

PUBLICATIONS

Daw, D. A. A., K. B., Seman, & M. B. M Saudi,. (2014). A New Algorithm For Prediction WIMAX Traffic Based On Artificial Neural Network Models.

Daw, D. A. A., K. B., Seman, & M. B Mohd,. (2014). FORECASTING THE WIMAX TRAFFIC VIA MODIFIED ARTIFICIAL NEURAL NETWORK MODELS. *International Journal of Artificial Intelligence & Applications*, 5(5).

Abdullah, I. B., D. A. A., Daw, & , K. B Seman. (2015). Traffic Forecasting and Planning of WiMAX under Multiple Priority Using Fuzzy Time Series Analysis. *Journal of Applied Mathematics and Physics*, 3(01), 68.

UNIVERSITI SAINS ISLAM MALAYSIA
جامعة العلوم الإسلامية
ISLAMIC SCIENCE UNIVERSITY OF MALAYSIA

BIBLIOGRAPHY

Abdul Hamid, M. B. & T. K. Abdul Rahman, (2010). Short Term Load Forecasting Using an Artificial Neural Network Trained by Artificial Immune System Learning Algorithm. 12th International Conference on Computer Modeling and Simulation (UKSim), 2010.

Abdullah, L. & C. Y. Ling, (2012). Intervals in Fuzzy Time Series Model Preliminary Investigation for Composite Index Forecasting. ARPN Journal of Systems and Software, VOL. 2, NO. 1, January 2012.

Abdulla, S.A.M. (2010). AN EMPIRICAL ANALYSIS OF LIBYAN BUSINESS ENVIRONMENT AND FOREIGN DIRECT INVESTMENT. Doctoral thesis. Durham University, 2010.

Abdullah, I. B., D. A. A., Daw, & , K. B Seman. (2015). Traffic Forecasting and Planning of WiMAX under Multiple Priority Using Fuzzy Time Series Analysis. *Journal of Applied Mathematics and Physics*, 3(01), 68.

Adhicandra, I. (2010). Measuring Data and VoIP Traffic in WiMAX Networks. JOURNAL OF TELECOMMUNICATIONS, VOLUME 2, ISSUE 1, APRIL 2010.

Aggarwal, L., Aggarwala, K. & , R. J. Urbanic (2014). Use of artificial neural networks for the development of an inverse kinematic solution and visual identification of singularity zone(s). *Procedia CIRP* 17 (2014) 812 – 817.

Ahmadzadeh, A. M., J. E., Sanchez-García, Saavedra-Moreno, B., Portilla-Figueras, A. & Salcedo-Sanz, S. (2012). Capacity estimation algorithm for simultaneous support of multi-class traffic services in Mobile WiMAX. *Computer Communications*, Volume 35, Issue 1, 1 January 2012, Pages 109-119.

Ahmed, M. (2013). The Prediction of Demands for Bandwidth in Computer Network

Through Fuzzy Time Series Song-Chissom Method. *Computer Engineering and Intelligent Systems* www.iiste.org, ISSN 2222-1719 (Paper) ISSN 2222-2863 (Online), Vol.4, No.1, 2013.

Aksoy, A., Öztürk, N. & E. Sucky (2014). Demand forecasting for apparel manufacturers by using neuro-fuzzy techniques. *Journal of Modelling in Management*, Vol. 9 Iss 1 pp. 18 – 35

Aliev, R., Fazlollahi, B., R Aliev, & B. Guirimov, (2006). Fuzzy Time Series Prediction Method Based on Fuzzy Recurrent Neural Network. *Lecture Notes in Computer Science* Volume 4233, 2006, pp 860-869.

Alsahag, A. M., B. M., Ali, N. K Noordin, & H. Mohamad, (2014). Fair uplink bandwidth allocation and latency guarantee for mobile WiMAX using fuzzy adaptive deficit round robin. *Journal of Network and Computer Applications*, Volume 39, March 2014, Pages 17-25.

Amores, J., Sebe, N. & P. Radeva (2006). Boosting the distance estimation: Application to the K-Nearest Neighbor Classifier. *Pattern Recognition Letters*, Volume 27, Issue 3, February 2006, Pages 201-209.

Anouari, T. & Haqiq, A. (2012). Performance Analysis of VoIP Traffic in WiMAX using various Service Classes. *International Journal of Computer Applications* (0975 – 8887). Volume 52– No.20, August 2012.

Arlot, S. (2010). A survey of cross-validation procedures for model selection. *Statistics Surveys*, Vol. 4 (2010) 40–79.

Atsawathawichok, P., Teekaput, P. & Ploysuwan, T. (2014). Long term peak load forecasting in Thailand using multiple kernel Gaussian Process. 11th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON), 2014.

Audhkhasi, K., Osoba, O. & Kosko, B. (2013). Noise benefits in backpropagation and deep bidirectional pre-training. The 2013 International Joint Conference on Neural Networks (IJCNN), 2013.

Baboo, S. S. & I. K. Shereef (2010). An Efficient Weather Forecasting System using Artificial Neural Network. *International Journal of Environmental Science and Development*, Vol. 1, No. 4, October 2010.

Bai, Y. , Ma, K. & Ren, Q. (2010). A NN-GM (1,1) model - based analysis of network traffic forecasting. 3rd IEEE International Conference on Broadband Network and Multimedia Technology (IC-BNMT), 2010.

Barrow, D.K. & S. F. Crone (2013). Crogging (cross-validation aggregation) for forecasting — A novel algorithm of neural network ensembles on time series subsamples. *International Joint Conference on Neural Networks (IJCNN)*, The 2013.

Bas, E., Uslu, V. R., Yolcu, U. & Egrioglu, E. (2014). A modified genetic algorithm for forecasting fuzzy time series. *Journal Applied Intelligence* Volume 41 Issue 2, September 2014.

Bassil, Y. (2012). A Simulation Model for the Waterfall Software Development Life Cycle. *International Journal of Engineering & Technology (iJET)*, Vol. 2, No. 5, 2012.

Basu, J. K., Bhattacharyya, D. & Kim, T. H. (2010). Use of Artificial Neural Network in Pattern Recognition. *International Journal of Software Engineering and Its Applications*, Vol. 4, No.2, April 2010.

Beliakov, G. & Li, G, (2012). Improving the speed and stability of the k-nearest neighbors method. *Pattern Recognition Letters*, Volume 33, Issue 10, 15 July 2012, Pages 1296-1301.

Bello, G., Menéndez, H., Okazaki, S. & Camacho, D. (2013). Extracting Collective Trends from Twitter Using Social-Based Data Mining. *Computational Collective Intelligence. Technologies and Applications Lecture Notes in Computer Science* Volume 8083, 2013, pp 622-630.

Benson, T., Akella, A. & Maltz, D. A. (2010). Network traffic characteristics of data centers in the wild. *IMC '10 Proceedings of the 10th ACM SIGCOMM conference on Internet measurement*.

Betiku, E. & Taiwo, A. E. (2015). Modeling and optimization of bioethanol production from breadfruit starch hydrolyzate vis-à-vis response surface methodology and artificial neural network. *Renewable Energy*, Volume 74, February 2015, Pages 87-94.

