



Name : ABDULLAH HISAM BIN OMAR
Date of Birth : 27th March 1974
Nationality : Malaysia
Marital Status : Married

Home Address : No 4, JPB 5, Taman Pulai Bayu, 81300, Johor Bahru, Johor
:Tel 607 562 7995 (H) H/P: 019 -7572426

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Malaysia
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Website:

ACADEMIC QUALIFICATION

2004 : Ph.D Geomatic Engineering
University of Technology Malaysia
1999 : MSc Land Surveying
University of Technology Malaysia
1997 : B. Sc. Land Surveying (Hons)
University of Technology Malaysia

AWARDS AND HONORS RECEIVED

June 2018 : The best FIG Commission 5 Paper at a FIG Working Week or a FIG
Congress 2018 Istanbul, Turkey
FIG: Article Of The Month: navXperience Award
April 2014 : Silver Medal
International Innovation, Design And Articulation
(i-DEA) 2014, Arau, Malaysia
March 2014 : Best Paper
Second Asian Fellowship of Professionals Conference of Current and
Emerging Trends in Science and Engineering
Surabaya, Indonesia
March 2013 : March 2013
Gold Medal
Invention, Innovation and Design Expo
(iiDEX) 2013, Shah Alam, Malaysia

PROFESSIONAL EXPERIENCE

- 2019-2022 : Chair of Working Group 4.4 : Marine Development and Administration , Commission 4 International Federation of Surveyors (FIG)
- Current : Member, The Royal Institution of Surveyors, Malaysia (RISM), Geomatic and Land Surveying (GLS) Division, Membership No.: M4148
- 2018- Current : Member of National Geodetic Working Group Department of Survey and Mapping Malaysia
- 2000-2005 : Technical Adviser to the Project on 'Coordinated Cadastral System, Department of Survey and Mapping Malaysia

JOURNAL EDITOR/EDITORIAL/ADVISORY PANEL

- 2019-2022 : Chair of Working Group 4.4 : Marine Development and Administration International Federation of Surveyors (FIG)
- 2019 : Scientific Committee of International Geomatics And Geospatial Technology, 2019 (Scopus)
- 2018 : Scientific Committee of Geomatics And Geospatial Technology, 2018 (Scopus)
- 2018 : Member of Editorial Board for Journal of Tropical Marine Science and Technology (JITKT), Bogor Agricultural University, Indonesia

ADMINISTRATIVE EXPERIENCE

FACULTY LEVEL

- Current : Senior Lecturer/ Geomatic Program Coordinator for School of Professional and Continuing Education/ University of Technology Malaysia
- Current : Senior Lecturer / Head of Geomatic Innovation Research Group / Faculty of Built Environment and Surveying, University of Technology Malaysia
- 2018 : Committee Members of Sarawak Geocentric Datum Workshop
- 2018 : Committee Members of Geomatic Program Accreditation: Board of Land Surveyor of Malaysia

2017 : Facilitator Workshop GPS Ground Point For Uav Mapping

2017 : Panel for University Research Grant Tier 1: Innovative Engineering

2017 : Faculty Endowmen Manager

2017 : Committee Members of Geomatic Program Malaysia Quality Accreditation

2016/2018 : Coordinator For Program SEA I GO- Internship Student From Institute of Technology Bandung, Indonesia

2016 : Panel of Post Graduate Evaluation

2016 : Committee Members of Geoid Summer School 2016

2015-2018 : Land and Marine Space Administration: Geomatic Innovation Group

2014-2015 : Senior Lecturer / Lab Manager) Faculty of Geoinformation Science & Engineering / University of Technology Malaysia

2014 : Committee Members of UTM-Institute of Technology Bandung, Indonesia Knowledge Exchange

2006-2010 : Senior Lecturer / Coordinator of Post Graduate Study (Geomatic Engineering) Faculty of Geoinformation Science & Engineering / University of Technology Malaysia

2015-Current : Committee Members of Penyemak Kertas Soalan Peperiksaan

2013 : Committee Members of Occupational Safety, Health and Environment

2003-2006 : Head of Cadastre & Land. Info Group Institute For Geospatial Science & Technology (INSTEG) Faculty of Geoinformation Science & Engineering / University of Technology Malaysia

2003-2008 : Committee Members of Publication (Faculty) , April 2004 - 2008

2003-2007 : Committee Members of IT (Faculty)

2003 - 2007 : Committee Members of Research (Faculty)

2003 – 2007 : Committee Members of Seminar and Colloquium (Faculty),

2004 – 2006 : Committee Members of Quality Assurance For Geomatic Engineering Course

2000- 2007 : Webmaster Jabatan Kejuruteraan Geomatik

2005-2006 : Supervisor For Geomatic Survey Camp Program

2005 – 2006 : Champion for Generic Skill program.

