

Curriculum Vitae



Full Name : Dr. Rozaida Ghazali
Position : Associate Professor
Faculty : Faculty of Computer Science & Information Technology
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Universiti Tun Hussein Onn Malaysia

QUALIFICATIONS

1. Doctor of Philosophy, Neural Networks, 2007, Liverpool John Moores University, U.K.
2. Masters Degree, Computer Science, 2003, Universiti Teknologi Malaysia, UTM.
3. Bachelor Degree, Computer Science, 1997, Universiti Sains Malaysia, USM.
4. Malaysian Certificate of Education (SPM), 1990, MARA Junior Science College (MRSM).

POSITIONS

- (i) Position : Associate Professor
Employer : Universiti Tun Hussein Onn Malaysia (UTHM)
Duration : September 2011- current
- (ii) Position : Lecturer
Employer : Universiti Tun Hussein Onn Malaysia (UTHM)
Duration : November 2003– September 2011
- (iii) Position : Tutor
Employer : Universiti Tun Hussein Onn Malaysia (UTHM)
Duration : July 2001 – November 2003
- (c) Position : System Analyst
Employer : Land and Mines Office, Federal Territory, Kuala Lumpur
Duration : (1998-1999)

MANAGEMENT EXPERIENCE

Deputy Dean (Research & Development), Faculty of Computer Science & Information Technology,
Universiti Tun Hussein Onn Malaysia
(Ogos 2008 – December 2013)

PROFESSIONAL ACTIVITIES / RECOGNITION

Editorial Board / Committee member in Journals / Conferences

1. Proceeding Chair – The 2nd International Conference on Soft Computing & Data Mining (SCDM 2015), Malacca, Malaysia
2. Publication Chair – The Second International Conference on Data Engineering (DaEng-2015), Bali Indonesia.
3. Technical program committee - Third International Symposium on Women in Computing and Informatics (WCI-2015), 10-13 August, India.
4. Conference Chair – The 1st International Conference on Soft Computing & Data Mining (SCDM 2014), Johor, Malaysia
5. Proceeding Chair – The 1st International Conference on Soft Computing & Data Mining (SCDM 2014), Johor, Malaysia.
6. Steering Committee - 8th International Conference on Developments in eSystems Engineering (DeSE '15), Dubai, December 2015.
7. Steering Committee - 7th International Conference on Developments in eSystems Engineering (DeSE '14), Paphos Cyprus, 25th – 27th August 2014.
8. Steering Committee - 6th International Conference on Developments in eSystems Engineering (DeSE '13), Abu Dhabi, UAE, 16th – 18th December 2013.
9. Programme Committee for the 2013 International Conference on Computer Science and Information Technology (CSIT-2013) Yogyakarta on May 27-29, 2013
10. Technical committee - The 5th international conference on postgraduate education (ICPE-5 2012), 18-19 Decemebr 2012, Johor Bahru.
11. Program committee - The First International Conference on Computational Science and Information Management (ICoCSIM – 2012), Indonesia.
12. Programme Committee for The 3rd International Workshop on Soft Computing and Data Engineering (SCDE -2012), In Conjunction with ICCSA 2012, Salvador de Bahia, Brazil
13. Programme Committee for The 2nd International Workshop on Soft Computing and Data Engineering (SCDE -2011), In Conjunction with UCMA 2011, Daejeon, Korea, April 13-15, 2011. (2011)
14. Program committee - The 6th Malaysia Software Engineering Conference, MySEC 2012 in National University of Malaysia, on December, 4th and 5th. (MYSEC 2012).
15. Steering Committee for International Conference on Developments in e-Systems Engineering (DeSE'2011), Dubai, December 2011.(2011)
16. Programme Committee for The International Conference on Teaching and Learning in Higher Education (ICTLHE 2011), Melaka, 21-23 November 2011.
17. Member of Editorial board for International Journal of Computing and Applications (JCA) (May 2010 - present)
18. Programme Committee for The 1st International Workshop on Soft Computing and Data Engineering (SCDE -2010), In Conjunction with DTA 2010, 13-15, 2010, Jeju Island, Korea.
19. Programme Committee for The International Industrial Informatics Seminar (IIS 09), Jodjakarta, Indonesia, 15 August 2009.

