

CURRICULUM VITAE

NAME	WAN MUHD AMINUDDIN WAN HUSSIN PhD.,MBA,B.Sc.(Hons),Dip.L.Surv.,MISM,AMInstCES
PRESENT POSITION	Associate Professor/Lecturer
N.R.I.C.	5426375 (580916-03-5443)
DATE AND PLACE OF BIRTH	16 September 1958, Kota Bharu, Kelantan, Malaysia
MARITAL STATUS	Married
PRESENT EMPLOYER AND MAILING ADDRESS	School of Civil Engineering Universiti Sains Malaysia Perak Branch Campus 31750 Tronoh Perak Darul Ridzuan Malaysia Tel: 05-3676901, 012-5202222 Fax:05-3677440 Email: cewan@kcp.usm.my
EDUCATION	Diploma in Land Surveying (1979) MARA Institute of Technology Shah Alam, Selangor Malaysia B.Sc(Hons) Surveying and Mapping Sciences (1985) North East London Polytechnic (East London University) United Kingdom Doctor of Philosophy (1989) The Nottingham Trent University United Kingdom Masters in Business Administration (MBA) (1998) American University in London United Kingdom
MAIN AREAS OF INTEREST	Cadastral Surveying Engineering Surveying Surveying Management
EMPLOYMENT	Associate Professor (1996 - present) School of Civil Engineering Universiti Sains Malaysia Lecturer (1989 - present) School of Civil Engineering Universiti Sains Malaysia (Subjects; Engineering Surveying I and II, Mining Surveying, Geographical Information System [GIS], Engineering Management) Deputy Dean (1989 - 1993) School of Civil Engineering Universiti Sains Malaysia

	Program Chairman (Post-Graduate Studies) (1994 - 1995) School of Civil Engineering Universiti Sains Malaysia Program Chairman (Geomatic Engineering) (2000 - present) School of Civil Engineering Universiti Sains Malaysia Research Assistant (1986 - 1989) Department of Civil and Structural Engineering The Nottingham Trent University, United Kingdom Cadastral Surveyor (1985 - 1986) Department of Surveying and Mapping Kuala Lumpur Malaysia Technical Assistant (Survey) (1979 - 1981) Department of Surveying and Mapping Kuala Lumpur Malaysia Lecturer (Part-time)(1988) WEDC Loughborough University of Technology United Kingdom
PROFESSIONAL MEMBERSHIP AND POSTS HELD	Member, Insitution of Surveyor Malaysia (MISM) (1986 - present) Associate Member, Institution of Civil Engineering Surveyors, United Kingdom (AMInst.CES) (1986 - present) Working Committee Member - Commission 2 (Land Information System/Geographical Information System) (GIS/LIS), Institution of Surveyors Malaysia (1994 - 1995) Working Committee Member - Commission 3 (Professional Education), Institution of Surveyors Malaysia (1994 - 1995) Member, Board of Examination and Accreditation, Institution of Surveyors Malaysia (1986 - present) Examiner (for Engineering Surveying I and II) (Professional Examination), Land Surveying Division, Institution of Surveyors Malaysia (1994 - present) Examiner (for Elementary Surveying) (Professional Examination), Quantity Surveying Division, Institution of Surveyors Malaysia (1994 - present) Examiner (for Surveying and Computing) (Professional Examination), Quantity Surveying Division, Institution of Surveyors Malaysia (2000 - present) Academic Advisor to the Department of Engineering Surveying and Geomatics, School of Engineering, MARA Institute of Technology, Shah Alam, Selangor, Malaysia. Technical Advisor to the Ministry of Education for the Diploma in Land Surveying Programme at Malaysia Polytechnics (1995-present)

