., N2 6, 1969, pp. 209-239
- [28] Kohonen, T., 'Correlation matrix memories', IEEE Transactions on Computers, Vol. 21, N- 4, 1972, pp. 353-359
- [29] Hopfield, J., 'Neural networks and physical systems with emergent collective computational abilities', Proc. Nat. Acad. Sci., USA, 79, 1982, pp. 2554-2558
- [30] Hopfield, J., 'Neurons with graded responses have collective computational properties like those of two-state neurons', Proc. Nat. Acad. Sci., USA, 81, 1984, pp. 3088-3092
- [31] Rumelhart, D., McClelland, J. & the PDP Research Group, 'Parallel distributed processing', Vols. 1 and 2, MIT Press, 1986
- [32] Vemuri, V., 'Artificial neural networks: an introduction', IEEE Technology Series - Artificial Neural Networks: Theoretical Concepts, 1988, pp. 1-11
- [33] Hecht-Nielsen, R., 'Neurocomputing: picking the human brain', IEEE Spectrum, Vol. 25, N2 3, 1988, pp. 36-41
- [34] Mead, C., 'Analog VLSI and neural systems', Addison-Wesley, 1989
- [35] Murray, A., 'Silicon implementations of neural networks', First IEE International Conference on Artificial Neural Networks, U.K., 1989, pp.27-32
- [36] Hecht-Nielsen, R., 'Neurocomputing', Addison Wesley, 1990
- [37] Strange, P., 'Basic brain mechanisms: a biologist's view of neural networks', IEE Colloquium on 'Current issues in neural network research', Digest N° 1989/83, 1989, pp. 1-5
- [38] Antsaklis, R, 'Neural networks in control systems', IEEE Control Systems, Vol. 10, N2 3, 1990, pp. 3-5
- [39] Kohonen, T., 'Self-organization and associative memory', 2nd ed., Springer-Verlag, 1988
- [40] Broomhead, D., Lowe, D., 'Multivadable functional interpolation and adaptive networks', Complex Systems, N°2, 1988, pp. 321-355
- [41] Cox, M.G., 'Algorithms for spline curves and surfaces', NPL Report DITC 166/90
- [42] Albus, J., 'The Cerebellar model articulation controller', Transactions ASME, series G, Vol. 97, N°3, 1975
- [43] Barto, A., Sutton, R., Anderson, C., 'Neuron-like adaptive systems that can solve difficult learning control problems', IEEE Transactions on Systems, Man & Cybernetics, Vol. 13, N° 5, 1983, pp. 834-846
- [44] Carpenter, G., Grossberg, S., 'The ART of adaptive pattern recognition by a self-organizing neural network', IEEE Computer, Vol. 21, N° 3, 1988, pp. 77-