Reviewer for Journals / Conference

A) Journals

1. Neurocomputing, Elsevier.
2. Information Sciences, Elsevier.
3. Neural Processing Letters, Springer.
4. International Journal of Information and Communication Technology (IJICT), Inderscience.
5. International Journal of Artificial Intelligence and Soft Computing (IJASIS), Inderscience.
6. Malaysia Journal of Computer Science (MJCS), Universiti Malaya
7. International Journal of Innovative Computing (IJIC)
8. International Journal of Computer Systems Science and Engineering (IJCSSE)
9. Journal of Science and Technology
10. The International Journal of Artificial Intelligence and Soft Computing (IJASIS).
11. ITB Journal, Bandung Institute of Technology
12. Majlesi Journal of Electrical Engineering
13. Journal of Science and Technology, UTHM
14. Journal of Tropical Forest Science, FRIM.

B) Conferences

1. The 1st International Conference on Soft Computing & Data Mining (SCDM 2014), Johor, Malaysia
2. The First International Conference on Data Engineering (DaEng-2013), Kuala Lumpur, Malaysia.
3. 6th International Conference on Developments in eSystems Engineering (DeSE '13), Abu Dhabi, UAE, 16th – 18th December 2013.
4. The 2013 International Conference on Computational Science and Its Applications, (ICCSA 2013), Ho Chi Minh City, June 24-27, 2013
5. International conference on computing & informatics (ICOCI 2013), Kedah Malaysia
6. The 2013 9th International Conference on Natural Computation (ICNC'13) and the 2013 10th International Conference on Fuzzy Systems and Knowledge Discovery (FSKD'13) will be jointly held from 23-25 July 2013 in Shenyang, China
7. The 6th Malaysia Software Engineering Conference, MySEC 2012 in National University of Malaysia, Malaysia, on December, 4th and 5th. (MYSEC 2012)
8. 4th International Conference on Science and Technology: Applications in Industry and Education (ICSTIE 2012), Penang Malaysia
9. 19th International Conference on Neural Information Processing, Qatar (ICONIP 2012).
10. Second International Conference on Networked Digital Technologies, Prague, Czech Republic (NDT 2010)
11. The 1st International Workshop on Soft Computing and Data Engineering (SCDE -2010), In Conjunction with DTA 2010, Jeju Island, Korea.
11. International IEEE Conference on Industrial Electronics and Applications, China (ICIEA 2009).
12. International Conference on Intelligent Systems Design and Applications, Taiwan (ISDA 2008).

TEACHING ACTIVITIES - Subjects taught

1. Advanced Soft Computing
2. Data Mining
3. Artificial Intelligent
4. Data Structure
5. Fuzzy System Development
6. Discrete Structure
7. Research Methodology
8. Computer Programming
9. Computer Applications & Package

POSTGRADUATE SUPERVISIONS – as main supervisor

Ph.D

1. Noor Aida Husaini - A Cuckoo Search Algorithm For Optimization Based On Pi-Sigma Neural Network Performance.
2. Ayodele Nojeem - Artificial Immune System For Malware Detection
3. Norlida Hassan - A Hybrid Of Adaptive Neuro-Fuzzy Inference System With Swarm Intelligence For Classification
4. Yana Mazwin Hamzah - Swarm Based-Functional Link Neural Network For Classification Tasks
5. Ahmed Khalaf - An Efficient Multi Join Query Optimization For DBMS Using Swarm Intelligent Approach
6. Jamal Uddin – Bug Prioritization Using Abc Clustering With Rough Set Classifier

Master Degree

1. Siti Zulaikha - Implementation Of Modified Cuckoo Search In Functional Link Neural Network For Temperature Relative Humidity Prediction

COMPLETED

Ph.D -

Habib Shah - Global Population Learning Techniques: Training The Multilayer Perceptron For Classification And Prediction Tasks.