CONSULTANTS	Syarikat Juruukur Rahman (Licensed Land Surveying firm), Kuala Lumpur, Malaysia (1990 - present) Perunding Ukur KSN (Licensed Land Surveying firm), Subang Jaya, Selangor, Malaysia (1990 - present) Syarikat Abdullah Taha & Rakan-Rakan (Licensed Land Surveying firm), Kuala Lumpur, Malaysia (1990 - 1995)
OTHER RELEVANT EXPERIENCES AND PROJECTS UNDERTAKEN	Field Supervisor (1987) Annual Survey Camp, Ferryside, Dyfed, South Wales (The Nottingham Trent University, United Kingdom) Part-time Lecturer (1988) WEDC, Loughborough University of Technology, United Kingdom Field Supervisor (1989) Annual Survey Camp, Llanfairfechan, North Wales (The Nottingham Trent University, United Kingdom) Cadastral Surveyor (1978) Department of Surveying, Kelantan (Land Ownership Scheme, Pasir Putih, Kelantan)
VISIT AWARDS	Queensland University of Technology, Brisbane, Australia (1991) Sponsor: International Development Program/Universiti Sains Malaysia (IDP/USM) Wuhan Technical University of Surveying and Mapping (WTUSM), Wuhan, People's Republic of China (1992) Sponsor: Asean Development Bank/Universiti Sains Malaysia (ADB/USM)
MAJOR CONSULTANCY PROJECTS UNDERTAKEN	Investigation of the strength of the Clock Tower Building, Teluk Intan, Perak (1991 -1992) (Perak Hilir District Council) Soil investigation for the siting of Electric Power Station (Phase 1), Yan, Kedah (1992) (Tenaga Nasional Berhad) Soil investigation for the siting of Electric Power Station (Phase 2), Yan, Kedah (1992) (Tenaga Nasional Berhad) National Geographic Information Systems (GIS) Feasibility Study, Malaysia (1993) (Malaysian Business Advisors, Malaysia) Computerised Testing System - Part I (Sistem Ujian Berkomputer (SUB) - Bahagian I) (1993 - 2000) (Road and Transport Department, Malaysia) (Software is adopted by the Road and Transport Department, Malaysia for the Road and Transport Laws and Testing) Computerised Testing Tutorial System (Sistem Latihan Ujian Berkomputer (SLUB) - Bahagian I) (1993 - 2000) (Road and Transport Department, Malaysia) (Software is marketed and adopted by the Malaysian Driving Institutes under the control of the Road and Transport Department, Malaysia for the Road and Transport Laws and Testing) Environmental Impact Assessment (EIA) Studies for the Penang Ring Road Package 2 (1994) (Public Works Department, Malaysia) Road Safety Model (1994) (Road and Transport Department, Perak, Malaysia)