Bohn, A., Buchta, C., Hornik, K. & Mair, P. (2014). Making friends and communicating on Facebook: Implications for the access to social capital. *Social Networks*, Volume 37, May 2014, Pages 29-41.

Box, G. E. P. and Jenkins, G. M. (1976). *Time Series Analysis : Forecasting and Control*. San Francisco, Holden-Day.

Box, G. E. P. and G. M Jenkins,. and G. C. Reinsel, (1994). *Time Series Analysis, Forecasting and Control*. Prentice-Hall, Englewood Cliffs.

Buhari, M. & S. S. Adamu, (2012). Short-Term Load Forecasting Using Artificial Neural Network. *Proceedings of the International MultiConference of Engineers and Computer Scientists 2012 Vol I, IMECS 2012*.

Cai, Q., Zhang, D., W. Zheng, & S. C. H. Leung, (2015). A new fuzzy time series forecasting model combined with ant colony optimization and auto-regression. *Knowledge-Based Systems*, Volume 74, January 2015, Pages 61-68.

Callander, S. (2011). Searching and Learning by Trial and Error. *American Economic Review* 101 (October 2011): 2277–2308.

Cao, J., Lin, Z., G. B. Huang, & N. Liu, (2012). Voting based extreme learning machine. *Information Sciences*, Volume 185, Issue 1, 15 February 2012, Pages 66-77.

Carvalho, T., J. J., Júnior, Valente, W., Natalino, C., Francês, R. & Dias, K. L. (2013). A Mobile WiMAX Mesh Network with Routing Techniques and Quality of Service Mechanisms, *Selected Topics in WiMAX*, Dr. Gianni Pasolini (Ed.), ISBN: 978-953-51-1157-3, InTech, DOI: 10.5772/55863. Available from: <http://www.intechopen.com/books/selected-topics-in-wimax/a-mobile-wimax-mesh-network-with-routing-techniques-and-quality-of-service-mechanisms>

Castelli, I. & Trentin, E. (2014). Combination of supervised and unsupervised learning for training the activation functions of neural networks. *Pattern Recognition Letters*, Volume 37, 1 February 2014, Pages 178-191.

Chakraborty, G.&Chakraborty, B. (2000). A novel normalization technique for unsupervised learning in ANN. *IEEE Transactions on Neural Networks*, Volume:11, Issue: 1.

Che, Z. G., T. A Chiang,. & Che, Z. H. (2011). FEED-FORWARD NEURAL NETWORKS TRAINING: A COMPARISON BETWEEN GENETIC ALGORITHM AND BACK-PROPAGATION LEARNING ALGORITHM. *International Journal of Innovative Computing, Information and Control*, Volume 7, Number 10, October 2011.

Chel, H., Majumder, A. & D. Nandi, (2011). Scaled Conjugate Gradient Algorithm in Neural Network Based Approach for Handwritten Text Recognition. *Trends in Computer Science, Engineering and Information Technology Communications in Computer and Information Science* Volume 204, 2011, pp 196-210.

- Chen, D. T. (2007). On the Analysis of Using 802.16e WiMAX for Point-to-Point Wireless Backhaul. IEEE Radio and Wireless Symposium, 2007.
- Chen, G. M. (2011). Tweet this: A uses and gratifications perspective on how active Twitter use gratifies a need to connect with others. *Computers in Human Behavior*, Volume 27, Issue 2, March 2011, Pages 755-762.
- Chen, S. M. & , S. W. Chen (2014). Fuzzy Forecasting Based on Two-Factors Second-Order Fuzzy-Trend Logical Relationship Groups and the Probabilities of Trends of Fuzzy Logical Relationships. *IEEE Transactions on Cybernetics*, Volume: PP, Issue: 99, 2014.
- Chetty, M., Banks, R., A. J., Brush, , J. Donner & R.Grinter, (2012). You're capped: understanding the effects of bandwidth caps on broadband use in the home. CHI '12 Proceedings of the SIGCHI Conference on Human Factors in Computing Systems Pages 3021-3030.
- Chou, M. T. (2011). LONG-TERM PREDICTIVE VALUE INTERVAL WITH THE FUZZY TIME SERIES. *Journal of Marine Science and Technology*, Vol.19, No. 5, pp. 509-513 (2011).
- Cohen, P. R. & Howe, A. E. (1989). Toward AI Research Methodology. Three Case Studies in Evaluation. *IEEE Transactions on Systems, Man, and Cybernetics*. Vol. 19, No. 3, May/June, 1989.
- Christodoulos, C., Michalakelis, C. & Dimitris Varoutas, D. (2010). Forecasting with limited data: Combining ARIMA and diffusion models. *Technological Forecasting & Social Change* 77 (2010) 558–565.
- Cicconetti, C., Lenzini, L., Mingozi, E. & Eklund, C. (2006). Quality of service support in IEEE 802.16 networks. *Network, IEEE* , vol.20, no.2, pp.50,55, March-April 2006.
- Contreras, J., Espínola, R., Nogales, F. J. & Conejo, A. J. (2003). ARIMA Models to Predict Next-Day Electricity Prices. *IEEE TRANSACTIONS ON POWER SYSTEMS*, VOL. 18, NO. 3, AUGUST 2003.
- Damiri, D. J. & C. Slamet. (2012). Application of Image Processing and Artificial Neural Networks to Identify Ripeness and Maturity of the Lime (*citrus medica*). *INTERNATIONAL JOURNAL OF BASIC AND APPLIED SCIENCE*, Vol. 01, No. 02, Oct 2012.
- De-Godoy-Stenico, J. W. & L. L. Ling, (2013). A New Binomial Conservative Multiplicative Cascade Approach for Network Traffic Modeling. *IEEE 27th International Conference on Advanced Information Networking and Applications (AINA)*, 2013.
- Deng, X., Zhang, L., H. Lin, & L.Luo, (2015). Pheromone mark ant colony optimization with a hybrid node-based pheromone update strategy. *Neurocomputing*, Volume 148, 19 January 2015, Pages 46-53.
- Di Martino, F., V.Loia, & S.Sessa, (2011). Fuzzy transforms method in prediction data analysis. *Journal of Fuzzy Sets and Systems* Volume 180 Issue 1, October, 2011 Pages 146-163.

Djidjev, H., Sandine, G., C Storlie, & S. V. Wiel (2011). Graph Based Statistical Analysis of Network Traffic. MLG '11 San Diego, CA, USA, 2011.

Duda, R. O., P. E. Hart, & D. G. Stork, (2001). Pattern Classification. John Wiley & Sons, Inc, 2001.

Dumitru, C. & V.Maria, (2013). Advantages and Disadvantages of Using Neural Networks for Predictions. Ovidius University Annals, Economic Sciences Series, 2013, vol. XIII, issue 1, pages 444-449.

Duru, O. & E.Bulut, (2014). A non-linear clustering method for fuzzy time series: Histogram damping partition under the optimized cluster paradox. Applied Soft Computing, Volume 24, November 2014, Pages 742-748.

Duru, O. & S.Yoshida, (2011). Is Fuzzy Time Series a fallacy? : Potentials and limitations of fuzzy set approach in time series analysis. International Symposium on Forecasting, Prague.