Master Degree

Noor Aida Husaini - A Jordan Pi-Sigma Neural Network For Temperature Prediction

Ashikin Ali - The Use Of Wavelet Neural Network In Water Quality Parameters Forecasting

Amjed Khalil - Artificial Neural Network For Medical Data Classification

Rihab Salah Khairi - Artificial Immune System of Real Valued Negative Selection Algorithms for Anomaly Detection

Waddah Waheeb Hassan Saeed-The Performance of Soft Computing Techniques on Content-Based SMS Spam Filtering

RESEARCH ACTIVITIES

- (1) Topic : A Hybrid Ant-Bee Colony (HABC) Algorithm For Weights Optimization In Jordan Pi-Sigma Neural Network On Anomalies Detection Problem
Position : PROJECT LEADER
Duration : April 2013 – March 2016
Total : RM 55,800
Grant : FRGS
- (2) Topic : Artificial Immune System Based Malware Model
Position : PROJECT LEADER
Duration : January 2013 – August 2015
Total : RM 45,000.00
Grant : UTHM Postgraduate Incentive Grant Vot 1160
- (3) Topic : Artificial Immune System For Bug Prioritization Based On Rough Set Theory And Cuckoo Search Algorithm
Position : PROJECT LEADER
Duration : October 2014 – September 2017
Total : RM 45,000.00
Grant : UTHM Postgraduate Incentive Grant Vot U196

- (4) Topic : Wireless Sensor For Air Pollution Prediction
Position : CO-RESEARCHER
Duration : February 2013– January 2014
Total : RM 30,000.00
Grant : Product Development Grant: Vot B017
- (5) Topic : A Hybrid Ant-Bee Colony (HABC) Algorithm for Weights Optimization in Jordan Pi-Sigma Neural Network on Anomalies Detection Problem
Position : PROJECT LEADER
Duration : April 2013 – March 2016
Total : RM 55,800
Grant : FRGS
- (6) Topic : A New ABC-Functional Link Neural Network for The Prediction of Daily Temperature for Climate Change Scenarios Over Malaysia
Position : PROJECT LEADER
Duration : August 2011 – July 2014
Total : RM 70,000
Grant : ERGS/Vot 0882
- (7) Topic : Hybrid Ant Bee Colony Algorithm for Training Neural Networks
Position : PROJECT LEADER
Duration : April 2012 – March 2013
Total : RM 18,320.00
Grant : UTHM Postgraduate Incentive Grant Vot 1032
- (8) Topic : The MLP Modeling with Wavelet Transform for Physical Time Series
Position : PROJECT LEADER
Duration : April 2011 - Mac 2012
Total : RM 18,400.00
Grant : UTHM Postgraduate Incentive Grant Vot 0815
- (9) Topic : A New Method To Enhance The Computational Efficiency Of Data Mining Classification Modeling Techniques By Introducing Optimal Gain Parameter
Position : CO-RESEARCHER
Duration : March 2010 – Feb 2013
Total : RM 48,300.00
Grant : FRGS Vot 0737 (KPT: FRGS/1/10/TK/UTHM/02/24)
- (10) Topic : A Novel Dynamic Ridge Polynomial Neural Network For the Classification Of Seismic Signals at Merapi Volcano
Position : PROJECT LEADER
Duration : March 2010 – Feb 2013
Total : RM 48,300.00
Grant : FRGS Vot 2014 (KPT: FRGS/1/10/TK/UTHM/03/24)
- (11) Topic : Soft Set Approach Data Clustering and Maximal Association Rules Mining
Position : CO-RESEARCHER
Duration : March 2010 – Feb 2012
Total : RM 40,000.00
Grant : FRGS Vot 0736 (KPT: FRGS/1/10/TK/UTHM/01/14)

- (12) Topic : Development of Recurrent Neural Network model for indoor temperature and indoor air qu
(IAQ) prediction: A reflection of outdoor parameters.
Position : CO-RESEARCHER
Duration : March 2010 – Feb 2012
Total : RM 40,000.00
Grant : FRGS Vot 0709 (KPT: FRGS/1/10/TK/UTHM/02/30)
- (13) Topic : Application of a Novel Higher Order Neural Network to Improve Storm Water
Prediction as Precautionary Measure to Forecast Flood Disaster.
Position : PROJECT LEADER
Duration : Jan 2009-June 2010.
Total : RM 86,800.00
Grant : MOSTI (e-Science Fund) Vot S016 (MOSTI/01-01-13-SF0076)
- (14) Topic : The Development of Data Analyzer for Early Detection of Oil Palm Devastating Fungus
Position : CO-RESEARCHER
Duration : November 2008 – May 2010
Total : RM 84,300.00
- (15) Grant : MOSTI (e-Science Fund) Vot S012 (MOSTI: 01-01-13-SF0069)
Topic : Application of Pi-Sigma Neural Network for the Prediction of Flood Disaster
Position : PROJECT LEADER
Duration : July 2009 - July 2011
Total : RM 45,850.00
Grant : UTHM Postgraduate Incentive Grant Vot 0681
- (16) Topic : Ozone Time Series Prediction using Higher Order Neural Network.
Position : PROJECT LEADER
Duration : Mac 2008-July 2010
Total : RM 10,000
Grant : UTHM Short Term Grant Vot 0522

