



Fakulti
Senibina,
Perancangan
dan Ukur

Academic Curriculum Vitae

ERAN SADEK SAID MD SADEK (Sr, Dr)

Senior Lecturer (FSPU)

Centre of Studies for Surveying Science and Geomatics
Faculty of Architecture, Planning and Surveying
Universiti Teknologi MARA,
40450 Shah Alam,
Selangor, Malaysia.

Research Interest Group: Applied Geospatial and Remote Sensing Research Group (ARSGEO)

Research Nexus UiTM (ReNeU): Cyber Technology

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Areas of Expertise

Web-mapping and mobile application, 2D/3D Geovisualization, Spatial Analysis and Modelling

<https://expert.uitm.edu.my/profile.php?id=9OBQ4mr65ccKHHDx1MIBHGR2Xknd3j/ipAUtK1Vhgo>

https://www.researchgate.net/profile/Eran_Md_Sadek

<https://scholar.google.com.my/citations?user=dzAcv88AAAAJ&hl>

Personal Information

Eran Sadek Said Md Sadek

Centre of Studies for Surveying Science and Geomatics

Applied Geospatial and Remote Sensing Research Group

Academic Qualifications

PhD Geography (Physical) University of Leeds, UK, 2012

MSc Geographic Information Science, University of Nottingham, UK, 2002

BSc Surveying Science & Geomatics, UiTM, MALAYSIA, 2001

Dip Surveying Science & Geomatics (Geographic Information System), UiTM, MALAYSIA, 1998

Professional Members

1. Royal Institution of Surveyors Malaysia (RISM), Member, 2004-Present

Teaching and Learning

1. MSc in GIS, Geovisualisation, Lecture & lab practical
2. BSc Surveying Science and Geomatics, Managing GIS, Lecture & lab practical
3. BSc Surveying Science and Geomatics, Geovisualization, Lecture & lab practical

Student Supervision

Completed

1. Siti Aekbal Salleh (MSc in the Specialism of the Built Environment), UiTM, 2006-2008
2. Fazzami Othman (MSc in the Specialism of the Built Environment), UiTM, 2013-2015
3. Hamidah Che Abdullah (MSc in the Specialism of the Built Environment), UiTM, 2014-016

On-going

1. Suhaila Hashim (PhD in the Specialism of the Built Environment), UiTM, 2013-present
2. Hasranizam Hashim (PhD in the Specialism of the Built Environment), UiTM, 2015 -present
3. Sharifah Nurul Ain Syed Mustorpha (PhD in the Specialism of the Built Environment), UiTM, 2015-present
4. Muhammad Yazrin Yasin (PhD in the Specialism of the Built Environment), UiTM, 2017-present

Publications

1. Hashim, H., Wan Mohd, W. M. N., **Sadek, E. S. S. M.**, and Dimyati, K. M.: Modeling Urban Crime Patterns Using Spatial Space Time And Regression Analysis, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLII-4/W16, 247–254, <https://doi.org/10.5194/isprs-archives-XLII-4-W16-247-2019>, 2019
2. Hashim, H & **Md Sadek, Eran** & Naim, Wan. (2018). The spatial distribution of “hotspot schools” and the relationship with crime pattern in Mukim Petaling and Klang. IOP Conference Series: Earth and Environmental Science. 169. 012109. 10.1088/1755-1315/169/1/012109.
3. Hadi, L.A., Naim, W.M., Adnan, N.A., Nisa, A., **Md Sadek, E.S.S** (2017) GIS based multi-criteria decision making for flood vulnerability index assessment, Journal of Telecommunication, Electronic and Computer Engineering, 9 (1-2), pp. 7-11. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020805923&partnerID=40&md5=272b2bc1c1271be08da6862281596c45>
4. Othman, Fazzami & Yusoff, Zaharah & **Md Sadek, Eran** & Adnan, Nor. (2014). GIS-Based Measures of Burglary and Connectivity to Housing Layout.
5. Salleh, S.A., Wan Mohd., W. M. N., Nawawi, A.H. & **Md. Sadek E.S.S.**, (2014) The Integration of 3D GIS and Virtual Technology in the Design and Development of Residential Property Marketing Information System (GRPMIS), Computer and Information Science, Vol. 1, Issue 4, pp. 37
6. Salleh, S.A., Wan Mohd., W. M. N., & **Md. Sadek E.S.S.** (2014) The Improved Conceptual Design of Web-based GIS Residential Property Marketing Information System. In book: Geoinformation for Informed Decisions, pp. 231-242. DOI: 10.1007/978-3-319-03644-1_17
7. Hashim, S, Wan Mohd., W. M. N., Adnan, N. A., **Md. Sadek E.S.S.** (2014) Evaluation of Vertical Accuracy of Airborne IFSAR and Open-Source Digital Elevation Models (DEMs) for Flood Inundation Mapping. In book: Regional Conference on Science, Technology and Social Sciences (RCSTSS 2014, Chapter: 58, Publisher: Springer, 2016, Editors: Nor Azizah Jacob, Mesliza Mohamed, Megat Ahmad Kamal Megat Hanafiah, pp.575-584. DOI: 10.1007/978-981-58
8. **Md. Sadek E.S.S.**, See L, Nawaz, R and Mitchell, G (2009) Estimating domestic water demand using a scenario-based spatial micro-simulation approach. 17th GIS Research UK (GISRUK) conference, University of Durham, April 1-3rd 2009.