Ekola, T., Laurikkala, M., Lehto, T. & Koivisto, H. (2004). Network traffic analysis using clustering ants. Automation Congress, 2004. Proceedings. World , vol.17, no., pp.275,280, June 28 2004-July 1 2004.

Egrioglu, E., U., YolcuAladag, H. C. & Kocak, C. (2013). An ARMA Type Fuzzy Time Series Forecasting Method Based on Particle Swarm Optimization. Mathematical Problems in Engineering Volume 2013. Hindawi Publishing Corporation.

Fan, P., Li, G., Yuan, L. & Y. Li,. (2012). Vague continuous K-nearest neighbor queries over moving objects with uncertain velocity in road networks. Information Systems, Volume 37, Issue 1, March 2012, Pages 13-32

Fouldsa, L. R. , do Nascimentoa, H. A. D., Calixtoa, I. C. A. C., Hallb, B. R. & Longo, H. (2013). A fuzzy set-based approach to origin–destination matrix estimation in urban traffic networks with imprecise data. European Journal of Operational Research Volume 231, Issue 1, 16 November 2013, Pages 190–201.

Gangwara, S. S. & S.Kumar, (2014). PROBABILISTIC AND INTUITIONISTIC FUZZY SETS–BASED METHOD FOR FUZZY TIME SERIES FORECASTING. Cybernetics and Systems: An International Journal Volume 45, Issue 4, 2014.

Gao, B., Zhang, Q., Liang, Y. & N. Zhang. (2012). LRD network traffic predicting based on SRD model. International Conference on Wireless Communications & Signal Processing (WCSP), 2012.

Ghazal, S., Mokdad, L. & Ben-Othman, J. (2008). Performance Analysis of UGS, rtPS, nrtPS Admission Control in WiMAX Networks. Communications, 2008. ICC '08. IEEE International Conference on , vol., no., pp.2696,2701, 19-23 May 2008.

Ghosh, B., Basu, B. & M, O'Mahony. (2005). Time-series modelling for forecasting vehicular traffic flow in Dublin: In proceedings of the 84th Transportation Research Board Annual Meeting, Washington D.C., January 9th-13th, 2005, pp 1-22.

Gopalakrishnan, K. (2010). Effect of training algorithms on neural networks aided pavement diagnosis. *International Journal of Engineering, Science and Technology*, Vol. 2, No. 2, 2010, pp. 83-92.

Gori, F. (2013). Mass and energy-capital conservation equations to forecast monthly oil price. *Applied Thermal Engineering*, Volume 61, Issue 2, 3 November 2013, Pages 623-632.

Govardhan, M. & R. Roy, (2015). Generation scheduling in smart grid environment using global best artificial bee colony algorithm. *International Journal of Electrical Power & Energy Systems*, Volume 64, January 2015, Pages 260-274.

Green, M., Ekelund, U., L., Edenbrandt, J., Björk, J. L. Forberg, & M. Ohlsson, (2009). Exploring new possibilities for case-based explanation of artificial neural network ensembles. *Neural Networks*, Volume 22, Issue 1, January 2009, Pages 75-81.

Guerard, J. B. Jr. (2013). *Introduction to Financial Forecasting in Investment Analysis*. Springer Science+Business Media New York 2013.

Guo, G., Wang, H., Bell, D., Bi, Y. & K.Greer, (2004). An kNN Model-Based Approach and Its Application in Text Categorization. *Computational Linguistics and Intelligent Text Processing Lecture Notes in Computer Science* Volume 2945, 2004, pp 559-570.

Guo, Q., Wang Q. & K.Guo, (2008). Exploration of fuzzy system in decision making—relationship of fuzzy error logic decomposition word Tf and connotative antithesis +nhdl . *IEEE International Conference on Industrial Engineering and Engineering Management*, 2008. IEEM 2008.

Guohui, L., Yanhong, L., Jianjun, L., Shu, L. C. & Fumin, Y. (2010). Continuous reverse k nearest neighbor monitoring on moving objects in road networks. *Information Systems* 35 (2010) 860–883.

H. Ahn, M. E. Wijaya and B. C. Esmero, "Understanding of Korean Smartphone User", *Advanced Science and Technology Letters*, vol. 39 (Games and Graphics 2013), December 9-Jeju, Republic of Korea, (2013), pp. 149-152.

Haaparanta, L. (2009). *The Development of Modern Logic*. Oxford University Press, 2009.

Hall, J. & Mars, P. (1998). The limitations of artificial neural networks for traffic prediction. *Third IEEE Symposium on Computers and Communications*, 1998. ISCC '98.

Hall, J. & Mars, P. (2000). Limitations of artificial neural networks for traffic prediction in broadband networks. *IEE Proceedings-Communications*, Vol. 147, No. 2, April 2000.

Hametner, C., Stadlbauer, M., Deregnaucourt, M., Jakubek, S. & Winsel, T. (2013). Optimal experiment design based on local model networks and multilayer perceptron networks. *Engineering Applications of Artificial Intelligence*, Volume 26, Issue 1, January 2013, Pages 251-261.

- Hao Z., Berg, A.C., Maire, M. & J.Malik, (2006). SVM-KNN: Discriminative Nearest Neighbor Classification for Visual Category Recognition. IEEE Computer Society Conference on Computer Vision and Pattern Recognition, 2006.
- Hassan, J. (2014). ARIMA and regression models for prediction of daily and monthly clearness index. *Renewable Energy*, Volume 68, August 2014, Pages 421-427.
- Henderson, B. J. & J. M Marks,. (2013). Predicting forecast errors through joint observation of earnings and revenue forecasts. *Journal of Banking & Finance*, Volume 37, Issue 11, November 2013, Pages 4265-4277.
- Hernández, L., Baladrón, C., Aguiar, J. M., Carro, B., Sánchez-Esguevillas, A. & Lloret, J. (2014). Artificial neural networks for short-term load forecasting in microgrids environment. *Energy*, Volume 75, 1 October 2014, Pages 252-264.
- Herrero, A., Corchado, E. & Jiménez, A. (2011). Unsupervised neural models for country and political risk analysis. *Expert Systems with Applications*, Volume 38, Issue 11, October 2011, Pages 13641-13661.
- Hinton, G. E. (2007). Learning multiple layers of representation. *TRENDS in Cognitive Sciences Vol.11 No.10*, 2007.
- Hong, W. C., Dong, Y., Zhang, W. Y., Chen, L. Y. & Panigrahi, B. K. (2013). Cyclic electric load forecasting by seasonal SVR with chaotic genetic algorithm. *International Journal of Electrical Power & Energy Systems*, Volume 44, Issue 1, January 2013, Pages 604-614.
- Hosseini, S. M., Fard, M. Y. & Baboli, M. S. (2011). A New Method For Stock Price Index Forecasting Using Fuzzy Time Series. *Australian Journal of Basic & Applied Sciences*;2011, Vol. 5 Issue 12, p894.
- Hu, K., Sim, A., Antoniadis, D. & Dovrolis, C. (2013). Estimating and Forecasting Network Traffic Performance Based on Statistical Patterns Observed in SNMP Data. *Machine Learning and Data Mining in Pattern Recognition. Lecture Notes in Computer Science Volume 7988*, 2013, pp 601-615.
- Huang, K. (2001). Effective lengths of intervals to improve forecasting in fuzzy time series. *Fuzzy Sets and Systems*, Volume 123, Issue 3, 1 November 2001, Pages 387–394.
- Huang, K. & Yu, T. H. (2006). Ratio-based lengths of intervals to improve fuzzy time series forecasting. *IEEE Trans Syst Man Cybern B Cybern*. 2006 Apr;36(2):328-40.
- Hussain, M. (2010). Fuzzy Relations. MSc Thesis. Blekinge Institute of Technology, 2010.
- Hrudey, W. W. (2009). MEng Thesis. Simon Fraser University, 2009.
- Hyndman, R. J. & Khandakar, Y. (2008). Automatic Time Series Forecasting: The forecast Package for R. *Journal of Statistical Software* July 2008, Volume 27, Issue 3.
- Ibrahimi, M. I., Ahsan, M. R. & O. O.Khalifa (2013). Design and Optimization of Levenberg-Marquardt based Neural Network Classifier for EMG Signals to Identify Hand Motions. *MEASUREMENT SCIENCE REVIEW*, Volume 13, No. 3, 2013.