PUBLICATIONS

Articles in Journals

1. D Al-Jumeily, **R Ghazali**, A Hussain, Predicting Physical Time Series Using Dynamic Ridge Polynomial Neural Networks. *PloS one* 9 (8), e105766. 2014. **IF: 3.53**
2. NA Husaini, **R Ghazali**, NM Nawi, LH Ismail, MM Deris, T Herawan, Pi-Sigma Neural Network for a One-step-ahead Temperature Forecasting. *International Journal of Computational Intelligence and Applications* 13 (04). 2014.
3. H Shah, T Herawan, **R Ghazali**, R Naseem, MA Aziz, JH Abawajy, An Improved Gbest Guided Artificial Bee Colony (IGGABC) Algorithm for Classification and Prediction Tasks *Neural Information Processing*, 559-569. 2014
4. H Shah, T Herawan, R Naseem, **R Ghazali**, Hybrid Guided Artificial Bee Colony Algorithm for Numerical Function Optimization. *Advances in Swarm Intelligence*, 197-206. 2014
5. YM Mohmad Hassim, **R Ghazali**, An Approach To Improve Functional Link Neural Network Training Using Modified Artificial Bee Colony For Classification Task. *Asia-Pacific Journal of Information Technology and Multimedia* 2 (2). 2013.
6. H Shah, **R Ghazali**, NM Nawi. Hybrid global artificial bee colony algorithm for classification and prediction tasks. *Journal of Applied Sciences Research* 9 (5), 3328-3337. 2013
7. YM Mohmad Hassim, **R Ghazali**. Using Artificial Bee Colony to Improve Functional Link Neural Network Training. *Applied Mechanics and Materials* 263, 2102-2108. 2013.
8. YM Mohmad Hassim, **R Ghazali**. An improved functional link neural network learning using artificial bee colony optimisation for time series prediction. *International Journal of Business Intelligence and Data Mining* 8 (4), 307-318. 2013
9. H Shah, **R Ghazali**, NM Nawi, MM Deris, T Herawan. Global artificial bee colony-Levenberg-Marquardt (GABC-LM) algorithm for classification. *International Journal of Applied Evolutionary Computation (IAEC)* 4 (3), 58-74. 2013.
10. Yana Mazwin Mohmad Hassim and **Rozaida Ghazali**, "Training A Functional Link Neural Network using Artificial Bee Colony for a Classification Problems" *Journal of Computing Press, NY, USA, ISSN(online)2151-9617, volume 4, issue 9, 2012 (pp.110-115).*
11. N Abdul Hamid, N Mohd Nawi, **R Ghazali**, MN Mohd Salleh. A review on improvement of back propagation algorithm. *Global Journal on Technology* 1. 2012
12. N Aida Husaini, **R Ghazali**, N Mohd Nawi, L Hakim Ismail. An optimal higher order for Jordan pi-sigma neural network on temperature forecasting. *Global Journal on Technology* 1. 2012.
13. Habib Shah, **Rozaida Ghazali**, Nazri Mohd Nawi, and Mustafa Mat Deris. (2012) G-HABC Algorithm for Training Artificial Neural Networks. *International Journal of Applied Metaheuristic Computing (IJAMC)*. Vol.3. No. 3., pp. 1-19, July-September 2012. *ISSN 1947-8283*
14. Habib Shah, **Rozaida Ghazali**, Nazri Mohd Nawi: Using Artificial Bee Colony Algorithm for MLP Training on Earthquake Time Series Data Prediction *CoRR abs/1112.4628: (2011)*. ISSN: 21519617
15. Norhamreeza Abdul Hamid, Nazri Mohd. Nawi, **Rozaida Ghazali** and Mohd. Najib Mohd. Salleh, "Solving Local Minima Problem In Back Propagation Algorithm Using Adaptive Gain, Adaptive Momentum And Adaptive Learning Rate On Classification Problems", *International Journal of Modern Physics: Conference Series*, Vol. 9 (2012). Pp 448-455. ISSN: 2010-1945
16. Noor Aida Husaini, **Rozaida Ghazali**, Nazri Mohd. Nawi, Lokman Hakim Ismail, "The Effects Of Network Parameters On Pi-Sigma Neural Network For Temperature Forecasting", *International Journal of Modern Physics: Conference Series*, Vol. 9 (2012). Pp 440-447. ISSN: 2010-1945
17. Norhamreeza Abdul Hamid, Nazri Mohd Nawi, **Rozaida Ghazali**, Mohd Najib Mohd Salleh (2011), "Improvements of Back Propagation Algorithm Performance by Adaptively Changing Gain, Momentum and Learning Rate", *International Journal on New Computer Architectures and Their Applications (IJNCAA)*, ISSN: 2220-9085 , Vol 1, No. 4, pp. 861-870.
18. Nazri Mohd Nawi, Norhamreeza Abdul Hamid, R.S. Ransing **Rozaida Ghazali**, Mohd Najib Mohd Salleh (2011)," Enhancing Back Propagation Neural Network Algorithm with Adaptive Gain on Classification Problems". *International Journal of Database Theory and Application (IJDTA)*, Vol. 4,

