

CURRICULUM VITAE



1.PERSONAL PARTICULAR:

Full Name : Nur Syibrah Binti Muhamad Naim
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2.HIGHER EDUCATION:

Year From	Year To	Institutions Attended	Degree Level	Major/Minor	Grade / CGPA
2004	2007	Universiti Malaysia Terengganu	BSc	Financial Mathematics	3.08
2008	2010	Universiti Malaysia Terengganu	MSc	Applied Mathematics (Type-1 Fuzzy Sets)	Pass (Thesis: Municipal Solid Waste Landfill Evaluation Using Fuzzy Approach)
2011	2014	University of Essex, UK	PhD	Computer Science (Type-2 Fuzzy Logic and Decision Making)	Pass (Thesis: A Type-2 Fuzzy Logic Approach for Multi Criteria Group Decision Making)

3.CURRENT POSITION:

Date	Employer (Name and Full Address)	Position and Description of Duties
12/08/2016	School of Computer Science, Universiti Sains Malaysia (USM), 11800 USM, Penang	Lecturer (DS51) – lectures, students' supervision, conduct research projects, administrative jobs.

4.AREAS OF EXPERTISE:

Notably type-2 fuzzy sets, multi-criteria group decision-making, fuzzy logic, intuitionistic fuzzy sets, fuzzy expert system, computing with words, mathematical optimisation, evolutionary computation and other areas of application of fuzzy computing.

5.EXPERT TECHNICAL/CONTRIBUTION:

Activities	Institution	Level
Technical Program Committee (TPC) CEEC (2015, 2016)	Computer Science and Electronic Engineering Conference / University of Essex	International
Member of Publicity and Sponsorship for 'The 10th Int-Gt International Conference On Mathematics, Statistics And Its Applications' (2014)	Universiti Malaysia Terengganu	International
Panel of Judges for the Final Presentation of Northern Region Engineering, Science & Technology Youth Program 2016	USM in collaboration with CREST & Academy of Science Malaysia	National (Northern Region)

6.RESEARCH GRANT:

Project Title	Role	Source and Level	Period
An Investigation of Higher Ordered Type-2 Fuzzy Logic Decision Making System in Ocean Engineering	Leader	RAGS, National	December 2014 - In Progress
Assessment of Coastal Erosion Risks Using a New Interval Type-2 DEMATEL Model: A Case of Setiu Wetlands Coastal Area	Co-researcher	NIC NRGS-UMT, National	March 2015 - In Progress
Lighting Automation Based Optimised Type- 2 Fuzzy Logic Controller in an Intelligent Environment	Leader	USM Short Term Grant	1/10/2017 - 30/9/2019

7. TRAINING/WORKSHOP:

Training/Workshop	Level	Period
R with Data Mining	University	2016
Workshop on Leadership & Career Development for Young Academics	National	2016
Intel Malaysia - MDEC-USM Edison Workshop	National	2016
Searching for Optimal Solution – Traditional & AI Optimization Techniques	National	2017
MWICOM Mentor to Mentor workshop (Motorola Solution Penang, Malaysia) – ATTENDING AND ORGANISING TO STUDENTS	National	2017

8. PUBLICATIONS:

Articles in Journals

Imran, C.T., Syibrah, M.N. & Mohd Lazim, A., (2008), New condition for conflicting bifuzzy sets based on intuitionistic evaluation, International Journal of Computational and Mathematical Sciences, Vol 2(4) : 161-165

Lazim Abdullah, Nur Syibrah Muhd Naim, Abd Fatah Wahab, (2011), Determination of weight for landfill-siting criteria under conflicting bifuzzy preference relation, Journal of Sustainability Science and Management, Vol 6(1) : 139-147

S. Naim, and H. Hagrass, (2013), A Big-Bang Big-Crunch Optimized General Type-2 Fuzzy Logic Approach for Multi-Criteria Group Decision Making, Journal of Artificial Intelligence and Soft Computing Research, Vol 3(2)