2007 : Faculty Web Master

2006-2007 : Member of International Seminar on Geoinformation/GNSS07 Organizing Committee.

2006 : Facilitator for Basic Hydrographic Surveying Course-Fugro Employee.

2006 : Lecturer For Basic Hydrographic Surveying Course- Fugro Employee

2010-2012 : Lecturer For IHO/FIG/ICA HYDRO Cat A and Cat B

2010-2012 : Editor Journal of Geoinfomation

UNIVERSITY LEVEL

2019- Current : Geomatic Innovation Research Group Leader, Innovative Engineering Research Alliance, Deputy Vice Chancellor (Research and Innovation)

2018-Current : Committee Member of Research Management Centre Tender Evaluation

2017 : University Grant (GUP) Evaluator T1

2015-2016 : Committee Members of University Conculatancy Policy

2013-2015 : Project Leader between UTM-KQ Geo Technologies (China) Academic Colloboration

2011 : University Grant (GUP) Evaluator T1

2012 : Escience Research Grant Evaluator

2011-2013 : Project Leader of University Transformation Programme : Financial Management

2011 : Prototye Research Grant Scheme Evaluator

2011 : University Grant (GUP) Evaluator T1

2011-2013 : Committee Members of Centre of Student Inovation

2011-2013 : Committee Members of Pengurusan Aset Alih

2010-2013 : Committee Members of Lab Management Group

2005-2006 : Committee Members of Aerospace, IT and Telecommunication (ASIIT) Research Focus Group

NATIONAL COMMITTEE/TASKFORCE

- 2019 : Committee Members of National Falaq Conference
- 2019 : Committee Members of Annular Solar Eclipse 2019, University of Technology Malaysia, National Space Agency
- 2018- Current : Member of National Geodetic Working Group
Department of Survey and Mapping Malaysia
- 2015 : Facilitator For Underground Utility Detection & Mapping, Board of Land License Surveyor Malaysia
- 2015 : Panel For Marine Cadastre Roundtable , Department of Survey and Mapping Malaysia

INTERNATIONAL APPOINTMENT/COMMITTEE

Positions Leader/Chairman/Member/Employer/Etc.)/Committe

- 2019-2022 : Chair of Working Group 4.4 : Marine Development and Administration ,International Federation of Surveyors (FIG)
- 2018 : Reviewer for Journal Of Science And Technology, Universiti Putra Malaysia - Scopus
- 2018 : Scientific Committee Geomatics And Geospatial Technology (GGT 2018) – Scopus
- 2018 : Editorial Board for Journal of Tropical Marine Science and Technology (JITKT), Bogor Agricultural University, Indonesia
- 2017 : Reviewer For Jurnal Teknologi, University of Tun Hussein Onn, Malaysia
- 2017 : Reviewer For Jurnal Teknologi, University of Technology Malaysia - Scopus
- 2017 : Reviewer for Journal Science and Technology, University Putra Malaysia - Scopus
- 2016 : Oman Academic Accreditation Authority Reference form for Institutional External Reviewers
- 2016 : Scientific Committee For International Conference on Geospatial and Geomatic Technology , Kuala Lumpur

PROFESSIONAL MEMBERSHIP AND RECOGNITION

- Current : Member Member, The Royal Institution of Surveyors, Malaysia (RISM), Geomatic and Land Surveying (GLS) Division, M 4148