Ismail, Z., Yahya, A. & A. Shabri, (2009). Forecasting Gold Prices Using Multiple Linear Regression Method. *American Journal of Applied Sciences* 6 (8): 1509-1514, 2009.

Imandoust, S. B. & Bolandraftar, M. (2013). Application of K-Nearest Neighbor (KNN) Approach for Predicting Economic Events: Theoretical Background. *Int. Journal of Engineering Research and Applications* Vol. 3, Issue 5, Sep-Oct 2013, pp.605-610 .

Iyer, P., Natarajan, N., Venkatachalam, M., Bedekar, A, Gonen, E., Etemad, K. & Taaghoh, P. (2007). All-IP network architecture for mobile WiMAX. *Mobile WiMAX Symposium, 2007. IEEE* , pp.54,59, 25-29 March 2007.

Jayaram, G. & K. Abdelhamied, (1995). Experiments in dysarthric speech recognition using artificial neural networks. *Journal of Rehabilitation Research and Development* Vol . 32 No . 2, May 1995, Pages 162-169.

Jiang, S., G., Pang, Wu, W. & L. Kuang, (2012). An improved K-nearest-neighbor algorithm for text categorization. *Expert Systems with Applications*, Volume 39, Issue 1, January 2012, Pages 1503–1509.

Jing-Ran, L., Yu-Bai, L. & Qi-Cong, P. (2013). International Conference on Communications, Circuits and Systems (ICCCAS), 2013. A green cellular network with maximum user number based on joint base station assignment and power allocation.

Joon-Myung K., S. Sin-seok, & J. W. K. Hong, (2011). Usage pattern analysis of smartphones. *13th Asia-Pacific Network Operations and Management Symposium (APNOMS)*, 2011.

Jovanovic, P., Salkic, N. N. & , E ,Zerem. (2014). Artificial neural network predicts the need for therapeutic ERCP in patients with suspected choledocholithiasis. *Gastrointestinal Endoscopy*, Volume 80, Issue 2, August 2014, Pages 260-268

Kakuru, S. (2011). Behavior based network traffic analysis tool. *IEEE 3rd International Conference on Communication Software and Networks (ICCSN)*, 2011.

Kalaitzis, A. A. & N. D. Lawrence, (2011). A Simple Approach to Ranking Differentially Expressed Gene Expression Time Courses through Gaussian Process Regression. *BMC Bioinformatics*. 2011; 12: 180.

Kaltenbrunner, A., Meza, R. & , J., GrivollaCodina, J. & R Banchs,. (2010). Urban cycles and mobility patterns: Exploring and predicting trends in a bicycle-based public transport system. *Pervasive and Mobile Computing* Volume 6, Issue 4, August 2010, Pages 455–466.

Kalyankar, N. V. (2009). Network Traffic Management. *JOURNAL OF COMPUTING*, VOLUME 1, ISSUE 1, DECEMBER 2009, ISSN: 2151-9617.

Karsoliya, S. (2012). Approximating Number of Hidden layer neurons in Multiple Hidden Layer BPNN Architecture. *International Journal of Engineering Trends and Technology*, Volume3, Issue 6, 2012.

Khoshnevisan, B., S., Rafiee, M.Omid, & H.Mousazadeh, (2014). Prediction of potato yield based on energy inputs using multi-layer adaptive neuro-fuzzy inference system. *Measurement* Volume 47, January 2014, Pages 521–530.

- Kim, H. W., Lee, J. H., Choi, Y. H., Chung, Y. U. & Lee, H. (2011). Dynamic bandwidth provisioning using ARIMA-based traffic forecasting for Mobile WiMAX. *Computer Communications*, Volume 34, Issue 1, 15 January 2011, Pages 99-106.
- Kim, K. J. (2003). Financial time series forecasting using support vector machines. *Neurocomputing* 55 (2003) 307 – 319.
- Konstantinopoulou, C. N., K. A., Koutsopoulos, G. L. Lyberopoulos, & Theologou, M.E. (2000). Core network planning, optimization and forecasting in GSM/GPRS networks. *Symposium on Communications and Vehicular Technology*, 2000. SCVT-200.
- Kumar, D., Gupta, S. & P. Sehgal, (2014). Comparing gradient based learning methods for optimizing predictive neural networks. *Recent Advances in Engineering and Computational Sciences (RAECS)*, 2014.
- Kumar, R., Misra, M. & A. K Sarje. (2010). A Simplified Analytical Model for End-To-End Delay Analysis in MANET. *IJCA Special Issue on "Mobile Ad-hoc Networks"*, MANETs, 2010.
- Kumar, V., Gaur, P. & A. P. Mittal, (2014). ANN based self tuned PID like adaptive controller design for high performance PMSM position control. *Expert Systems with Applications*, Volume 41, Issue 17, 1 December 2014, Pages 7995-8002.
- Laner, M., Svoboda, P. & M. Rupp, (2014). Parsimonious Network Traffic Modeling By Transformed ARMA Models. *IEEE Access*, 2014.
- Lawal, I. A., Said, A. M., Mu'azu, A. A. & P. A. Shah, (2014). Performance Comparison of Centralized and Distributed Network Models to Support QoS in Fixed WiMAX. *Procedia - Social and Behavioral Sciences*, Volume 129, 15 May 2014, Pages 441-452.
- Lee, T. & T. B. M. J. Ouarda (2011). Identification of model order and number of neighbors for k-nearest neighbor resampling. *Journal of Hydrology*, Volume 404, Issues 3–4, 11 July 2011, Pages 136-145.
- Lee, W. J. & J.Hong, (2015). A hybrid dynamic and fuzzy time series model for mid-term power load forecasting. *International Journal of Electrical Power & Energy Systems*, Volume 64, January 2015, Pages 1057-1062.
- Lekh, R. & Pooja, C. (2015). Exhaustive study of SDLC Phases and their Best Practices to create CDP Model for Process Improvement. *2015 International Conference on Advances in Computer Engineering and Applications (ICACEA)*.
- Lemamou, E. A., S.Chamberland, & P.Galinier (2013). A reliable model for global planning of mobile networks. *Computers & Operations Research*, Volume 40, Issue 10, October 2013, Pages 2270-2282.
- Lenskiy, A. A. & S. Seol, (2012). The Analysis of R/S Estimation Algorithm with Applications to WiMAX Network Traffic. *International Journal of Multimedia and Ubiquitous Engineering* Vol. 7, No. 3, July, 2012.
- Leite, D., Costa, P. & F. Gomide, (2012). Evolving granular neural network for fuzzy time series forecasting . *The 2012 International Joint Conference on Neural Networks (IJCNN)*, 2012.