	Attachment to Perunding Ukur KSN (Licensed Land Survey Firm), Subang Jaya, Selangor (1992 - 1994) (Involved in supervision of various survey projects throughout the country) Detailed design of flood mitigation, Valdor, Seberang Perai Selatan (Jabatan Perparitan dan Saliran Malaysia) (2000) Penggunaan sistem saliran bio-ekologikal di Malaysia (Jabatan Perparitan dan Saliran Malaysia) (2000 - present)
MAJOR RESEARCH WORKS/PROJECTS UNDERTAKEN	An analysis of the Malaysia Survey Department Cadastral Backlog With Proposals for its Minimisation (1986 - 1989) (PhD) (Sponsor: Universiti Sains Malaysia and Public Services Malaysia) Statistical Analysis of the Cadastral Survey Backlog at the Malaysian Survey Department (1990 - 1992) (Sponsor: Universiti Sains Malaysia) Penyelidikan Jangka Pendek (Ketua Penyelidik) Preparation of Survey Data and Land Information Systems for Seri Iskandar New Township, Perak (1991 - 1993) (Sponsor: Universiti Sains Malaysia) Penyelidikan Jangka Panjang (IRPA) (Ketua Penyelidik) Cost-Benefit Analysis of the Automated Survey System Versus Traditional Methods 'From Field To Finish' (1994 - 1996) (Sponsor: Universiti Sains Malaysia) (Ketua Penyelidik) Pembangunan Perisian Sistem Latihan Ujian Berkomputer (SLUB) (1998-1999), Geran Penyelidikan Jangka Pendek, Universiti Sains Malaysia (Sponsor: Universiti Sains Malaysia) (Ketua Penyelidik) Statistical Analysis of the Cadastral Survey Backlog at the Department of Surveying and Mapping, Malaysia (MBA Thesis) (1999) (Sponsor: Messrs. Wan Hussin Wan Omar Kedai Emas, Kelantan) Development of Geospatial Database for Intelligent Transport System (2000-2001), Geran Penyelidikan Jangka Pendek, Universiti Sains Malaysia (Sponsor: Universiti Sains Malaysia) (Penyelidik Bersama) Penghasilan Pemodelan Permukaan Berdigit Menggunakan Kaedah Fotogrametri Udara Jarak Dekat (2001-2002) Geran Penyelidikan Jangka Pendek, Universiti Sains Malaysia (Sponsor: Universiti Sains Malaysia) (Ketua Penyelidik)
Publication, Records of papers presented at Conferences/ Seminars/ Workshops locally/overseas:	W.M.A. Wan Hussin, "Modern Trends in Surveying", The Surveyor, (The Professional Journal of the Institution of Surveyors, Malaysia, Vol. 23, No. 2, 2nd. Quarterly, pp 11-13 (1988) W.M.A. Wan Hussin, "Data Geografi Sebagai Model Kebenaran (Model of Reality)", National Workshop on Geographical Information System (GIS), Malaysian Centre for Remote Sensing, Kuala Lumpur (1991) W.M.A. Wan Hussin et al, "Investigation on the Strength and Stability of the Clock Tower Building at Teluk Intan, Perak", (compiled and edited), technical report submitted to the Majlis Hilir Perak, Teluk Intan, Perak, (1991).

W.M.A. Wan Hussin, **"Importance of Training for Future Technologists"**, Keynote Address, Nottingham and Trent Malay Students Association Annual Dinner, (1988), England

W.M.A. Wan Hussin, **"Budaya Ilmu dan Perubahan Sikap Melayu Masakini"**, Kursus Kesedaran dan Kecemerlangan Pelajar, SMDARY, Bota Kanan, Perak, (1991)

W.M.A. Wan Hussin, **"Data Geografi Sebagai Model Kebenaran (Model of Reality)"**, National Workshop on Geographical Information System (GIS), Malaysian Centre for Remote Sensing, Kuala Lumpur, (1991)

W.M.A. Wan Hussin, **"Implementation of the Malaysian Land Information"**, Seminar on Integrated Land, Resource and Environmental Management System, Wisma Putra World Trade Centre (PWTC), Kuala Lumpur, (1992)

W.M.A. Wan Hussin, **"The Malaysian Cadastral survey System - A Preview"**, Invited Public Lecture Department of Photogrammetry and Remote Sensing, Wuhan Technical University of Surveying and Mapping, Wuhan, People's Republic of China, (1992)

W.M.A. Wan Hussin, **"The Malaysian Cadastral survey System - Meeting the Challenges"**, Invited Public Lecture, Department of Photogrammetry and Remote Sensing, Wuhan Technical University of Surveying and Mapping, Wuhan, People's Republic of China, (1992)

W.M.A. Wan Hussin, **"Benefits of Improving the National Control Networking System"**, Invited Public Lecture, Department of Engineering Surveying and Mapping, Wuhan, People's Republic of China, (1992)

W.M.A. Wan Hussin, **"The Needs for More Research in Cadastral Survey Control Network"**, Invited Public Lecture, Department of Cadastral Surveying, Wuhan Technical University of Surveying and Mapping, Wuhan, People's Republic of China, (1992)

W.M.A. Wan Hussin, **"Engineering Surveying Syllabus for Civil Engineers"**, National Workshop on Engineering Surveying Education, School of Civil Engineering, USM (1993)