TEACHING EXPERIENCES

UNDERGRADUATE COURSES TAUGHT

SGHU3909	:	Internship program	/9 hours	/20182019-2
SGHU3903	:	Internship program- Seminar	/3 hours	/20182019-2
SGHU4853	:	Development and Implementation of GIS	/3 hours	/20182019-2
SGHU372	:	Project Management For Surveyor	/2 hours	/20182019-2
SGHU4944	:	Final Year Project 2	/4 hours	/20182019-2
SGHU3553	:	Advance Geographical Information System	/3 hours	/20182019-2
SGHG3422	:	Cadastral Studies	/2 hours	/20182019-2
SGHU4853	:	Development and Implementation of GIS	/3 hours	/20172018-2
SGHU372	:	Project Management For Surveyor	/2 hours	/20172018-2
SGHU4944	:	Final Year Project 2	/4 hours	/20172018-2
SGHU3909	:	Internship program	/9 hours	/20172018-2
SGHU3903	:	Internship program- Seminar	/3 hours	/20172018-2
SGHU3553	:	Advance Geographical Information System	/3 hours	/20172018-1
SGHU4853	:	Development and Implementation of GIS	/3 hours	/20162017-2
SGHU372	:	Project Management For Surveyor	/2 hours	/20162017-2
SGHU3909	:	Internship program	/9 hours	/20162017-2
SGHU3903	:	Internship program- Seminar	/3 hours	/20162017-2
SGHG3422	:	Cadastral Studies	/2 hours	/20162017-2
SGHU4944	:	Final Year Project 2	/4 hours	/20162017-2
SGHU4942	:	Final Year Project 1	/2 hours	/20162017-1
SGHU3553	:	Advance Geographical Information System	/3 hours	/20162017-1
SGHG3422	:	Cadastral Studies	/2 hours	/20162017-1
SGHU4853	:	Development and Implementation of GIS	/3 hours	/20152016-2
SGHU372	:	Project Management For Surveyor	/2 hours	/20152016-2
SGHU3553	:	Advance Geographical Information System	/3 hours	/20152016-1
SGHU4942	:	Final Year Project 1	/2 hours	/20152016-1
SGHU4853	:	Development and Implementation of GIS	/3 hours	/20142015-2
SGHU4944	:	Final Year Project 2	/4 hours	/20142015-2
SGHU3553	:	Advance Geographical Information System	/3 hours	/20142015-1

SGHU3553	:	Advance Geographical Information System	/3 hours	/20132014-1
SGHU3763	:	GIS Database	/3 hours	/20132014-1
SGU4953	:	Development and Implementation of GIS	/3 hours	/20122013-2
SGU3763	:	GIS Database	/3 hours	/20122013-1
SGU4953	:	Development and Implementation of GIS	/3 hours	/20122013-1
SGU3909	:	Internship program	/9 hours	/20112012-2
SGU3903	:	Internship program- Seminar	/3 hours	/20112012-2
SGU4953	:	Development and Implementation of GIS	/3 hours	/20112012-2
SGU3763	:	GIS Database	/3 hours	/20112012-1
SGU4953	:	Development and Implementation of GIS	/3 hours	/20102011-2
SGU2552	:	Development and Implementation of GIS	/2 hours	/20102011-1
SGU2552	:	Land Information System	/2 hours	/20102011-1
SGU4942		Final Year Project 1	/2 hours	/20102011-1
SGU4946		Final Year Project 2	/6 hours	/20102011-1
SGU3553	:	Advance Geographical Information System	/3 hours	/20102011-1
SGU4953	:	Development and Implementation of GIS	/3 hours	/20092010-2
SGU2552	:	Land Information System	/2 hours	/20092010-1
SGU3553	:	Advance Geographical Information System	/3 hours	/20092010-1
		Professional Internship with Industry		/20082009-2
		Professional Internship with Industry		/20082009-1
SGU3763	:	GIS Database	/3 hours	20072008-2
SGU3553	:	Advance Geographical Information System	/3 hours	20072008-1

POSTGRADUATE COURSE TAUGHT

MGHU1034	:	Geomatic Project Management	/4 hours	/20182019-2
MGHU1054	:	Geographical Information	/4 hours	/20182019-1

MGHU1034	: System Geomatic Project Management	/4 hours	/20172018-2
MGHU1054	: Geographical Information System	/4 hours	/20172018-1
MGHU1034	: Geomatic Project Management	/4 hours	/20162017-2
MGHU1054	: Geographical Information System	/4 hours	/20162017-1
MGHU1054	: Geographical Information System	/4 hours	/20152016-1
MGHU1034	: Geomatic Project Management	/4 hours	/20142015-2
MGHU1054	: Geographical Information System	/4 hours	/20142015-1
MGHU1064	: Land/Geographical Information System	/4 hours	/20132014-1
MGU1064	: Land/Geographical Information System	/4 hours	/20122013-2
MGU1064	: Land/Geographical Information System	/4 hours	/20112012-2
MGU1014	: Cadastral Studies	/4 hours	/20112012-1
MGU1064	: Land/Geographical Information System	/4 hours	/20112012-1
MGU1014	: Cadastral Studies	/4 hours	/20112012-1
MGU1064	: Land/Geographical Information System	/4 hours	/20102011-2

SUPERVISION OF VISITING PROFESSORS

NONE

RESEARCH PROJECT UNDERTAKEN

University Funded Research

2000-2001	: Project Leader/Seabed Mapping Using Raw Side Scan Sonar Data /Vot 71750 (RM20,000), RMC UTM
2002-2003	: Project Leader/ The Development of Cadastral Database Selection Application to Support Modern Cadastral and Malaysian Spatial Data Infrastructure/ Vot 71879 , (RM20,000),RMC UTM
2002-2003	: Project Leader/ The Development of Geofencing Technique for Geocentric Based Geospatial Data/ Vot 71907 ,(RM20,000),RMC UTM
2003-2004	: Project Member/ The Development of Geometric Rectification Technique For Satellite Data Imagery Using New Geocentric-Based Datum/ Vot 75037/(RM20,000),RMC UTM