- Leu, Y. & Chiu, T. I. (2011). An effective stock portfolio trading strategy using genetic algorithms and weighted fuzzy time series. 15th North-East Asia Symposium on Nano, Information Technology and Reliability (NASNIT), 2011.
- Li, B., Yu, S. & Q. Lu, (2003). An Improved k-Nearest Neighbor Algorithm for Text Categorization Proceedings of the 20th International Conference on Computer Processing of Oriental Languages, Shenyang, China, August 2003.
- Li, C. L., Wang, E. T., G. J. Huang, & A. L. P.Chen, (2014). Top-n query processing in spatial databases considering bi-chromatic reverse k-nearest neighbors. *Information Systems*, Volume 42, June 2014, Pages 123-138.
- Li, S. T., Kuo, S. C., Y. C. Cheng, & C. C. Chen, (2010). Deterministic vector long-term forecasting for fuzzy time series. *Fuzzy Sets and Systems*, Volume 161, Issue 13, 1 July 2010, Pages 1852-1870.
- Li, S. T., S. C., Kuo, Cheng, Y. C. & C. C. Chen, (2011). A vector forecasting model for fuzzy time series. *Applied Soft Computing*, Volume 11, Issue 3, April 2011, Pages 3125-3134.
- Li, Z., Ding, G., Li, R. & S. Qin, (2014a). A new extracting algorithm of k nearest neighbors searching for point clouds. *Pattern Recognition Letters*, Volume 49, 1 November 2014, Pages 162-170.
- Lin, Y., Li, J., Lin, M. & J. Chen (2014). A new nearest neighbor classifier via fusing neighborhood information. *Neurocomputing*, Volume 143, 2 November 2014, Pages 164-169.
- Lina, L., Lib, Y. & A.Sadek, (2013). A k Nearest Neighbor based Local Linear Wavelet Neural Network Model for On-line Short-term Traffic Volume Prediction. *Procedia - Social and Behavioral Sciences* 96 (2013) 2066 – 2077.
- Lina, Y., J., Lia, M. Lina, & J. Chen, (2014). A new nearest neighbor classifier via fusing neighborhood information. *Neurocomputing* Volume 143, 2 November 2014, Pages 164-169.
- Liu, H. & D. E Brown. (2003). Criminal incident prediction using a point-pattern-based density model. *International Journal of Forecasting* 19 (2003) 603-622.
- Liu, L., Han, B., X. Ren, & Z.Gao, (2010). Learning algorithm for the state feedback artificial neural network. *Sixth International Conference on Natural Computation (ICNC)*, 2010.
- Lopez, G., F. J. Batlles, & J. Tovar-Pescador, (2005). Selection of input parameters to model direct solar irradiance by using artificial neural networks. *Energy* 30 (2005) 1675-1684.
- Lorek, K. S. (2014). Trends in statistically based quarterly cash-flow prediction models. *Accounting Forum*, Volume 38, Issue 2, June 2014, Pages 145-151.
- Lu, W., X., Chen, W., Pedrycz, Liu, X. & J.Yang, (2015). Using interval information granules to improve forecasting in fuzzy time series. *International Journal of Approximate Reasoning*, Volume 57, February 2015, Pages 1-18.

- Maier, M., M. Hein, & U. von Luxburg, (2009). Optimal construction of k-nearest-neighbor graphs for identifying noisy clusters. *Theoretical Computer Science Volume 410 Issue 19*, April, 2009.
- Mangai, J. A., S. Wagle, & V. S. Kumar, (2013). An Improved k Nearest Neighbor Classifier Using Interestingness Measures for Medical Image Mining. *International Journal of Medical, Health, Pharmaceutical and Biomedical Engineering Vol:7 No:9*, 2013.
- Matias, T., F., Souza, R. Araújo, & C. H. Antunes, (2014). Learning of a single-hidden layer feedforward neural network using an optimized extreme learning machine. *Neurocomputing, Volume 129*, 10 April 2014, Pages 428-436.
- Mehrara, M. & A. R. Oryoie, (2011). FORECASTING EXCHANGE RATE RETURN BASED ON ECONOMIC VARIABLES. *Int. J. Eco. Res.*, 2011 2(5), 119 –125.
- Maier, M., Hein, M. & U.von Luxburg, (2009). Optimal construction of k-nearest-neighbor graphs for identifying noisy clusters. *Theoretical Computer Science, Volume 410, Issue 19*, 28 April 2009, Pages 1749–1764.
- Melnykov, I. & , V. Melnykov (2014). On k-means algorithm with the use of Mahalanobis distances. *Statistics & Probability Letters, Volume 84*, January 2014, Pages 88-95.
- Mercier, H. & D.Sperber, (2011). Why do humans reason? Arguments for an argumentative theory. *Behavioral and Brain Sciences*, Cambridge University Press (CUP), 2011, 34 (2), pp.57-74.
- Min, X. L. & K. Z. Guo, (2010). A Study for Equational-type Fuzzy Error Matrix Equation. 2010 Seventh International Conference on Fuzzy Systems and Knowledge Discovery (FSKD 2010).
- Mohamed, M. A., , M. S. Abou-El-Soud & H. M Abdel-Atty. (2010). Performance and Efficiency of WiMAX-MAC-Layer: IEEE- 802-16e. *IJCSNS International Journal of Computer Science and Network Security, VOL.10 No.12*, December 2010.
- Mokdad, L. & Ben-Othman, J. (2012). Adaptive traffic shaping for WiMAX Networks. *Computing, Communications and Applications Conference (ComComAp)*, 2012, vol., no., pp.187,192, 11-13 Jan. 2012.
- Morales-Arias, L. & G. V Moura,. (2013). Adaptive forecasting of exchange rates with panel data. *International Journal of Forecasting, Volume 29, Issue 3*, July–September 2013, Pages 493-509.
- M'oller-Levet, C. S., F.Klawonn, , K. H. Cho, & O.Wolkenhauer, (2003). Fuzzy Clustering of Short Time-Series and Unevenly Distributed Sampling Points. Berthold, M., Lenz, H. J., Bradley, E., Kruse, R., Borgelt, C. (eds.) *IDA 2003. LNCS, vol 2810*, pp. 330-340. Springer, Heidelberg (2003).
- Nakama, T. (2011). Comparisons of Single- and Multiple-Hidden-Layer Neural Networks. *Advances in Neural Networks – ISNN 2011. Lecture Notes in Computer Science Volume 6675*, 2011, pp 270-279.