W.M.A. Wan Hussin and B. Hannigan, **"Applications of Insurance Principles in Land Registration in Malaysia"**, (1993)

W.M.A. Wan Hussin, **"GIS Awareness - An Overview"**, National Workshop on Engineering Surveying Education, (1993)

W.M.A. Wan Hussin, **"The Use of Total Station and Electronic Data Recorder in Surveying - Costs Analysis"**, Kursus Asas Ukur Kejuruteraan, Institut Teknologi MARA, (1994)

W.M.A. Wan Hussin, **"Surveying and Mapping in Malaysia - History and Development"**, Kursus Asas Ukur Tanah Peringkat Kebangsaan, Institution of Surveyors Malaysia/Universiti Sains Malaysia, Lumut (1996)

W.M.A. Wan Hussin, **"Cadastral Surveying and Procedures - Definition, Classes and Procedures"**, Kursus Asas Ukur Tanah Peringkat Kebangsaan, Institution of Surveyors Malaysia/Universiti Sains Malaysia, Lumut (1996)

W.M.A. Wan Hussin, "Types of Survey and Land System", Kursus Asas Ukur Tanah Peringkat Kebangsaan, Institution of Surveyors Malaysia/Universiti Sains Malaysia, Lumut (1996)

W.M.A. Wan Hussin, "*The Malaysian Cadastral System - Present Practice*", Kursus Asas Ukur Tanah Peringkat Kebangsaan, Institution of Surveyors Malaysia/Universiti Sains Malaysia, Lumut (1996)

W.M.A. Wan Hussin, "*Ukur Kadastra - Pengendalian Sistem dan Penyelesaian Masalah*", Kursus Asas Ukur Tanah Peringkat Kebangsaan, Institution of Surveyors Malaysia/Universiti Sains Malaysia, Lumut (1996)

W.M.A. Wan Hussin, "*Perlaksanaan Sistem Ujian Berkomputer (Bahagian 1) (SUB) di Jabatan Pengangkutan Jalan Malaysia dan Hubungannya Dengan Sistem Latihan Ujian Berkomputer (SLUB)*", Majlis Menandatangani Perjanjian Perlaksanaan di JPJ Negeri Melaka dan Perasmian Kompleks Melaka Safety Driving Centre (1996)

W.M.A. Wan Hussin, "*Prosedur Ukur Kejuruteraan - Memenuhi Spesifikasi*", Kursus Pendek - Memahami Spesifikasi Kejuruteraan Awam, Pusat Pengajian Kejuruteraan Awam, Universiti Sains Malaysia (1997)

W.M.A. Wan Hussin, "*Engineering Survey Education For Civil Engineers At University Level - Academic Excellence Versus Syllabus Density*", 1977 Annual Meeting of Geoinformation Engineering, Faculty of Engineering and Geoinformation Sciences, University of Technology Malaysia, Skudai Johor (1997)

W.M.A. Wan Hussin, "*Tunggakan Ukur Kadastra Negara - Kajian Statistik dan Cabaran Kepada Juruukur Tanah*", Seminar "Perkembangan Geographical Information System (GIS) Dalam Bidang Ukur Tanah", Politeknik Ungku Omar, Ipoh (1998)

Rosli Hamir & W.M.A. Wan Hussin, "*Construction Scheduling and Control Techniques - Schedule Related Claims*", 1998 Annual Bulletin, Institution of Engineers Malaysia, Perak Branch, pp7-10 (1998)

A.B. Ghani, N.A. Zakaria, R. Abdullah, L.M. Sidek, I. Abustan, M.N. Adlan and W.M.A. Wan Hussin, "*Water Resources and Conservation - Attenuation of Flood Hydrograph and Increase of Groundwater Replenishment*", Paper presented at World Water Day International Conference, Century Mahkota Hotel, Melaka (Mac 1999)

W.M.A. Wan Hussin, "*Dissertation Presentation and Assessment - A Quick Guide*", invited paper presented at Kolej Utama Kelantan (1999)