- 2003-2004 : Project Leader/ The Development of GIS Online Based Cadastral Control Infrastructure/Vot 75040 (RM20,000), RMC UTM
- 2012-2014 : Project Leader / Development of Multi-Sensor for Modern Cadastral Boundary Mark/ Fot T2 05J70/ (RM 40,000) GUP UTM
- 2015-2016 : Project Leader / Study Of Effectiveness Of RFID Technology For The Monitoring And Enforcement Of Land Activities/ Fot T1 14H52/(RM50,000.00), GUP UTM
- 2015-2017 : Project Leader / Simplification Of Map Object Using Hybrid Douglas-Peucker Flower Pollination Algorithm For Optimizing Cartographic Generalization, VOT T1 11H72 / (RM50,000), GUP UTM
- 2015-2017 : Project Leader / Agriculture For Food Security: Geospatial Management Of Piper Nigrum Disorder For Productivity Enhancement, VOT T1 12H33/ (RM50,000), GUP UTM
- 2016-2018 : Project Member/ Enhanced Flower Pollination Algorithm For Map Object Simplification/ Fot T1 14H13 (RM 60,200.00), GUP UTM
- 2016-2018 : Project Member/ Marine Geoid Determination from Satellite Geodetic Missions over Malaysian Seas for Application of Offshore Engineering Works/ Fot T1 12H99 (RM49,800), GUP UTM
- 2018-2019 : Project Leader /Optimum Inter-Station Distance for GPS Distance-Dependent Errors Modelling in Support of Network-Based Real Time Kinematic Positioning/ Fot T1 9H51(RM 50,000), GUP UTM
- 2018-2019 : Project Member/ Least Squares Variance Component Estimation For Geodetic Application/ Fot T1 19H83 (RM40,600) ,GUP UTM
- 2018-2020 : Project Member/ Space Geodetic Observation For Ocean Renewable Energy Resource Assessment In The Region Of Malaysia/ Fot T1 19H26 (RM50,000), GUP UTM
- 2018-2019 : Project Member / A Localized Strain Map For Characterizing Seismic Deformation Of Malaysia / Fot T2 14J79 (RM20,000), GUP UTM

RESEARCH GRANT SCHEME (IRPA/FRGS/ESCIENCE FUND)

- 1997-2000 : Project Member/ The Development of Computer Package for The Teaching and Learning of Space Technology Applications/ Fot 72033 (RM90,250)/ IRPA, Ministry of Science, Technology and Innovation
- 2003-2005 : Project Member/nDevelopment Of A Low Cost Integration Marine Navigation System For Leisure Crafts and Small Boats/ Fot 74159 (RM180,000), IRPA , Ministry of Science, Technology and Innovation

- 2004-2006 : Project Leader/ Development Of Automated Cadastral Database Selection and Visualization To Support The Realization Of Modern Cadastre In Malaysia, Vot 74270 (RM93,000), IRPA , Ministry of Science, Technology and Innovation
- 2004-2005 : Project Member/ Integration of Land Records and Satellite Derived Data For The Development of Modern Cadastre in Malaysia. Vot 72362. RM 90,000.
- 2004-2006 : Project Member/ Development Of Automated GPS Processing Engine/Vot 74121 (RM150,000), IRPA , Ministry of Science, Technology and Innovation
- 2007-2009 : Project Leader/ Online Dynamic Cadastral Block Segmentation And Dynamic Network Adjustment Of Land Record For Modern Cadastre In Malaysia/ Vot 72033 , RM 164,800, escience, Ministry of Science, Technology and Innovation
- 2009-2011 : Project Leader/ Modelling And Recognition Of Shoreline Definition For Marine For Marine Cadastre Application Vot 78415, RM50,000/ FRGS, Ministry of Higher Education
- 2012-2014 : Project Leader/ Geoinformation Based Marine Cadastre Legal System. Vot 4S05, RM 295,000.00./ eScience, Ministry of Science, Technology and Innovation.
- 2015-2016 : Project Leader/ Dynamic On The Fly Seamless Accurate 3D Land And Marine Geospatial Map Objects Transformation And Translation. Vot 22178, Rm86,000/ FRGS, Ministry of Higher Education
- 2015-2017 : Project Member/ An Equivalent Generating Algorithm to Model Fuzzy Petri Net for Knowledge Representation/Vot 4F721, RM 76,700.00, FRGS, Ministry of Higher Education
- 2017-2020 : Project Member/ Modeling Afterslip Crustal Deformation Of Sundaland's Earthquake For Malaysia/Vot 4F962, RM106,000.00, FRGS, Ministry of Higher Education

CONTRACT RESEARCH PROJECT ETC.