- Nandhini, R. & N. Devarajan (2014). COMPARISON FOR WIMAX SCHEDULING ALGORITHMS AND PROPOSAL QUALITY OF SERVICE IMPROVEMENT IN WIMAX NETWORKS. *American Journal of Applied Sciences* 11 (1): 8-16, 2014.
- Nihan, N. L. & K. O Holmesland,. (1980). Use of the box and Jenkins time series technique in traffic forecasting. *Transportation*, June 1980, Volume 9, Issue 2, pp 125-143.
- Nikolopoulos, K. & , V Assimakopoulos. (2003). Theta intelligent forecasting information system. *Industrial Management & Data Systems*, Vol. 103 Iss 9 pp. 711 – 726.
- Nowotarski, J., E., Raviv, , S .Trück. & R.Weron, (2014). An empirical comparison of alternative schemes for combining electricity spot price forecasts. *Energy Economics*, Volume 46, November 2014, Pages 395-412.
- Nutanong, S., Z, Rui., E. Tanin, & L. Kulik, (2009). V*-kNN: An Efficient Algorithm for Moving k Nearest Neighbor Queries . *IEEE 25th International Conference on Data Engineering*, 2009. ICDE '09.
- Oduro-Gyimah, F. K., J. Q. Azasoo, & , K. O. Boateng (2013). Statistical analysis of outage time of commercial telecommunication networks in Ghana. *International Conference on Adaptive Science and Technology (ICAST)*, 2013.
- Ozturk, C., Hancer, E. & D.Karaboga, (2014). Dynamic clustering with improved binary artificial bee colony algorithm. *Applied Soft Computing*, In Press, Uncorrected Proof, Available online 8 December 2014.
- Papagiannaki, K., Taft, N., Z. L. Zhang,. & C. Diot, (2005).Long-Term Forecasting of Internet Backbone Traffic. *IEEE TRANSACTIONS ON NEURAL NETWORKS*, VOL. 16, NO. 5, SEPTEMBER 2005.
- Pratiwi, D., D. D. Santika, & , B. Pardamean (2011). An Application Of Backpropagation Artificial Neural Network Method for Measuring The Severity of Osteoarthritis. *International Journal of Engineering & Technology IJET-IJENS* Vol: 11 No: 03.
- Priyadarshini, R., N., Dash, T. Swarnkar, & R.Misra, (2010). Functional Analysis of Artificial Neural Network for Dataset Classification. *Special Issue of IJCCT* Vol.1 Issue 2, 3, 4; 2010 for International Conference [ACCTA-2010], 3-5 August 2010.
- Qiang, N., A., Vinel, X. Yang, & A.Turlikov, (2007). WIRELESS BROADBAND ACCESS: WIMAX AND BEYOND - Investigation of Bandwidth Request Mechanisms under Point-to-Multipoint Mode of WiMAX Networks. *IEEE Communications Magazine* Volume:45 , Issue:5.
- Qiu, W., Liu, X. & H. Li, (2013). High-Order Fuzzy Time Series Model Based on Generalized Fuzzy Logical Relationship. *Mathematical Problems in Engineering* Volume 2013 (2013), Article ID 927394, 11 pages.
- Qureshi, M. A., A.Younus, M.,, Saeed, F. A Sidiqi,., Touheed, N. & M. S. Qureshi, (2011). Comparative Study of VoIP over WiMax and WiFi. *IJCSI International Journal of Computer Science Issues*, Vol. 8, Issue 3, No. 1, May 2011.

- Rady, H. A. K. (2011). Shannon Entropy and Mean Square Errors for speeding the convergence of Multilayer Neural Networks: A comparative approach. *Egyptian Informatics Journal*, Volume 12, Issue 3, November 2011, Pages 197-209.
- Rafiq, M. A., N. K. Roy, & B. C. Ghosh, (2009). Three algorithms for learning artificial neural network: A comparison for induction motor flux estimation. 12th International Conference on Computers and Information Technology, 2009. ICCIT '09.
- Rahimi, I., R. Behmanesh, & J. Hafezi (2012). Using combination recurrent neural network and fuzzy time series for data envelopment analysis (DEA). *Business Engineering and Industrial Applications Colloquium (BEIAC)*, 2012 IEEE.
- Railean, I., C., Stojescu, S. Moga, & , P. Lenca (2010). WiMAX traffic forecasting based on neural networks in wavelet domain. Fourth International Conference on Research Challenges in Information Science (RCIS), 2010.
- Ragunath, P. K., Velmourougan, S., Davachelvan, P., Kayalvizhi, S. & Ravimohan, R. (2010). Evolving A New Model (SDLC Model-2010) For Software Development Life Cycle (SDLC). *IJCSNS International Journal of Computer Science and Network Security*, VOL.10 No.1, January 2010.
- Ren, Y. & P. N. Suganthan, (2014). Empirical Mode Decomposition-k Nearest Neighbor Models for Wind Speed Forecasting. *Journal of Power and Energy Engineering*, 2014, 2, 176-185.
- Ross, T. J. (1995). *Fuzzy Logic with Engineering Applications*. McGraw-Hill, 1995.
- Saad, E. W. & D. C. Wunsch II, (2007). Neural network explanation using inversion. *Neural Networks*, Volume 20, Issue 1, January 2007, Pages 78-93.
- Sadaeia, H. J., R., Enayatifar, A. H. Abdullah, & A. Gani, (2014). Short-term load forecasting using a hybrid model with a refined exponentially weighted fuzzy time series and an improved harmony search. *International Journal of Electrical Power & Energy Systems* Volume 62, November 2014, Pages 118-129.
- Sabzpooshani, M. & K. Mohammadi, (2014). Establishing new empirical models for predicting monthly mean horizontal diffuse solar radiation in city of Isfahan, Iran. *Energy*, Volume 69, 1 May 2014, Pages 571-577.
- Samet, H. (2008). K-Nearest Neighbor Finding Using MaxNearestDist. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, Volume 30, Issue 2.
- Sedoyeka, E. & Z. Hunaiti, (2011). Low cost broadband network model using WiMAX technology. *Government Information Quarterly*, Volume 28, Issue 3, July 2011, Pages 400-408.
- Selbing, I., Lindström, B., & Olsson, A. (2014). Demonstrator skill modulates observational aversive learning. *Cognition*, Volume 133, Issue 1, October 2014, Pages 128-139 .
- Shaban, K., El-Hag, A. & Matveev, A. (2009). A cascade of artificial neural networks to predict transformers oil parameters. *IEEE Transactions on Dielectrics and Electrical Insulation*, Volume 16, Issue 2, 2009.

Sharma, S. K. & V.Sharma, (2012). TIME SERIES PREDICTION USING KNN ALGORITHMS VIA EUCLIDIAN DISTANCE FUNCTION: A CASE OF FOREIGN EXCHANGE RATE PREDICTION. *Asian Journal of Computer Science And Information Technology* 2: 7 (2012) 219 – 221.

Shen, G. J. (2010). An Intelligent Hybrid Forecasting Model for Short-term Traffic Flow. *Proceedings of the 8th World Congress on Intelligent Control and Automation July 6-9 2010, Jinan, China.*

Shen, G., Tucker, R. & C. J. Chae, (2007). Fixed Mobile Convergence (FMC) Architectures for Broadband Access: Integration of EPON and WiMAX. *IEEE Communications Magazine*, Volume 45, Issue 8, 2007.