W.M.A. Wan Hussin, "*Tegangan dan Kesannya Terhadap Prestasi Jurutera di Tapak*", Annual Bulletin 1999, Institution of Engineers Malaysia (1999)

W.M.A. Wan Hussin, "*Analisis Kesan Ketegangan Terhadap Prestasi Juruukur Tanah*", Seminar Tahunan Kejuruteraan Geoinformasi '99, ITM Resort and Convention Centre UITM Shah Alam (1999)

W.M.A. Wan Hussin and M.S.S. Ahamad, "*Pendidikan Geomatik dan Kaitannya Dengan Jurutera Awam Alaf Baru*", Persidangan Kebangsaan Kejuruteraan Awam '99 (AWAM '99), Orient Star Resort, Lumut, Perak (Januari 2000)

W.M.A. Wan Hussin and R.S. Naidu, ***"Kesan Tegangan Terhadap Prestasi Jurutera di Tapak"***, Persidangan Kebangsaan Kejuruteraan Awam '99 (AWAM '99), Orient Star Resort, Lumut, Perak (Januari 2000)

W.M.A. Wan Hussin, ***"Contemporary Issues on the Use of Information Technology in the Construction Industry"***, Persidangan Kebangsaan Kejuruteraan Awam '99 (AWAM '99), Orient Star Resort, Lumut, Perak (Januari 2000)

W.M.A. Wan Hussin, ***"Kesan Stress Terhadap Prestasi Juruukur Tanah - Satu Realiti"***, Ceramah Akademik 'Professional Practice', Jabatan Sains Ukur dan Geomatik, Fakulti Senibina, Perancangan dan Ukur, Universiti Teknologi MARA, Shah Alam (Februari 2000)

W.M.A. Wan Hussin, ***"Cara-Cara Mengatasi Stress Di Kalangan Pelajar"***, Bengkel Kecemerlangan Pembelajaran anjuran Kumpulan Kebajikan Warga Kelantan (KKWK) Negeri Perak di USM Perak (Ogos 2000)

W.M.A. Wan Hussin, ***"Pengurusan Stress dan Kaitannya Dengan Pemanduan"***, Kursus Pensijilan Jurulatih Berkelayakan (QTI), Institut Memandu PSM/JPJ Negeri Terengganu, Hotel Primula Park Royal, K. Terengganu (September 2000)

W.M.A. Wan Hussin, A. Khaizi and R. Ibrahim, ***"Kesan Perubahan Persekitaran dan Stress Yang Dihadapi Pelajar: Satu Kajian di Universiti Sains Malaysia Kampus Cawangan Perak"***, Seminar Penginapan Pelajar Kebangsaan (SPARK 2000), Universiti Sains Malaysia P. Pinang (2000)

A. Hussin, W.M.A. Wan Hussin and M.S.S. Ahamad, ***"Pengekstrekan Struktur Buatan Secara Otomatik Dari Model Permukaan Berdigit"***, Seminar Tahunan Kejuruteraan Geoinformasi 2000, UPM Serdang (2000)

M.S.S. Ahamad and W.M.A. Wan Hussin, ***"Optimal Decision Model For Spatial Land Use Allocation"***, Seminar Tahunan Kejuruteraan Geoinformasi 2000, UPM Serdang (2000)

M.S. Khalidi, M.S.S. Ahamad and W.M.A. Wan Hussin, ***"Penggunaan Analisis 'Time Series' Dalam Kajian Perubahan Litupan Dan Gunatanah Daerah Ipoh"***, Seminar Tahunan Kejuruteraan Geoinformasi 2000, UPM Serdang (2000)

W.M.A. Wan Hussin, M.S.S. Ahamad and N.A. Zakaria, ***"Young Site Engineers and the Holistic Approach Towards Stress Management"***, 4th SEA Regional Conference on Higher Education Network (RECHEEN 2000), Universiti Malaya (March 2001)