S. Naim, and H. Hagrass, (2013), A Type 2-Hesitation Fuzzy Logic based MultiCriteria Group Decision Making System for Intelligent Shared Environments, Journal of Soft Computing

N. Zamri, S. Naim and L. Abdullah, (2015), Development of an Equitable Linguistic Approach Based on Interval Type-2 Fuzzy Set of Multi-Criteria Decision Making for Flood Control Project Selection, Under Review

Chapter in Books

Syibrah Naim and Hani Hagrass (2015), A Type-2 Fuzzy Logic Approach for MultiCriteria Group Decision Making in Granular Computing and Decision-Making Edition 10 Page : 123-164, Springer

Thesis Dissertations

A Type-2 Fuzzy Logic Approach for Multi-Criteria Group Decision Making, University of Essex, School of Computer Science and Electronic Engineering, 2014

Articles in Proceedings

Syibrah M. N., Mohd Lazim, A. & Imran, C. T. (2008), Conflicting bifuzzy preference relations in group decision making, Prosiding Seminar Kebangsaan Aplikasi Sains dan Matematik (SKASM08), Nov., Johor Bahru

Syibrah M. N., Mohd Lazim, A. & Abdul Fatah, W. (2009), Intuitionistic fuzzy multi-criteria decision making

approach for landfill siting, Proceeding UMT Postgraduate Conference, , in press, (pp. 193 – 204), Langkawi

Syibrah, M.N., Mohd Lazim, A., Imran, C.T. & Abu Osman, M. T. (2009), New fuzzy preference relations and its application in group decision making, World Academy of Science, Engineering and Technology, 54, 690 – 695, ISSN 1307-6884, Paris

Syibrah M. N., Mohd Lazim, A., Abdul Fatah W. & Imran C. T. (2009), Multicriteria decision making methods based on intuitionistic fuzzy sets, Proceedings of the 5th Asian Mathematical Conference, Kuala Lumpur, 3, 709 – 716.

Syibrah M. N., Mohd Lazim, A. & Imran, C. T. (2010), Weights determination based on new preference relations., Proceedings of the 2nd IEEE International Conference on Advanced Computer Control (ICACC 2010), March, 370 – 375, Shenyang, China

Nur Syibrah, M.N., Lazim, A., Imran, T. (2010), An Evaluation of Landfill Sitting Criteria based on New Fuzzy Preferences Relations, Proceedings of the 3rd International Conference on Southeast Asian Natural Resources and Environmental Management, August, Kota Kinabalu, UMS

S. Naim, and H. Hagrass (2011), Type-2 Fuzzy Logic in Multi-criteria Group Decision Making with Intuitionistic Evaluation, Proceeding of the 11th Annual Workshop on Computational Intelligence, Manchester UK

S. Naim, and H. Hagrass (2012), A Fuzzy Logic Based Multi-Criteria Group Decision Making System for the Assessment of Umbilical Cord Acid-Base Balance, Proceedings of the IEEE International Conference on Fuzzy Systems held within the World Congress on Computational Intelligence (WCCI), Brisbane, Australia

S. Naim, and H. Hagrass (2012), A Hybrid Approach for Multi-Criteria Group Decision Making Based on Interval Type-2 Fuzzy Logic and Intuitionistic Fuzzy Evaluation, Proceedings of the IEEE International Conference on Fuzzy Systems held within the World Congress on Computational Intelligence (WCCI), Brisbane, Australia

S. Naim, and H. Hagrass (2013), A General Type-2 Fuzzy Logic Based Approach for Multi-Criteria Group Decision Making, Proceedings of the IEEE International Conference on Fuzzy Systems, Hyderabad, India

S. Naim, and H. Hagrass (2013), A General Type-2 Fuzzy Logic Based Multi-Criteria Group Decision Making for Lighting Level Selection in an Intelligent Environment, Proceedings of the 5th Computer Science & the Electronic Engineering Conference, Colchester UK

S. Naim, H. Hagrass and A. Bilgin (2013), Employing An Interval Type-2 Fuzzy Logic and Hesitation Index in a Multi Criteria Group Decision Making System for Lighting Level Selection in an Intelligent Environment, Proceedings of the IEEE Symposium on Computational Intelligence, Singapore