- 2000-2002 : Project Member/ Methodology for the Development of Digital Coordinated Cadastral Database/ A Joint Project Between UTM, University College London and Department of Survey and Mapping Malaysia, Project sponsored by Licensed Land Surveyors Board, RM443,600.
- 2000-2002 : Project Member/ Techniques for Integrating the Digital Coordinated Cadastral Data with Mapping Data/ A Joint Project Between UTM, The Ohio State University, USA, and Department of Survey and Mapping Malaysia/ Project sponsored by Licensed Land Surveyors Board, RM277,600.
- 2005 : Principal Technical Adviser / A Pilot Research Project On The Development And Implementation Of Coordinated Cadastral System For The State of Melaka/ A Joint Project Between Department of Survey and Mapping Malaysia and UTM, Project sponsored by Licensed Land Surveyors Board, RM 2,100,000.00
- 2010-2012 : Project Leader/ Marine Cadastre Infrastructure. Project sponsored by Licensed Land Surveyors Board/ Vot B04008, RM 5000.
- 2015-2016 : Project Member/ Monitoring and Maintenance of 'Differential Global Navigation Satellite System (DGNSS) System/Vot 4C75, RM 1,120,000.00, Department of Marine, Malaysia.
- 2018 : Project Member/ Feasibility Study of New SISPELSAT Station Location Phase 2/ Vot 4C188, RM142,078.51, Department of Marine, Malaysia.
- 2018 : Project Member/ Feasibility Study of New SISPELSAT Transmitter Location / Vot 4C171, RM48.140.0, Department of Marine, Malaysia.

TOP-DOWN LONG TERM RESEARCH GRANT SCHEME (LRGS) RESEARCH PROJECT AWARDED BY MINISTRY OF HIGHER EDUCATION

NONE

INTERNATIONAL CONTRACT RESEARCH

NONE

CONSULTANCY PROJECT

National

- 2002 : Principal Consultant / The Establishment Of A Primary GPS Control Network To Support The Feasibility Study On The Ulu Jelai Hydroelectric Development Scheme, Tenaga Nasional Berhad, Jun-Julai 2002, Uni-Technologies Sdn Bhd. Vot 2.284/ 424
- 2005-2006 : Project Member/ Utility Mapping Using GPS and GIS. Syarikat Air Johor (SAJ),Uni-Technologies Sdn Bhd Vot 368
- 2005 : Principal Consultant / The Establishment of A Primary GPS Control Network To Support The Feasibility Study on the Sg Pelus-Bersia, Perak Hydroelectric Development Scheme, Tenaga Nasional Berhad, Ogos-Oktober 2005, Uni-Technologies Sdn Bhd. Vot 2.284.
- 2007 : Project Leader / Training on Least Squares Adjustment Technique and Coordinate Transformation. Info-Geomatik (M) Sdn Bhd. January 2007-April 2007. Vot 426.
- 2007 : Principal Consultant/ The Establishment of A Primary GPS Control Network To Support The Feasibility Study in the Sg Tembat, Hulu Terengganu HydroElectric Development Scheme. 2007, Uni-Technologies Sdn Bhd Vot 428
- 2008 : Project Leader / Boundary Survey at Agriculture Lot in Endau County. E-Success Trading Sdn Bhd. Uni-Technologies Sdn Bhd Vot 436
- 2008 : Project Leader / Strata Data Entry For Development of National Strata Database, Dept of Survey and Mapping Malaysia, Project sponsored by Licensed Land Surveyors Board.
- 2008 : Principal Consultant / Repopulation and Recoordination of National Digital Cadastral Database, Dept of Survey and Mapping Malaysia, Project sponsored by Licensed Land Surveyors Board
- 2009-2010 : Project Leader / Development of National Geospatial Data Centre, Malaysia Centre of Geospatial Data Infrastructure. Vot 525 UTSB.
a. Development of State Geospatial Data Centre (Johor),
b. Development of State Geospatial Data Centre (Perak)
c. Development of Local Geospatial Data Centre (FT Labuan),
d. Development of Web GIS FT Labuan
- 2011-2012 : Project Leader/ Latihan Pelarasan Data Kadaster. Info-Geomatik (M) Sdn Bhd. Uni-Technologies Sdn Bhd Vot 625
- 2011-2012 : Principal Consultant / Perolehan Perkhidmatan Memperkasakan NDCDB JUPEM T8/2011.. 2011-2012. Info-Geomatik (M) Sdn Bhd. August 2011- Dec 2012. Vot 625.