Shouman, M., T. Turner, & R.Stocker, (2012). Applying k-Nearest Neighbour in Diagnosing Heart Disease Patients. *International Journal of Information and Education Technology*, Vol. 2, No. 3, June 2012.

Sim, J. J., Tan, G. W. H., J. C. J., Wong, K. B. Ooi, & T. S. Hew, (2014). Understanding and predicting the motivators of mobile music acceptance – A multi-stage MRA-artificial neural network approach. *Telematics and Informatics* Volume 31, Issue 4, November 2014, Pages 569–584.

Singh, M. & S. Kaur, (2014). WiMAX Traffic Forecasting on Daily basis with Trainable Cascade-Forward Backpropagation Network in Wavelet Domain. *International Journal of Emerging Technology and Advanced Engineering*, Volume 4, Issue 8, August 2014.

Singh, J. P., P. Dutta, & A. Chakrabarti, (2014). Weighted delay prediction in mobile ad hoc network using fuzzy time series. *Egyptian Informatics Journal*, Volume 15, Issue 2, July 2014, Pages 105–114.

Singh, S. K., Jain, S. K. & A. Bárdossy. (2014). Training of Artificial Neural Networks Using Information-Rich Data. *Hydrology* 2014, 1, 40-62.

Sirijunyapong, W., Leelasantitham, A., Kiattisin, S. & Wongseeree, W. (2014). Predict The Stock Exchange of Thailand – Set. *The 4th Joint International Conference on Information and Communication Technology, Electronic and Electrical Engineering (JICTEE-2014).*

Sodhi, S. S. & P. Chandra, (2014). Interval based Weight Initialization Method for Sigmoidal Feedforward Artificial Neural Networks. *AASRI Procedia*, Volume 6, 2014, Pages 19-25.

Southgate, H. N. (2011). Data-based yearly forecasting of beach volumes along the Dutch North Sea coast. *Coastal Engineering*, Volume 58, Issue 8, August 2011, Pages 749-760.

Smith, S. W. (1997). *The scientist and engineer's guide to digital signal processing.* California Technical Publishing San Diego, CA, USA ©1997.

Stefanatos, S., Papathanasiou, C. & Dimitriou, N. (2009). Downlink Mobile OFDMA Resource Allocation with Minimum User Rate Requests. *IEEE Global Telecommunications Conference, 2009. GLOBECOM 2009.*

- Stegle, O., Denby, K., S., McHattie, S., Meade, D. L Wild., Z.Ghahramani, & K. Borgwardt, (2009). Discovering temporal patterns of differential gene expression in microarray time series. German Conference on Bioinformatics 2009, 28-30 SEP 2009, Halle, Germany.
- Stepnicka, M., Pavliska, V., Novak, V., Perfilieva, I., Vavrickova, L. & Tomanova, I. (2009). Time Series Analysis and Prediction Based on Fuzzy Rules and the Fuzzy Transform. IFSA-EUSFLAT 2009 Conference, Lisboa.
- Stolojescu, C., Cusnir, A., Moga, S. & Isar, A. (2009). Forecasting WiMAX BS traffic by statistical processing in the wavelet domain. International Symposium on Signals, Circuits and Systems, 2009. ISSCS 2009.
- Strijbosch, L. W. G., A. A., Syntetos, Boylan, J. E. & E. Janssen. (2011). On the interaction between forecasting and stock control: The case of non-stationary demand. International Journal of Production Economics, Volume 133, Issue 1, September 2011, Pages 470-480.
- Suhartono, M. H. & M. H Lee. (2011). A Hybrid Approach based on Winter's Model and Weighted Fuzzy Time Series for Forecasting Trend and Seasonal Data. Journal of Mathematics and Statistics 7 (3): 177-183, 2011.
- Sun, B., Guo, H., Karimi, H. R., Ge, Y. & S. Xiong, (2015). Prediction of stock index futures prices based on fuzzy sets and multivariate fuzzy time series. Neurocomputing, Volume 151, Part 3, 3 March 2015, Pages 1528-1536
- Taghavifar, H. & Mardani, A. (2014). Applying a supervised ANN (artificial neural network) approach to the prognostication of driven wheel energy efficiency indices Energy, Volume 68, 15 April 2014, Pages 651-657.
- Tan, K., Wu, D., Chan, A. J. & Mohapatra, P. (2011). Comparing simulation tools and experimental testbeds for wireless mesh networks. Pervasive and Mobile Computing, Volume 7, Issue 4, August 2011, Pages 434-448.
- Tay, A. L. P., Zurada, J. M., Wong, L. P. & Xu, J. (2007). The Hierarchical Fast Learning Artificial Neural Network (HieFLANN)—An Autonomous Platform for Hierarchical Neural Network Construction. IEEE TRANSACTIONS ON NEURAL NETWORKS, VOL. 18, NO. 6, NOVEMBER 2007.
- Teh, C. S. & Tapan, M. S. Z. (2008). A hybrid supervised ANN for classification and data visualization. IEEE International Joint Conference on Neural Networks, 2008. IJCNN 2008. (IEEE World Congress on Computational Intelligence).
- Thoumrunroje, A. (2014). The Influence of Social Media Intensity and EWOM on Conspicuous Consumption. Procedia - Social and Behavioral Sciences, Volume 148, 25 August 2014, Pages 7-15.
- Tongal, H. (2013). Nonlinear forecasting of stream flows using a chaotic approach and artificial neural networks. Earth Sci. Res. SJ. Vol. 17, No. 2 (December, 2013): 119 – 126.