- No. 2, June, 2011 pp.65-76. ISSN: 2005-4270
19. Nazri Mohd Nawi, **Rozaida Ghazali** and Mohd Najib Mohd Salleh (2011), "Predicting Patients with Heart Disease by Using an Improved Back-propagation Algorithm", *Journal of Computing*, ISSN 2151-9617. Vol 3, Issue 2, pp.53-58, 2011. **IF: 0.45.**
 20. **Rozaida Ghazali**, Abir Jaafar Hussain, Panos Liatsis, Dynamic Ridge Polynomial Neural Network: Forecasting the univariate non-stationary and stationary trading signals. *Elsevier: Expert Systems with Applications*. 38 (2011), 3765-3776. **IF: 2.908**
 21. Habib Shah, **Rozaida Ghazali**, and Nazri Mohd Nawi. Using Artificial Bee Colony Algorithm for MLP Training on Earthquake Time Series Data Prediction. *Journal of Computing*, Volume 3, Issue 6, (2011), pp. 135-142. **IF: 0.45.**
 22. Norhamreeza Abdul Hamid, Nazri Mohd Nawi, **Rozaida Ghazali**. "The Effect of Adaptive Gain and Momentum in Improving Training Time of Back propagation algorithm on Classification problems", *International Journal on Advanced Science, Engineering and Information Technology (IJASEIT)* 2011), Vol. 1 (2011) No. 2, pp. 178-184. ISSN: 2088-5334. (*Index by ISI Thomson Reuters, Ei Compendex, DBLP, CiteSeerX, and Google Scholar*).
 23. Nazri MOHD NAWI, **Rozaida GHAZALI**, Mohd. Najib MOHD. SALLEH. (2010). An approach to improve Back-propagation algorithm by using adaptive gain. *Biomedical Soft Computing and Human Sciences*, Vol.16, No.2, pp.125-134. ISSN2185-2421.
 24. **Rozaida GHAZALI**, Nazri MOHD NAWI, Mohd. Najib MOHD. SALLEH. (2010). Dynamic Ridge Polynomial Neural Network with a Real Time Recurrent Learning Algorithm: Forecasting the S&P 500. *Biomedical Soft Computing and Human Sciences*, Vol.16, No.2, pp.97-103. ISSN2185-2421.
 25. Tutut Herawan, **Rozaida Ghazali**, Iwan Tri Riyadi Yanto, and Mustafa Mat Deris (2010). Rough Set Approach for Categorical Data Clustering. *International Journal of Database Theory and Application*. Vol. 3, No. 1, page 33-52, March, 2010.
 26. Tutut Herawan, **Rozaida Ghazali**, and Mustafa Mat Deris (2010). Soft Set Theoretic Approach for Dimensionality Reduction. *International Journal of Database Theory and Application*. Vol. 3, No. 2, page 47-60, June, 2010.
 27. **R. Ghazali**, N. Mohd Nawi, M. Z. Mohd. Salikon. (2009). Forecasting the UK/EU and JP/UK trading signals using Polynomials Neural Networks. *International Journal of Computer Information Systems and Industrial Management Applications (IJCSIM)*. ISSN 2150-7988 Vol.1, No.2 (2009), pp. 55–62.
 28. **Rozaida Ghazali**, Abir Jaafar Hussain, Nazri Mohd Nawi and Baharuddin Mohamad (2009). Non-stationary and stationary prediction of financial time series using dynamic ridge polynomial neural network. *Neurocomputing*, 72 (2009) 2359-2367. **IF : 1.234.**
 29. **R. Ghazali**, A. J. Hussain, P. Liatsis and H. Tawfik (2008). The application of ridge polynomial neural network to multi-step ahead financial time series prediction. *Neural Computing & Applications*, Springer-Verlag London Limited, 17:311–323, DOI: 10.1007/ s00521-007-0132-8. **IF :0.767**
 30. A. J. Hussain, **R. Ghazali**, and D. Al-Jumeily (2008). Dynamic Ridge Polynomial Neural Networks for multi-step financial time series prediction. *Int. J. Intelligent Systems Technologies and Applications*, Vol. 5, Nos. 1/2, 2008, pp 145-165. ISSN : 1740-8865 , **published by** Inderscience
 31. Shamsuddin, S. M., Mohd Hashim, S.Z., **Ghazali R.** and Abu Bakar, A. (2006). *Rangkaian Suap Balik Elman Bagi Peramalan Harga Rumah'*. *International Journal of Management Studies (IJMS)*, Jilid 13, No. 2, pg. 217-230, Disember 2006

