

Computer Sciences

2004-2005 Faculty Peer-Reviewed Publications

Self Report

* CWU Graduate Student

† CWU Undergraduate Student

Razvan Andonie

Refereed Conference Publications

Cataron, A. & R. Andonie (2004). *Energy Generalized LVQ with Relevance Factors*, Proceedings of the International Joint Conference on Neural Networks (IJCNN 2004), Budapest, Hungary, July, 2004, pp. 1421-1426.

Cataron, A. & R. Andonie (2004). *Computing OWA Weights as Relevance Factors*, Proceedings of the 9th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM '2004), Brasov, Romania, May, 2004, pp. 173-178.

Andonie, R. & B. Kovalerchuk (2004). *Neural Networks for Data Mining: Constrains and Open Problems*, Proceedings of the 12th European Symposium on Artificial Neural Networks (ESANN 2004), M. Verleysen (ed.), Bruges, Belgium, April, 2004, pp. 449-458.

Andonie, R. & A. Cataron (2004). *An Informational Energy LVQ Approach for Feature Ranking*, Proceedings of the 12th European Symposium on Artificial Neural Networks (ESANN'2004), M. Verleysen (ed.), Bruges, Belgium, April, 2004, pp. 471-476.

Andonie R. & L. Sasu (2004). *Convergence Properties of a Fuzzy ARTMAP Network*, Proceedings of the 12th European Symposium on Artificial Neural Networks (ESANN'2004), M. Verleysen (ed.), Bruges, Belgium, April, 2004, pp. 495-500.

Boris Kovalerchuk

Kovalerchuk, B. & J. Schwing Eds. (2004) *Visual and Spatial Analysis: Advances in Data Mining, Reasoning and Problem Solving*, 600 pp., Springer, Dordrecht, The Netherlands.

Refereed Journal and Conference Publications

Kovalerchuk, B., W. Sumner, M. Curtiss, M. Kovalerchuk & R. Chase[†] (2004). *Matching image feature structures using the shoulder analysis method*, Proceedings of SPIE (The International Society for Optical Engineering) v. 5425, pp. 508-519, in: S.S. Shen & P. Lewis: Algorithms and Technologies for Multispectral, Hyperpectral, and Ultraspectral Imagery X.

Vityaev, E. & B. Kovalerchuk (2004). *Empirical Theories Discovery based on the Measurement Theory*, Mind and Machine, 14(4):551-573.

Vityaev, E. & B. Kovalerchuk (2004). *Data mining in finance: from extremes to realism*, Journal of Financial Transformation, http://www.capco.com/pdf/journal_11/j11art13.pdf.

Andonie, R. & B. Kovalerchuk (2004). *Neural Networks for Data Mining: Constrains and Open Problems*, Proceedings of the 12th European Symposium on Artificial Neural Networks (ESANN 2004), M. Verleysen (ed.), Bruges, Belgium, April, 2004, pp. 449-458.

Jim Schwing

Kovalerchuk, B. & J. Schwing Eds. (2004) *Visual and Spatial Analysis: Advances in Data Mining, Reasoning and Problem Solving*, 600 pp., Springer, Dordrecht, The Netherlands.