

Professor Zaharin Yusoff

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Education:

PhD (Computational Linguistics), Universiti Sains Malaysia (and Universite Joseph Fourier, France)

MSc (Algebraic Geometry), University of Kent, United Kingdom

BSc (Pure Mathematics), University of Kent, United Kingdom

Teaching:

Mathematics for Computing / Discrete Mathematics

Artificial Intelligence / Knowledge Representation

Brief Employment History:

Universiti Sains Malaysia (Dean of School of Computer Sciences, Dean of ICT Research Platform)

MIMOS Berhad (Senior Director)

Universiti Tenaga Nasional Malaysia (Dean of College of Postgraduate Studies)

Multimedia University (President)

Gagasan Wibawa Sdn Bhd – Andaman Group (Senior Consultant)

Universiti Malaysia Sarawak

Universiti Pertahanan Nasional Malaysia

Research Interests:

Artificial Intelligence (Language & Knowledge Technology) and its applications

Selected Publications:

1. Zaharin Y., *Towards an analyser (parser) in a machine translation system based on ideas from expert systems*, Journal Computational Intelligence (special issue on artificial intelligence in France), vol.4, no.2, May, Canada (20p), 1988.
2. Zaharin Y., Ch. Boitet, *Representation trees and string-tree correspondences*, proceedings of the 12th International Conference on Computational Linguistics, COLING-88, Budapest, August, pp.59-64, 1988.
3. Zaharin Y., *Imbuhan-i: suatu pendekatan parafrasa*, Jurnal Dewan Bahasa, Kuala Lumpur, vol.1, no.1, September, (13p), 1989.
4. Zaharin Y., Y. Lepage, *On the specification of abstract linguistic structures in formalisms for machine translation*, proceedings of the International Symposium on Natural Language Understanding and Artificial Intelligence, Kyushu, 13-15 July, (9p), 1992.
5. Zaharin Y., Tang E.K., *Handling crossed dependencies with the STCG*, proceedings of the Natural Language Processing Pacific Rim Symposium '95 (NLPRS'95), Seoul 4-8 December 1995.
6. Zaharin Y., S. Sibte R. A, Goh A., *Telemedicine in the Malaysian Multimedia Super Corridor: Towards Personalised Lifetime Healthcare Plans*, in P. Kokol, B. Zupan, J. Stare, M. Premik & R. Engelbrecht (Eds), Medical Informatics in Europe (MIE 99), IOS Press, Amsterdam, 1999.
7. Tang E.K., Zaharin Y., Al-Adhaileh, M.H., *A Synchronization Structure of SSTC and its Applications in Machine Translation*, COLING-02 Post-conference Workshop "Workshop on Machine Translation in Asia", Taipei, Taiwan, September 2002.
8. S. N. Alidda M. G., Zaharin Y., S. Nasir. A. Z., *Determining Position of Target Subjects in Maritime Search and Rescue (MSAR) Operations Using Rotary Wing Unmanned Aerial Vehicles (UAVs)*, proceedings of the International Conference on Information and Communication Technology – 2016 (ICICTM'16), Kuala Lumpur, May, (4p) → *IEEE Journal Explorer*, 2016.
9. Rizal M. I., Zaharin Y., *A Watermarking Technique to Improve the Security Level in Face Recognition Systems: An Experiment with Principal Component Analysis (PCA) for Face Recognition and Discrete Cosine Transform (DCT) for Watermarking*”, proceedings of the International Conference on Information and Communication Technology – 2016 (ICICTM'16), Kuala Lumpur, May, (4p)) → *IEEE Journal Explorer*, 2016.