Articles in LNCS and its series

1. T Herawan, Z Abdullah, H Chiroma, EN Sari, **R Ghazali**, NM Nawi. Cauchy criterion for the Henstock-Kurzweil integrability of fuzzy number-valued functions. *Advances in Computing, Communications and Informatics (ICACCI)*, 2014), PP: 1329-1333.
2. D Reid, AJ Hussain, H Tawfik, **R Ghazali**. Prediction of Physical Time Series Using Spiking Neural Networks, *Intelligent Computing Methodologies. Lecture Notes in Computer Science* Volume 8589, 2014, pp 816-824
3. H Shah, **R Ghazali**, T Herawan, N Khan, MS Khan. Hybrid Guided Artificial Bee Colony Algorithm for Earthquake Time Series Data Prediction. *Communication Technologies, Information Security and Sustainable Development. Communications in Computer and Information Science* Volume 414, 2014, pp 204-215.

4. **R Ghazali**, ZA Bakar, YMM Hassim, T Herawan, N Wahid. Functional Link Neural Network with Modified Cuckoo Search Training Algorithm for Physical Time Series Forecasting. *Intelligent Computing Theory*, 285-291. 2014
5. E Marlina, A Ronald, **R Ghazali**, T Herawan. Spatial Control of Post-earthquake Market Based on Paseduluran. *Computational Science and Its Applications–ICCSA 2014*, 95-108. 2014
6. Z Abdullah, T Herawan, N Ahmad, **R Ghazali**, MM Deris. Mining Indirect Least Association Rule from Students' Examination Datasets. *Computational Science and Its Applications–ICCSA 2014*, 783-797. 2014
7. A Lasisi, **R Ghazali**, T Herawan. Comparative Performance Analysis of Negative Selection Algorithm with Immune and Classification Algorithms. *Recent Advances on Soft Computing and Data Mining*, 441-452. 2014
8. SZA Bakar, **R Ghazali**, LH Ismail, T Herawan, A Lasisi. Implementation of Modified Cuckoo Search Algorithm on Functional Link Neural Network for Climate Change Prediction via Temperature and Ozone Data. *Recent Advances on Soft Computing and Data Mining*, 239-247. 2014
9. H Shah, **R Ghazali**, YMM Hassim. Honey bees inspired learning algorithm: nature intelligence can predict natural disaster. *Recent Advances on Soft Computing and Data Mining*, 215-225. 2014
10. NA Husaini, **R Ghazali**, LH Ismail, T Herawan. A Jordan Pi-Sigma Neural Network for Temperature Forecasting in Batu Pahat Region. *Recent Advances on Soft Computing and Data Mining*, 11-24. 2014
11. SZBA Bakar, **RB Ghazali**, LHB Ismail. Implementation of Modified Cuckoo Search Algorithm on Functional Link Neural Network for Temperature and Relative Humidity Prediction. *Lecture Notes in Electrical Engineering Volume 285*, 2014, pp 151-158.
12. YMM Hassim, **R Ghazali**. A Modified Artificial Bee Colony Optimization for Functional Link Neural Network Training. *Lecture Notes in Electrical Engineering Volume 285*, 2014, pp 69-78.