- Torbati, N., Ayatollahi, A. & Kermani, A. (2014). An efficient neural network based method for medical image segmentation. *Computers in Biology and Medicine*, Volume 44, 1 January 2014, Pages 76-87.
- Toyama, J., M. Kudo, & H. Imai, (2010). Probably correct k-nearest neighbor search in high dimensions. *Pattern Recognition*, Volume 43, Issue 4, April 2010, Pages 1361-1372.
- Tsaur, R. C. (2012). A FUZZY TIME SERIES-MARKOV CHAIN MODEL WITH AN APPLICATION TO FORECAST THE EXCHANGE RATE BETWEEN THE TAIWAN AND US DOLLAR. *International Journal of Innovative Computing, Information and Control*, Volume 8, Number 7(B), July 2012.
- Tsui, W. H. K., H. O., Balli, A. Gilbey, & H. Gow, (2014). Forecasting of Hong Kong airport's passenger throughput. *Tourism Management*, Volume 42, June 2014, Pages 62-76.
- Valenzuela, O., Rojas, I., Rojas, F., Pomares, H., Herrera, L. J., Guillen, A., Marquez, L. & M. Pasadas, (2008). Hybridization of intelligent techniques and ARIMA models for time series prediction, *Fuzzy Sets and Systems* 159 (2008) 821–845.
- Villasenor, J. (2015). Corporate Cybersecurity Realism: Managing Trade Secrets in a World Where Breaches Occur. *American Intellectual Property Law Association Quarterly Journal*, Volume 43, Numbers 2/3, Spring/Summer 2015.
- Vlahogianni, E. I., Karlaftis, M. G. & J. C. Golias, (2006). Statistical methods for detecting nonlinearity and non-stationarity in univariate short-term time-series of traffic volume. *Transportation Research Part C: Emerging Technologies*, Volume 14, Issue 5, October 2006, Pages 351-367
- Vu, J. V. (1996). Advantages and disadvantages of using artificial neural networks versus logistic regression for predicting medical outcomes. *Journal of Clinical Epidemiology*, November 1996, Volume 49, Issue 11, Pages 1225–1231.
- Vukicevic, A. M., G. R Jovicic., M. M., Stojadinovic, R. I. Prelevic, & N. D. Filipovic, (2014). Evolutionary assembled neural networks for making medical decisions with minimal regret: Application for predicting advanced bladder cancer outcome. *Expert Systems with Applications*, Volume 41, Issue 18, 15 December 2014, Pages 8092-8100
- Wabwoba, F. & F. M. Mwakondo, (2011). Students Selection for University Course Admission at the Joint Admissions Board (Kenya) Using Trained Neural Networks. *Journal of Information Technology Education* Volume 10, 2011.
- Wang, C. C. (2011). A comparison study between fuzzy time series model and ARIMA model for forecasting Taiwan export. *Expert Systems with Applications*, Volume 38, Issue 8, August 2011, Pages 9296-9304.
- Wang, J. et al (2001). Applications in Intelligent Manufacturing: An Updated Survey. *Computational Intelligence in Manufacturing Handbook*, Edited by Jun Wang et al, Boca Raton: CRC Press LLC, 2001.

Wang, J. W. & J. W. Liu, (2010). Weighted Fuzzy Time Series Forecasting Model. *Intelligent Information and Database Systems. Lecture Notes in Computer Science Volume 5990*, 2010, pp 408-415.

Wang, L., Liu, X. & W.Pedrycz, (2013). Effective intervals determined by information granules to improve forecasting in fuzzy time series. *Expert Systems with Applications*, Volume 40, Issue 14, 15 October 2013, Pages 5673-5679.

Wang, L. & X. Zhao, (2012). Improved KNN classification algorithms research in text categorization. *2nd International Conference on Consumer Electronics, Communications and Networks (CECNet)*, 2012.

Wang, S. C., K. Q. Yan, & , C. H. Wang (2009). A Channel Allocation based WiMax Topology. *Proceedings of the International MultiConference of Engineers and Computer Scientists 2009 Vol I, IMECS 2009*, March 18 - 20, 2009, Hong Kong.

Wang, Y., J., Wang G., Zhao, & T.Dong, (2012). Application of residual modification approach in seasonal ARIMA for electricity demand forecasting: A case study of China. *Energy Policy*, Volume 48, September 2012, Pages 284-294.

Wanga, Z., K., Hua, K., Xua, B. Yina, & X. Dong, (2012). Structural analysis of network traffic matrix via relaxed principal component pursuit. *Computer Networks* Volume 56, Issue 7, 3 May 2012, Pages 2049–2067.

Warg, S. (1997). *Verkehrsstromanalyse und -prognose mit Fuzzy Pattern Klassifikation*, Diplomarbeit, TU Chemnitz, Professur für Systemtheorie (1997).

Waewsaka, J., C., Chana Chanchama, M. Mania, & Y. Gagnon, (2014). Estimation of Monthly Mean Daily Global Solar Radiation over Bangkok, Thailand using Artificial Neural Networks. *Energy Procedia* 57 (2014) 1160– 1168.

Wen-ge, M. A. & Y.Yan, (2009). Research on Traffic Flow Fuzzy Time Series Forecasting Algorithm of Single Intersection. *2009 Fourth International Conference on Innovative Computing, Information and Control*.

Weinberger, K. Q. & L. K. Saul, (2009). Distance Metric Learning for Large Margin Nearest Neighbor Classification. *Journal of Machine Learning Research* 10 (2009) 207-244.

Wong, H. L., C. C. Wang, & Y. H. Tu, (2010). OPTIMAL SELECTION OF MULTIVARIATE FUZZY TIME SERIES MODELS TO NON-STATIONARY SERIES DATA FORECASTING. *International Journal of Innovative Computing, Information and Control*, Volume 6, Number 12, December 2010.

Xiaoyu, H., W. Yisheng, & H. Siyu, (2013). Short-term Traffic Flow Forecasting based on Two-tier K-nearest Neighbor Algorithm. *Procedia - Social and Behavioral Sciences*, Volume 96, 6 November 2013, Pages 2529-2536.

Yadav, R. K. & M. Balakrishnan, (2014). Comparative evaluation of ARIMA and ANFIS for modeling of wireless network traffic time series. *EURASIP Journal on Wireless Communications, and Networking* 2014, 2014:15.

- Yang, J. & H. Li, (2011). Variability analysis for traffic distribution of typical network services. *The Journal of China Universities of Posts and Telecommunications*, Volume 18, Supplement 2, December 2011, Pages 46-53.
- Yarushkina, N. G., T. R. Unusov. & T. V. Afanasyeva, (2009). Fuzzy Tendency based Time Series Model for Forecasting Server Traffic. *IFSA-EUSFLAT 2009*.
- Ye, Q., W. Y Szeto,. & S. C. Wong, (2012). Short-Term Traffic Speed Forecasting Based on Data Recorded at Irregular Intervals. *IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS*, VOL. 13, NO. 4, DECEMBER 2012.
- Yoon, J. W. & N.Friel, (2015). Efficient model selection for probabilistic K nearest neighbour classification. *Neurocomputing*, Volume 149, Part B, 3 February 2015, Pages 1098-1108.
- Yufei, H. & F. Moutarde (2013). Statistical traffic state analysis in large-scale transportation networks using locality-preserving non-negative matrix factorisation. *Intelligent Transport Systems, IET* Volume 7, Issue 3, 2013.
- Zamo, M., Mestre, O., Arbogast, P. & O.Pannekoucke, (2014). A benchmark of statistical regression methods for short-term forecasting of photovoltaic electricity production. Part II: Probabilistic forecast of daily production. *Solar Energy*, Volume 105, July 2014, Pages 804-816.
- Zegnini, B., M. Belkheiri, & D. Mahi, (2009). Modeling flashover voltage (FOV) of polluted HV insulators using artificial neural networks (ANNs). *International Conference on Electrical and Electronics Engineering, 2009. ELECO 2009*.
- Zhang, Z. & Q. Zhu, (2012). Fuzzy Time Series Forecasting Based On K-Means Clustering. *Open Journal of Applied Sciences*. 2012 World Congress on Engineering and Technology.
- Zheng, Y., Li, S. & X. Wang, (2010). An approach to model building for accelerated cooling process using instance-based learning. *Expert Systems with Applications*, Volume 37, Issue 7, July 2010, Pages 5364-5371.
- Zink, M., K., Suh, Y.Gu, & J. Kurose, (2009). Characteristics of YouTube network traffic at a campus network – Measurements, models, and implications. *Computer Networks*, Volume 53, Issue 4, 18 March 2009, Pages 501-514.