

CURRICULUM VITAE

A. Personal Data	
1. Name	: NUREIZE BINTI ARBAIY
2. IC No	: 790828-01-5210
3. Date and Place of Birth	: 28 TH AUGUST 1979 / BATU PAHAT, MALAYSIA
4. Sex	: FEMALE
5. Nationality	: MALAYSIAN
6. Name of Current Employer	: FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY UNIVERSITY OF TUN HUSSEIN ONN MALAYSIA,
7. Address	: 86400 PARTI RAJA, BATU PAHAT, JOHOR DARUL TAKZIM, MALAYSIA
8. Telephone No	: +607-4533726
9. Fax No	: +607-4532199
10. Title of Position Held	: LECTURER
11. Email Address	: nureize@uthm.edu.my
B. Educational Qualifications	
1. Academic Qualification	
Degree	: BACHELOR OF SCIENCE (COMPUTER)
Field	: COMPUTER SCIENCE
Year	: JULY, 2001
Name and Place of Institution	: UNIVERSITI TEKNOLOGI MALAYSIA (UTM), MALAYSIA
Degree	: THE DEGREE OF MASTER OF SCIENCE (INTELLIGENT SYSTEM)
Field	: INTELLIGENT SYSTEM
Year	: SEPTEMBER, 2004
Name and Place of Institution	: UNIVERSITI UTARA MALAYSIA (UUM), MALAYSIA
Degree	: DOCTOR OF ENGINEERING
Field	: SOFT COMPUTING
Year	: 2012
Name and Place of Institution	: WASEDA UNIVERSITY, JAPAN
2. Other Professional Courses Completed	
Field	: -
Year	: -

3 Number of Years of Experience in the Field of Specialization: 5

4 Fields of Specialization : INTELLIGENT SYSTEM, SOFT COMPUTING

Artificial Intelligent (A.I) - Expert System, Fuzzy System and Hybrid System

Information System (IS) – Decision Support System, Information System

Fuzzy Random Evaluation and Information

5 Major Research Programmes/Projects Completed

Title : Pest Activity Prognosis Using Fuzzy Expert System

From : March 2004

To : June 2004

Position held : Researcher – Master Project

Major output : A web site that provide Fuzzy Expert System engine to forecast the level of pest activity in the rice fields

Title : Log Information Mining Using Association Rules Technique

From : October 2004

To : April 2005

Position held : Co-Researcher

Major output : Usage pattern (statistic) of Utusan Tutor.com portal.

Title : Web Usage Mining in Online Community for Evaluating Staff Performance

From : April 2005

To : September 2005

Position held : Co-Researcher

Major output : Usage pattern of E-FTMM Community for staff's evaluation

Title : Coronary Heart Disease Diagnosis using Fuzzy Expert System

From : October 2005

To : March 2006

Position held : Co-Researcher

Major output : Web Based System for Coronary Heart Disease

Title : Fresh Water Fish Disease Using Expert System

From : May 2006

To : October 2006

Position held : Co-Researcher

Major output : Web Based Fresh Water Fish Disease

Title : Fuzzy System for Pineapple Grading

From : May 2006

To : October 2006

Position held : Co-Researcher

Major output : Web Based for Pineapple Grading

Title : Multi-criteria decision evaluation using fuzzy AHP for staff performance,

From : 1/5/2007

To : 30/04/2008

Position held : Researcher

Major Output : Fuzzy AHP Evaluation for staff performance

Title : Multi-criteria Evaluation Model in Fuzzy Random Environments

From : April 2008 – April 2012

Position : PhD research

Major Output : Fuzzy Random Multi-criteria Mathematical Models and Production Applications

C. Research Achievements

- i) Silver for Pest Activity Prognosis using Fuzzy Expert System, on Malaysian IPTA's R & D Exhibition, 2005
- ii) Silver for 'FuzzyX for Pest Activity Prognosis' at 34th International Exhibition on Inventions, New Techniques & Products", Geneva, 5th-9th April 2006
- iii) Bronze Medal, 'Fuzzy Expert System for Coronary Heart Disease', At RI FEST, 23 – 25 Oktober 2007.

