



CURRICULUM VITAE

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Assistant Professor

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ACADEMIC QUALIFICATION

1.	Doctor of Philosophy Loughborough University, United Kingdom	2011
2.	Masters in Information Management Universiti Teknologi MARA	2000
3.	Bachelor of Information Technology Universiti Teknologi MARA	1998

WORKING EXPERIENCE

1.	Assistant Professor Department of Computer Science, KICT, IIUM	Nov. 2011 – present
2.	Head Department of Computer Science, KICT, IIUM	2010 – Jun 2013
3.	Coordinator for Final Year Project Department of Computer Science, KICT, IIUM	2002 – 2003
4.	Lecturer Department of Computer Science, KICT, IIUM	2001 – 2011
5.	I.T. Executive SIRIM Berhad	1998 – 2001

FIELD OF SPECIALIZATION

1.	Computer Networking
2.	Ad hoc Networks and Vehicular Ad hoc Networks
3.	Cloud Computing
4.	Routing Protocols

FIELD OF SPECIALIZATION

5.	Performance Measurement
6.	Operating Systems

PUBLICATIONS

Book

1. Shah, Asadullah and Sayed, Inayatullah Shah and Soomro, Ali Raza and Muhammed Yusof, Zulkefli (2011) *Research methodologies: a practical approach*. IIUM Press, Kuala Lumpur. ISBN 9789674180171
2. Muhammed Yusof, Zulkefli and Rahman, M.M. Hafizur, eds. (2011) *An anthology of applied computer technologies*. IIUM Press, Kuala Lumpur, 0-1. ISBN 9789674181062

Book Chapter

1. Muhammed Yusof, Zulkefli and Mat Rawi, Ammar (2011) *Content management system minisite*. In: *An anthology of applied computer technologies*. IIUM Press, Kuala Lumpur, pp. 189-203. ISBN 9789674181062
2. Muhammed Yusof, Zulkefli and ., Mohd Asyraf (2011) *Mobile data service in Java 2 Platform Micro Edition (J2ME): mobile order*. In: *An anthology of applied computer technologies*. IIUM Press, Kuala Lumpur, pp. 177-187. ISBN 9789674181062
3. Muhammed Yusof, Zulkefli and Mat Zin, Nur Nazmah (2011) *The impact of transmission range over node density in Vehicular Ad Hoc Network (VANET) with obstruction of road infrastucture*. In: *An anthology of applied computer technologies*. IIUM Press, Kuala Lumpur, pp. 167-176. ISBN 9789674181062
4. Z. M. Yusof, J. A. Flint, S.Datta, "Performance of CBR and TCP Traffics in Various MANET Environments," in *Innovative Algorithms and Techniques in Automation, Industrial Electronics and Telecommunications*, T. Sobh et al. (eds.), The Netherlands: Springer, 2007, pp. 541-545

Conference Papers

1. Waqas, Ahmad and Muhammed Yusof, Zulkefli and Shah, Asadullah and Bhatti, Zeeshan and Mahmood , Nadeem (2015) *Simulation of Resources Sharing Architecture (ReSa) between clouds using Java programming*. In: *2014 The 5th International Conference on Information & Communication Technology for the Muslim World (ICT4M 2014)*, 17-19 November 2014, Kuching, Sarawak.
2. Ahmad Waqas, Zulkefli Muhammed Yusof, Asadullah Shah, Nadeem Mahmood," *Sharing of*

PUBLICATIONS

- Attacks Information across Clouds for Improving Security: A Conceptual Framework,” in the Proceeding of International Conference on Computer, Communication, and Control Technology (I4CT 2014), Langkawi, Kedah, Malaysia, September 2 - 4, 2014
3. Ahmad Waqas, Zulkefli Muhammed Yusof, Asadullah Shah, Mohammad Asif Khan, “ ReSA: Architecture for Resources Sharing Between Clouds, ” in the Proceeding of Information Assurance and Cyber Security (CIACS), 2014, Rawalpindi, Pakistan, June 2014
 4. Ahmad Waqas, Zulkefli Muhammed Yusof, Asadullah Shah, “ A security-based survey and classification of Cloud Architectures, State of Art and Future Directions,” in the Proceeding of International Conference on Advanced Computer Science Applications and Technologies (ACSAT), 2013, Kuching, Malaysia, December 2013
 5. A. Waqas, N. Majeed, Z. M. Yusof, A. W. Mahesar, “ Dynamic object replica placement using underlying routing protocols: Ensuring the reliability,” in the Proceedings of 5th International Conference of Information and Communication Technology for the Muslim World (ICT4M), 2013, Rabat, Morocco, March 2013
 6. A. Waqas, Z. M. Yusof, A. Shah, “Fault Tolerant Cloud Computing,” in the Proceedings of 5th International Conference of Information and Communication Technology for the Muslim World (ICT4M), 2013, Rabat, Morocco, March 2013
 7. Z. M. Yusof, N. M. M. Zin, N. H. S. Baharun, N. S. M. Khairi, “Implementation issues of vehicular ad hoc network applications: Selected case studies in Malaysia,” in the Proceedings of 5th International Conference of Information and Communication Technology for the Muslim World (ICT4M), 2013, Rabat, Morocco, March 2013
 8. Z. M. Yusof, J. A. Flint, “Performance Metrics for the Prediction of Link and Path Availability in VANETs,” in the Proceedings of 2009 IEEE 9th Malaysia International Conference on Communications (MICC 2009), Kuala Lumpur, Malaysia, December 2009
 9. Z. M. Yusof, J. A. Flint, S.Datta, “Mobility Model based on Cellular Automata and the Effect of Transmission Range in a Vehicular Ad hoc Network,” in the Proceedings of the International Conference on Robotics, Vision, Information and Signal Processing ROVIS2007, Penang, Malaysia, pp. 676-680, 2007

PhD Thesis

Performance Metrics and Routing in Vehicular Ad hoc Networks.

RESEARCH / CONSULTANCY / INNOVATION

1.	A Novel Model of Routing Protocol for Mobile Ad hoc Networks Based On Link Reliability (2013)	RM50,000
2.	A Strategic Implementation of Simulations on Vehicular Ad hoc Networks (2012)	RM20,000

RESEARCH / CONSULTANCY / INNOVATION

3.	Implementation of Vehicular Ad hoc Network applications in Malaysia (2011)	RM5,000
4.	A Novel Protocol for Device Independent Mobility in Next Generation Wireless Networks – (2011) (<i>member</i>)	RM 300,000