13. YMM Hassim, **R Ghazali**. Optimizing Functional Link Neural Network Learning Using Modified Bee Colony on Multi-class Classifications. *Lecture Notes in Electrical Engineering Volume 279*, 2014, pp 153-159. 2013
14. YMM Hassim, **R Ghazali**. Functional Link Neural Network–Artificial Bee Colony for Time Series Temperature Prediction. *Lecture Notes in Computer Science Volume 7971*, 2013, pp 427-437
15. H Shah, **R Ghazali**, NM Nawati. Global artificial bee colony algorithm for boolean function classification. *Lecture Notes in Computer Science Volume 7802*, 2013, pp 12-20.2013
16. Habib Shah, **Rozaida Ghazali**, Nazri Mohd Nawati: Global Artificial Bee Colony Algorithm for Boolean Function Classification. In: *ACIIDS (1) 2013*: 12-20, Part I. *Lecture Notes in Computer Science 7802* Springer 2013, ISBN 978-3-642-36545-4
17. Habib Shah, **Rozaida Ghazali**, Nazri Mohd Nawati, and Mustafa Mat Deris. Global Hybrid Ant Bee Colony Algorithm for Training Artificial Neural Networks. In: *ICCSA 1*, *Lecture Notes in Computer Science*, 2012, Volume 7333/2012, 87-100, DOI: 10.1007/978-3-642-31125-3_7, ISSN: 03029743
18. Habib Shah, **Rozaida Ghazali** and Nazri Mohd Nawati. Hybrid Ant Bee Colony Algorithm for Volcano Temperature Prediction. *Communications in Computer and Information Science*, 2012, Volume 281, 453-465, DOI: 10.1007/978-3-642-28962-0_43. ISSN: 1865-0929 (Print) 1865-0937 (Online)
19. Noor Aida Husaini, **Rozaida Ghazali**, Nazri Mohd Nawati and Lokman Hakim Ismail, "Jordan Pi-Sigma Neural Network for Temperature Prediction" In T.-h. Kim et al. (Eds.): *UCMA 2011*, Part II, 11-13 April 2011, Korea, CCIS 151, pp. 547-558, 2011. © Springer-Verlag Berlin Heidelberg 2011. ISSN: 1865-0929 –april 2011
20. Norhamreeza Abdul Hamid, Nazri Mohd Nawati, **Rozaida Ghazali**, Mohd Najib Mohd Salleh." Accelerating Learning Performance of Back Propagation Algorithm by Using Adaptive Gain Together with Adaptive Momentum and Adaptive Learning Rate on Classification Problems", In T.-h. Kim et al. (Eds.): *UCMA 2011*, Part II, 11-13 April 2011, Korea, CCIS 151, pp. 559-570, 2011. © Springer-Verlag Berlin Heidelberg 2011. ISSN: 1865-0929
21. Noor Aida Husaini, **Rozaida Ghazali**, Nazri Mohd Nawati and Lokman Hakim Ismail. (2011). "Pi-Sigma Neural Network for Temperature Forecasting in Batu Pahat." In J. M. Zain et al. *ICSECS 2011*, Part III, CCIS 181, pp. 530-541, 2011. © Springer-Verlag Berlin Heidelberg 2011. ISSN: 1865-0929 –june 2011
22. Norhamreeza Abdul Hamid, Nazri Mohd Nawati, **Rozaida Ghazali**, Mohd Najib Mohd Salleh. (2011)