H. Konihing, S. Ahmad and S. Naim (2015), Forecasting of Asian Tourist Arrival to Sabah : Comparison of Grey Forecasting Model and Fuzzy Grey Model, 3rd International Postgraduate Conference in Science and Mathematics, IPCSM'15, 10/10/2015, 11/10/2015, Universiti Pendidikan Sultan Idris

N. Zamri, S. Naim and L. Abdullah (2015), A New Linguistic Scale for Interval Type2 Trapezoidal Fuzzy Number based Multi Criteria Decision Making Method, IEEE International Conference on Fuzzy System, Istanbul, Turkey

Amirah Yaafar, Syibrah Naim, Lazim Abdullah and Ahmad Ayob (2016), Evaluating Criteria of Port Dock for Ship Berthing Using Fuzzy Topsis Approach, International Conference And Workshop On Mathematical Analysis 2016 (ICWOMA 2016), Accepted for Oral Presentation, August 2-4, 2016, Kuala Terengganu, Malaysia

Hanani Ismail, Syibrah Naim, Lazim Abdullah and Ahmad Ayob (2016), Fuzzy Logic Controller for Mobile Robot in Coastal Area, Simposium Kebangsaan Sains Matematik Ke-24 (SKSM24), September 27-29, 2016, Kuala Terengganu, Malaysia

Hanani Ismail, Syibrah Naim, Lazim Abdullah and Ahmad Ayob (2016), Fuzzy Logic Controller for Mobile Robot in Coastal Area, Symposium Kebangsaan Sains Matematik Ke-24 (SKSM24), September 27-29, 2016, Kuala Terengganu, Malaysia

Hanani Ismail, Syibrah Naim, Nasiruddin Mahyuddin and Faisal Ayob (2017), Obstacles Avoidance Control for Autonomous Mobile Robot Based On Fuzzy Logic Controller, Applied Mathematics in Science and Engineering (PIAMSE 2015), October, 2017, Phuket, Thailand. Accepted

9. OTHER CONTRIBUTION:

Activity	Role	Level	Period
Reviewer for many international journal and proceeding publications such as: <ul style="list-style-type: none"> • <i>IEEE Transaction on Fuzzy Systems</i> • <i>Soft Computing</i> • <i>International Journal of Robotics and Automation</i> • <i>Journal of Multi-Criteria Decision Analysis</i> • <i>International Journal of Information Processing and Management</i> 	Reviewer	International	June 2013 - Present
Final year project supervision for undergraduate students	Supervisor	University	March 2014 - Present

10. PERSONAL SKILL:

Software: Words, Excel, Power point, SPSS, etc
 Programming language: JAVA, C++, MATLAB
 Decision making, critical thinking and problem solving

11. REFEREE:

1. Professor Mohd Lazim Abdullah Deputy Dean (Research and Academic Talent) School of Informatics and Applied Mathematics Universiti Malaysia Terengganu 21030 Kuala Terengganu Malaysia Email: lazim_m@umt.edu.my Phone: +60139868480
2. Professor Hani Hagra BSc, MSc, PhD, IEEE Fellow, IET Fellow Director of the Computational Intelligence Centre Head of the Intelligent Environments Research Group Head of the Fuzzy Systems Research Group School of Computer Science and Electronic Engineering University of Essex Wivenhoe Park Colchester CO4 3SQ United Kingdom Phone: +44 1206 873601 Fax: +44 1207 872788 Email: hani@essex.ac.uk
3. Asst. Prof. Dr. Tufan KUMBASAR Control and Automation Engineering Department Faculty of Electrical and Electronic Engineering Istanbul Technical University, Ayazaga Campus Maslak-34469 Istanbul/TURKEY Phone: (+90) 212 285 3578 Fax: (+90) 212 285 2920 e-mail: kumbasart@itu.edu.tr web: <http://web.itu.edu.tr/kumbasart>