1. Honors and Awards : Vice Chancellor Gold Medal for Master Science (Intelligent System, UUM Malaysia, 2004

2. Major Publications :

- a. Pest Activity Prognosis in the Rice field Using Mobile Devices, Encyclopedia Paper, Nureize Arbaiy, Mustafa b Mat Deris, Zurinah Suradi, Azizul Azhar b Ramli
- b. Fuzzy Based Model for Student's Performance Evaluation, In Proceeding at Computer Science and Mathematics Symposium 2006, Science and Technology Faculty,
- c. Kolej Universiti Sains dan Teknologi Malaysia (KUSTEM), Malaysia, 8-9 November 2006, Nureize bt Arbaiy, Nurul Azma bt Abdullah, Prof Madya Dr Zurinah Suradi, Dr Noor Haslina bt Yusof,
- d. Integrated Pest Management System Using Fuzzy Expert System, In Proceeding at Knowledge Management International Conference & Exhibition (KMICE 2006), Universiti Utara Malaysia (UUM), Malaysia, 2006, Nureize bt Arbaiy and Fadzilah bt Siraj.
- e. Hierarchical Fuzzy Rule-Based Model For Teaching Performance Evaluation, In Proceeding At International Conference On ICT For The Muslim World 2006 (ICT4M 2006), Faculty Of Information And Communication Technology, International Islamic University Malaysia (IIUM), MALAYSIA, 21-23/11/2006, Nureize bt Arbaiy and Azizul Azhar b Ramli
- f. Pest Activity Prognosis in the Rice field Using Mobile Devices, Encyclopedia Paper, Nureize Arbaiy, Mustafa b Mat Deris, Zurinah Suradi, Azizul Azhar b Ramli
- g. Log Information Mining Using Association Rules Technique, In Proceedings of International Conference on Robotic, Vision, Information and Signal Processing 2005 (ROVISP 2005), USM, Penang, Malaysia, Mohd Helmy Ab Wahab, Azizul Azhar b Ramli, Nureize Arbaiy, Zurinah Suradi
- h. Web Usage Mining in Online Community for Evaluating Staff Performance, In Proceedings of the International Conference on Information Technology and Multimedia at UNITEN (ICIMU' 05, Malaysia), November 2005, Nureize Arbaiy, Azizul Azhar b Ramli, Zurinah Suradi, Noor Haslina Yusoff
- i. Statistical Mathematics: Laboratory Activities, KUiTTTHO Malaysia Publishing, 2006.