- 2015 : Principal Consultant/ ICT Enterprise Intergrated System (IEIS) – Geospatial Image Online Service (GIOS: Geospatial Data Processing. Dept of Survey and Mapping Malaysia
- 2016-2017 : Principal Consultant/ Line Map Feature Extraction for Large Scale Urban Map 1:5000) , Dept of Survey and Mapping Malaysia:-
a. Dengkil Area
b. Kuantan Area
c. Batu Pahat Area
d. Pengkalan Chepa Area
- 2016-2017 : Principal Consultant/ Repository of Legacy Aerial Photo and Georeferencing , Metrology Real Sdn Bhd, Dept of Survey and Mapping Malaysia
- 2012-2013 : Project Leader/ Development of Navigational Map of Jalan Kampung for Infra Desa (J) Sdn Bhd, Vot 672, Rm76,000 Uni-Technologies Sdn Bhd
- 2014 : Project Leader/ GIS based Mobile Ronda Application for Infra Desa (J) Sdn Bhd, Vot 672 RM 153,000.00 Uni-Technologies Sdn Bhd
- 2016 : Project Leader/ Development of Geospatial Translator for Jabatan Pengairan Malaysia, , Triple Axis Sdn Bhd ,Vot 1054, RM30,000.00, Uni-Technologies Sdn Bhd
- 2016-2017 : Project Leader/ Pembangunan GIS based e-Claim application for Infra Desa (J) Sdn Bhd, 2016-2017, Uni-Technologies Sdn Bhd, RM95,400.00 GIS Based e-Claim application for Infra Desa (J) Sdn Bhd, Vot 1185, Uni-Technologies Sdn Bhd
- 2017 : Project Member, Bengkel Sistem Pelayaran Satelit (SISPELSAT) Jabatan Laut Malaysia Vot 1179, RM50,000.00, Uni-Technologies Sdn Bhd
- 2017 : Project Member/ GPS Ground Control Point For Uav Mapping Training Workshop 2017, RM30,000.00, Uni-Technologies Sdn Bhd
- 2017 : Project Member/ Khidmat Professional Analisa Cerapan Data SISPELSAT 2017 RM23925.95, Uni-Technologies Sdn Bhd
- 2018 : Project Leader/ Development of Mobile Application for Sub Contractor Vot 1445, RM127,200.00, Uni-Technologies Sdn Bhd

International

- 2002 : Principal Consultant/ Processing and Adjustment of the UAE Horizontal Geodetic Network on the ITRF using Bernese Software, Military Survey Dept of The UAE. January-December2005. Uni-Technologies Sdn Bhd..
- 2002 : Principal Consultant / SDI Development for Brunei Darussalam: Large Scale Topographic Map, Developing City GML format, 3D City Model, 2012, Brunei Survey Department ,Ktryan Communication and Services, Uni-Technologies Sdn Bhd.
- 2013 : Principal Consultant / Makkah Cadastral Migration, 2013, Geographic Technologies &Trading. Uni-Technologies Sdn Bhd
- 2014 : Principal Consultant / Development of Madinah Spatial Data Infrastructure, Geographic Technologies & Trading, Uni-Technologies Sdn Bhd
- 2014 : Project Leader/ Pilot Project On Coordinated Cadastral System (CCS) For Brunei Vot 676 rm60,000, Uni-Technologies Sdn Bhd
- 2016 : Project Leader/ Survey Methodology, Supply of Coordinate Transformation Software and Consultancy/ UTSB VOT 878, RM, 13,356.00, Penta Ocean Construction Co Ltd-TOA JV (Japan),TOA Corporation, Singapore

PATENT GRANTED

NONE

PATENT FILED/DISCLOSURE

1. **Patent:**Abdullah Hisam B Omar: The Development of Cadastral Database Application To Support Modern Cadastre. PI 20054560. 2010-2011
2. **IP:** Azlan b Mohd Zain, Abdullah Hisam b Omar and Nur Fatin Liyana Bt Mohd Rosely: Improving Quality Tolerance For Simplification of Polyline Map Object Using Fish Swarm Algorithm : LY2017005543, 2017
3. **IP:** Azlan b Mohd Zain, Abdullah Hisam b Omar and Dhabitah bt Lazim: Improving Quality Tolerance For Simplification of Polyline Map Object Using Power Pollination Algorithm : LY2017005540, 2017
4. **Patent:** Tajul ariffin b Musa, Abdullah Hisam b Omar et al: Prototype of Near Real Time GNSS Meteorology System: PI 2017704473, 2017
5. **IP:** Abdullah Hisam B Omar and Nazirah Bt Moh Abdullah: An IntegrativeGovernance Framework For Stakeholder Management In Marine Administration:LY20180049