- Learning Efficiency Improvement of Back Propagation Algorithm by Adaptively Changing Gain Parameter together with Momentum and Learning Rate. In J. M. Zain et al. ICSECS 2011, Part III, CCIS 181, pp. 812-824, 2011. © Springer-Verlag Berlin Heidelberg 2011. ISSN: 1865-0929 –june 2011
- 23 Nazri Mohd Nawi, R. S, Ransing, **Rozaida Ghazali**, Mohd Najib Mohd Salleh, Norhamreeza Abdul Hamid. “An Improved Back Propagation Neural Network Algorithm on Classification Problems”. In Y. Zhang et al. DTA/BSBT 2010, 13-15 December 2010, Jeju Island, Korea, CCIS 118, pp. 177–188, 2010. © Springer-Verlag Berlin Heidelberg 2010.
- 24 Nazri Mohd Nawi, **Rozaida Ghazali**, Mohd Najib Mohd Salleh. “The Development of Improved Back-propagation Neural Networks Algorithm for Predicting Patients with Heart Disease”. Rongbo Zhu et al. ICICA 2010, 15-18 October 2010, Tangshan, China, Lecture Notes in Computer Science 6377, pp. 317–324, 2010. © Springer-Verlag Berlin Heidelberg 2010.
25. **Ghazali, R.**, Hussain, A. J., Al-Jumeily, D., & Merabti, M. (2007). Dynamic Ridge Polynomial Neural Networks in Exchange Rates Time Series Forecasting. *Lecture Notes in Computer Science*, 4432, pp. 123-132.

Articles in Conference Proceedings

- 1 **R Ghazali**, NA Husaini, LH Ismail, T Herawan, YMM Hassim. The performance of a Recurrent HONN for temperature time series prediction. Neural Networks (IJCNN), 2014 International Joint Conference on Neural Network, Beijing China, pp. 518-524.
2. YMM Hassim, **R Ghazali**. Solving a classification task using Functional Link Neural Networks with modified Artificial Bee Colony. Natural Computation (ICNC), 2013 Ninth International Conference on, 189-193. 2013
3. Yana Mazwin Mohmad Hassim and **Rozaida Ghazali**, “Using Artificial Bee Colony to Improve functional Link Neural Network Training”, 2012 International Conference on Information Technology and Management Innovation, Guangzhou, China, 10-11 November 2012.
4. Ashikin Ali, **Rozaida Ghazali**, and Lokman Hakim Ismail. (2012). The Wavelet Filtering in Temperature Time Series Prediction. Uncertainty Reasoning and Knowledge Engineering (URKE), 2012 2nd International Conference on, Issue Date: 14-15 Aug. 2012, pp 153-157. ISBN: 978-1-4673-1459-6
5. Habib Shah, **Rozaida Ghazali**, "Prediction of Earthquake Magnitude by an Improved ABC-MLP," dese, pp.312-317, 2011 Developments in E-systems Engineering, Dubai, United Arab Emirates, December 06-December 08, 2011. ISBN: 978-0-7695-4593-6
6. Habib shah, **R.Ghazali** and Nazri Mohd Nawi. “Artificial Bee Colony Algorithm for Predicting Tsunami Intensity” Malaysian Technical Universities International Conference on Engineering & Technology, proceeding (MUICET October 2011)
7. Habib shah, **R.Ghazali** and Nazri Mohd Nawi. “Artificial Bee Colony Algorithm for Training the Multilayer Perceptron to Predict the Tsunami from Undersea Earthquake Seismic Signals” Post Graduate Siminar 2010 UTHM Proceeding.
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2. Mohd Najib Mohd Salleh, Nazri Mohd Nawawi and **Rozaida Ghazali** (2011). Uncertainty Analysis Using Fuzzy Sets for Decision Support System. In C. Jao (Ed.) Efficient Decision Support Systems: Practice and Challenges – From Current to Future. InTech. ISBN 978-953-307-441-2.
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4. **Ghazali, R.**, & al-Jumeily, D. (2009). Application of Pi-Sigma Neural Networks and Ridge Polynomial Neural Networks to Financial Time Series Prediction. In *Artificial Higher Order Neural Networks for Economics and Business* (pp. 271-293). Hershey, New York: Information Science Reference.

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HONORS & AWARDS

1. Gold Award in Research and Innovation competition, UTHM - ICT category, Nov 2012.
2. Bronze Award in Research and Innovation competition, UTHM, Nov 2011.
3. Bronze Award in Malaysia Technology Expo (MTE 2010)
“BPGD-AG: The New Improved Back Propagation Algorithm”.
4. Silver Award in International Invention, Innovation and Technology Exhibition 2010 (ITEX'10)
“Evaluation of physiotherapy treatment based on Fuzzy Logic Approach (Lumbar Spine)”
5. Bronze Award in International Invention, Innovation and Technology Exhibition 2009 (ITEX'09)
A Fuzzy Logic Determination System for Water Quality Index
6. Biographical profile in ‘Who’s Who in the World 2011 (28th Edition), 2011
7. Anugerah Perkhidmatan Cemerlang, UTHM, 2009