- a) A. Nureize and J. Watada, 'A Fuzzy Regression Approach to Hierarchical Evaluation Model for Oil Palm Grading', *In. Proc. IEEE International Conference on Industrial Engineering and Engineering Management (IEEM 2008)*, Singapore, Ref: [10.1109/IEEM.2008.4737916](https://doi.org/10.1109/IEEM.2008.4737916).
- b) A. Nureize and J. Watada, 'A Robust Approach To Construction of Hierarchical Evaluation Model', *In. Proc. Annual Conference of Biomedical Fuzzy Set Association*, Kochi University of Technology, Kochi, Japan, 2008.
- c) Nureize and J. Watada, 'Building Fuzzy Random Regression Analysis and Its Application', Japan Association of Simulation & Gaming (JASAG) 2008, Annual Fall Program Year 2008.
- d) Nureize and J. Watada, 'Fuzzy Random Multi-attribute Evaluation for Oil Palm Fruit', *In. Proc. 2nd International Conference on Control, Instrumentation and Mechatronic Engineering (CIM09)*, University Teknologi Malaysia, Malaysia, 2009.
- e) Nureize and J. Watada, 'Multi-criteria Fuzzy Regression Model for Evaluating Oil Palm Grading', *In. Proc. The International Conference on Man-Machine Systems (ICoMMS 2009)*, UniMAP, Malaysia, 2009.
- f) Nureize and J. Watada, 'Measurement of Decision Maker's Performance in a Fuzzy Multi-attribute Decision Making', *In. Proc. IEEE International Conference on Industrial Engineering and Engineering Management (IEEM 2009)*, Hong Kong, 2009, Ref: [10.1109/IEEM.2009.5373108](https://doi.org/10.1109/IEEM.2009.5373108)
- g) Nureize and J. Watada, 'Performance measurement of decision making from fuzzy system perspective', *In. Proc. SOFT Kyushu Domestic Conference 2009*, Kyushu Institute Technology, Japan, 2009.
- h) Nureize and J. Watada, 'Approximation of goal constraints coefficients in Fuzzy Goal Programming', *In. Proc. 2nd International Conference on Computer Engineering and Application (ICCEA 2010)*, Bali, Indonesia, 2010, Ref: <http://doi.ieeeecomputersociety.org/10.1109/ICCEA.2010.39>
- i) Nureize and J. Watada, 'Constructing Fuzzy Random Goal Constraints for Stochastic Goal Programming', *In. Proc. International Symposium on Integrated Uncertainty Management and Applications*, JAIST. Ishikawa Japan, 2010.
- j) A. Nureize and J. Watada, 'Building Fuzzy Random Objective Function for Interval Fuzzy Goal', *In. Proc. IEEE International Conference on Industrial Engineering and Engineering Management (IEEM 2010)*, Macau, 2010, Ref: [10.1109/IEEM.2010.5674223](https://doi.org/10.1109/IEEM.2010.5674223)
- k) A. Nureize and J. Watada, 'Multi-level Multi-Objective Decision Problem through Fuzzy Random Regression based Objective Function', *In. Proc. IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2011)*, Taipei, Taiwan, 2011.
- l) A. Nureize and J. Watada, 'Building Multi-attribute Decision Model under Hybrid Uncertainty', *In. Proc. Soft Science Workshop*, Sapporo, Japan, 2011.
- m) A. Nureize and J. Watada, 'Fuzzy Goal Programming for Multi-Level Multi-Objective Problem: An Additive Model', *In. Proc. 2nd International Conference on Software Engineering and Computer Systems*, Universiti Malaysia Pahang, Malaysia, 2011.
- n) A. Nureize and J. Watada, 'A Fuzzy Random Regression Based Goal Programming Approach to Multi-Level Multi-Objective Problem', *In. Proc. World Conference on Soft Computing*, San Francisco 2011 - WConSC'11, 2011.
- o) A. Nureize and J. Watada, 'Building Multi-Attribute Decision Model Based on Kansei Information in Environment with Hybrid Uncertainty', *In. Proc. 3rd International Conference on Intelligent Decision Technologies KES IDT 2011*, University of Piraeus, Greece, 2011
- p) A. Nureize and J. Watada, 'Possibilistic programming decision making in modality perspective' *In. Proc. IEEE International Conference on Industrial Engineering and Engineering Management (IEEM 2011)*, 2011.

Lecture notes

1. Nureize, A. and Suradi, Z. "Staff Performance Appraisal using Fuzzy Evaluation," *Artificial Intelligence and Innovations 2007: From Theory to Applications*, IFIP International Federation for Information Processing, 2007, Volume 247/2007, 195-203.
2. Nureize, A., and Watada, J, Constructing Fuzzy Random Goal Constraints for Stochastic Goal Programming, V.-N. Huynh et al. (Eds.): *Integrated Uncertainty Management and Applications*, AISC 68, pp. 293–304, Springer-Verlag Berlin Heidelberg 2010.
3. Nureize A. and Watada, J., Fuzzy Goal Programming for Multi-level Multi-objective Problem: An Additive Model J.M. Zain et al. (Eds.): *ICSECS 2011, Part II*, CCIS 180, pp. 81–95, 2011, © Springer-Verlag Berlin Heidelberg 2011.
4. Building Multi-Attribute Decision Model Based on Kansei Information in Environment with Hybrid Uncertainty, Watada et al. (Eds.): *Smart Innovation, Systems and Technologies*, 2011, Volume 10, Part I, pp. 103-112

Journals

1. A. Nureize, and J. Watada, 2010. "A fuzzy regression approach to a hierarchical evaluation model for oil palm fruit grading," *Fuzzy Optimization and Decision Making*, vol. 9, no. 1, pp. 105-122, 2010.
2. A. Nureize and J. Watada, 2011. "Multi-Attribute Decision Making in Contractor Selection Under Hybrid Uncertainty," *Journal of Advanced Computational Intelligence and Intelligent Informatics*, Vol.15, No.4, pp. 465-472 .
3. A. Nureize and J. Watada, 2011. "Fuzzy Random Regression Based Multi-attribute Evaluation and Its Application to Oil Palm Fruit Grading," *Annals of Operation Research*, Vol. , No. , pp. ., to appear 2011.
4. A. Nureize and J. Watada, 2011. "Multi-objective Top-Down Decision Making through Additive Fuzzy Goal Programming," *Trans. of the Society of Instrument and Control Engineers (SICE)*, to appear 2011.