POSTGRADUATE SUPERVISION

PhD Student (Graduated/Complete)

- **Main/Co- Supervisor:**

1. Ahmed Hamood Mohammed Al Wardi: (Graduated, 2016)
Factor Influencing The Development of Geospatial Framework For Sultanate of Oman
2. Asraf b Abdullah (UiTM): (Graduated, 2018)
Exploring The Legal And Technical Issues Toward The Development Of Marine Cadastre In Malaysia
3. Nazirah bt Mohd Abdullah (Graduated, 2017)
Development of An Integrative Governance Framework For Stakeholder Management in Marine Space Administration
4. Mohd Hafiz M Yatim ((Graduated, 2019)
A Framework of Institutional Analysis Towards An Effective Marine Spatial Planning Practice

MSc. Student Research Mode /Taught Course (Graduated/Complete)

- **Main/Co- Supervisor:**

1. Noraidah Bt Keling (Graduated, 2006)
The Development Of Online-Based Cadastral Control Infrastructure
2. Ahmed Hamood Alwardi (Oman) (Graduated, 2008)
Development Of Topographic Database For Kingdom Of Oman
3. Ali Hamood Abdullah AL Jufaily (Oman) (Graduated, 2008)
Development Of Orthophoto From High Resolution Satellite Images
4. Shadi Khoshdoni Farahani (Iran) (Graduated, 2008)
Geomatic Analysis, Integration And Evaluation Of Geodata For Defining Of Epithermal Type Au Target In Rudbar-Hactchin Area Of Iran
5. Nazirah Bt Abdullah (Graduated, 2009)
Implementation Plan Of Marine Cadastre In Malaysia
6. Fahmi Bin Azhari (Graduated, 2010)
The Development Of Web Based Cadastral Control Infrastructure
7. Shabudin Bin Saad (Graduated, 2010)
The Development Of Marine Cadastre Infrastructure
8. Noor Anim Zanariah Binti Yahaya (Graduated, 2011)
The Development Of Web Based Marine Cadastre Processing System

- 9 Wan Muhammad Azzat Bin Wan Azhar (Graduated, 2015)
Littoral Zone Modelling For Land-Marine Administration
- 10 Rasheila Binti Rahibulsadri (Graduated, 2015)
Stability Of The Lowest Astronomical Tide (LAT)
For Marine Parcel Commencement In Malaysia
- 11 Tuan Mohammad Bin Tuan Yacob (Graduated, 2016)
Geospatial Quality Assessment
- 12 Nur Fatin Liyana Binti Mohd Rosely (Graduated, 2016)
Simplication Of Polyline Map Object Using Fish Swarm Algorithm
- 13 Dhabitah Bt Lazim (Graduated, 2017)
Improving Quality Tolerance For Simplification Of Polyline Map Object
Using Power Pollination Algorithm
- 14 Mohd Farid Al Azmi Bin Isahak (Graduated, 2017)
Effectiveness Of Marine Gazetted Map For Marine Alienation
- 15 Siti Zainun Binti Mohamad (Graduated, 2017)
3D National Digital Cadastral Database
- 16 Nurhafizul B Din (Graduated, 2018)
Feature Matching Method For Legacy Aerial Photo Processing
- 17 Mohd Naszrie Bin Razali (Graduated, 2017)
Geospatial Translator Using Spatial Etl

PhD Student (Ongoing)

- **Main/Co- Supervisor:**

1. Norsharizan Mohd Hashim
Positional Accuracy Improvement of Cadastral Database
Completion Date: 2019

MSc. Student Research Mode/Taught Course (Ongoing)

- **Main/Co- Supervisor:**

1. Nor Fadzillah Bt Haron
Large Scale Map Updating Using A Fusion Technique of
UAV, Manned Aerial Vehicle and SAR
Completion Date: 2020

POSTGRADUATE EXAMINATION /VIVA
UTM STUDENTS/VIVA (CHAIRMAN/EXAMINERS/OTHERS)

PhD EXTERNAL EXAMINER

NONE

MSc EXTERNAL EXAMINER

1. Raiz B Razali
Towards The Establishment of Acceptable Limit For Total Dredge Volume Differences Between SBES and MBES in Maintenance Dredging, UiTM,2016
2. Nurul Nadiah Bt Abdul Ghafar
Mapping and Modelling The Relationship of Sea Surface Temperature(SST) and Chlorophyl A Concentration (Chl-a) Using MODIS Remote Sensing Data
3. Nur Zurairah Bt Abdul Halim
Investigating The Usability of NDCDB For Land Base Analysis, UiTM, 2018

MSc INTERNAL EXAMINER

1. Tengku Afrizal B Tengku Ali
Title/Scope of Thesis :Hydrography
Year: 2005
2. Noorzalinee Bt Ghazali
Title/Scope of Thesis :Hydrography
Year: 2005
3. Mohd Azwan Abbas
Title/Scope of Thesis: Industrial Engineering
Year: 2005
4. Ernyza Bt Endot
Title/Scope of Thesis : Geomatic Engineering
Year: 2005
5. Muhammad Asyran b. Che Mat
Title/Scope of Thesis : Geomatic Engineering
Year: 2005
6. Diana Bt Muhammad
Title/Scope of Thesis: Geomatic Engineering
Year: 2005
7. Intan Sajidah bt Abdul Aziz
Title/Scope of Thesis: Geomatic Engineering
Year: 2005

- 8 Wong Chee Siang Tony
Title/Scope of Thesis: Geomatic Engineering
Year: 2006
- 9 Haris Suryamen b Suhasril
Title/Scope of Thesis: Geomatic Engineering
Year: 2006
- 10 Kelana b Sidek
Title/Scope of Thesis: Hydrography
Year: 2007
- 11 M.D.E.K Gunatilaka
Title/Scope of Thesis: Hydrography
Year: 2007
- 12 Lau Chui Leh
Title/Scope of Thesis: Geomatic Engineering
Year: 2011
- 13 Nor Azira bt Alias
Title/Scope of Thesis: Geomatic Engineering
Year: 2011
- 14 Sheik Nasir b Kamarudin
Title/Scope of Thesis : Computer Science: Visualization of Earth
Displacement
Year: 2011
- 15 Abdul Fattah B Ibrahim
Title/Scope of Thesis: Geomatic Engineering: Structure Monitoring
Using Accelerometer, GPS and Labview
Year: 2013
- 16 Sharifah Izyani bt Abd Karin
Title/Scope of Thesis: Geomatic Engineering
Year: 2014
- 17 Nurul Asikin Che Daub
Title/Scope of Thesis: Geomatic Engineering
Year: 2015
- 18 Azdlan b Ainee
Title/Scope of Thesis: Geomatic Engineering: Development of Tidal
Model From Satellite Altimetry Data To Support Coastal Vulnerability
Indexing In Malaysia
Year: 2016
- 19 Nur Hazimah Husna bt Shokri
Title/Scope of Thesis: Geomatic Engineering:
Year: 2016
- 20 Nur Jehan Bt Jaffar
Title/Scope of Thesis: Geomatic Engineering: An Optimum Reference
Frame Transformation By utilization of Block Tectonic Motion
Year: 2017
- 21 Muhammad Hanifah b Mazlan
Title/Scope of Thesis : Geomatic Engineering: The development of
Prototype Near Real Time GPS Meteorology in Johor Bahru Malaysia

- 22 Siti Wan Syahidah bt Wan ahmad
Title/Scope of Thesis : Geomatic Engineering: Microclimatic Analysis Using GIS in Kuala Lumpur
Year: 2017
- 23 Mohd Faizuddin B Abdul Rahman
Title/Scope of Thesis : Geomatic Engineering:
Year: 2018

PhD INTERNAL EXAMINER

1. M.D.E.K Gunatilaka
Title/Scope Of Thesis: Hydrography
Year: 2010
- 2 Isa Adekunle Hamid-Mosaku
Title/Scope Of Thesis: Hydrography
Year: 2010
- 3 Nur Amalina Zulkifli
Title/Scope Of Thesis: GIS: 3D Topologically Cadastral Objects Registration Based On Land Administartion Domain Model
Year: 2016
- 4 Mohd Adly B Rosly
Title/Scope Of Thesis: Geomatic Engineering: Stakeholder Framework Of Land And Marine SDI
Year: 2017
- 5 Sajid Mahmood
Title/Scope Of Thesis: Geomatic Engineering: Optimum Cloud Topographic Model By Geodetic Terrestrial Laser Scanning Thorough Statistical Evaluation For Topographic Surevying
Year: 2017
- 6 Kelvin Tang Kang Wee
Title/Scope Of Thesis: Hydrography: Coastal And Shallow Water Seabed Topography Modelling Using Satellite Bathymetry Approach
Year: 2018
- 7 Mat Nizam B Uti
Title/Scope Of Thesis: Geomatic Engineering : The Use Of Space Geodetic Observation For Renewable Energy
Year: 2018
- 8 Mohd Hanif B Hamden
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