9. Benjamin A., Wan Mohd, W.M.N., **Md. Sadek, E.S.S.**, Abd Latif, Z., & Md. Rani, M.N., (2006) Utilising Radio-Controlled Helicopter for Large Scale Mapping. Proceedings of International Symposium and Exhibition on Geoinformation 2006 (ISG2006)
10. Salleh, S.A., Wan Mohd, W. M. N., Nawawi, A. H. & **Md. Sadek, E.S.S.**, (2006) The Development of a Web-based GIS Property Marketing Information System. Proceedings of International Symposium and Exhibition on Geoinformation 2006 (ISG2006)
11. Salleh, S.A., Wan Mohd, W. M. N., Nawawi, A. H. & **Md. Sadek, E.S.S.**, (2006) Integrating Three Dimensional GIS And Virtual Reality In The Design And Development of Web-Based GIS Property Marketing Information System. Proceedings of International Real Estate Research Symposium (IRERS 2006)
12. Salleh, S.A., Wan Mohd, W. M. N., Nawawi, A. H. & **Md. Sadek, E.S.S.**, (2006) Logical And Physical Design of The Development of Web-Based GIS Property Marketing Information System (WGPMIS). Proceedings of International Conference in the Built Environment in the 21st Century (ICIBE 2006)
13. **Md. Sadek, E.S.S.**, Sayed Ali, S. J. & Md. Kadzim, M.R., (2005) Investigation of the potential in integrating VR and GIS technology in urban planning, Proceedings of Conference on Scientific and Social Research 2005 (CSSR 2005)
14. **Md. Sadek, E.S.S.**, Sayed Ali, S. J., & Md. Kadzim, M.R., (2004) The Design & Development of a Virtual 3D City Model, Proceedings of International Conference on Environmental Design For Living Excellence (eDesign 2004)
15. **Md. Sadek, E.S.S.**, Sayed Ali, S. J. & Md. Kadzim, M.R., (2004) The Prototype of Shah Alam Virtual City, Development & Application in Urban Planning. Proceedings of International Symposium & Exhibition on Geoinformation (ISG 2004)
16. Sayed Ali, S. J., & **Md. Sadek, E.S.S.**, (2004) Incorporating VR capabilities into GIS for visual impact analysis. Proceedings of International Real Estate Research Symposium (IRERS 2004)

Research Grants and Contracts

1. Automated Crime Awareness Application For Safer Communities Using Geospatial Technology, MySI Grant, Ministry of Science, Technology and Innovation, MOSTI (2020)
2. Building Footprint Extraction From Different Scale And Platform. Project Member. Bestari Grant IRMI UiTM (2017-2019)
3. Flood Management Impact Reduction and Relief. LRGS – MOHE, Co-researcher with UUM (2012-2015)
4. Forest microclimate dynamics and patterns with functional relation to global climate condition. FRGS – MOHE. Principal Investigator (2012-2014)

Consultation & Expertise

1. Consultation Works related to TNB Land Management Matters (January 2020-December 2021)
2. Due Diligence Study On Bus Transportation Network and Terminal Requirement (March-June 2015).
3. Routes Stock Take Using GIS Application for SPAD (June-September 2013).
4. ICT Integration Study between Majlis Perbandaran Seremban and Majlis Perbandaran Nilai for the establishment of Majlis Bandaraya Seremban (2013-2016)
5. Taxi Counter/Terminal Stock Take and Detail Taxi Fare Study Due Diligence Study for Peninsular Malaysia, Duration 5 months (February-Jun 2013).
6. "Proposal on the preparation of Orthophoto and digital 3-Dimensional Model for UiTM Shah Alam and UiTM Johor branch" (2004-2005).
7. "LIDAR Accuracy Assessment", MACRES (2003-2004).

Innovation, Commercialization & Entrepreneurial

1. 01/06/2020 Virtual Innovation Competition 2020 (VIC2020), UiTM Kelantan. Project title: i-COPS GOLD award
2. 27/9/2019 The 2019 Inventor's Hall of fame International Competition of Ideas, Inventions & Innovations (i-Fame 2019) Universiti Teknologi Mara (UiTM) Kedah.
Project title: Modelling Urban Crime Pattern for Safer Communities using Geospatial Technology GOLD award
3. 25-29/9/2017 Innovation, Invention & Design Exposition, UiTM. Project title: SMARTTrackSys Ver 2: Smart RealTime Tracking System SILVER award

Services & Administration

1. Head of Centre of Studies for Surveying Science & Geomatics – 2018 - 2019
2. Programme Coordinator for MSc in GIS (AP720) – 2015 to 2017
3. Bursary for the National Geomatics Geoinformatics Student Innovation Competition 2015
4. Member of Jawatankuasa Kecil Akademik Pascasiswazah (JKAPS) – 2015 to 2017
5. Member of the Jawatankuasa Kecil Kurikulum Fakulti (JKKF), Faculty of Architecture Planning & Surveying- 2014 - present
6. Member of Academic Mission for Faculty of Architecture Planning & Surveying- 2013-2015
7. OBE Coordinator for Centre of Studies for Surveying Science & Geomatics – 2013-2015
8. Organising Committee of The 7th International Conference and Exhibition on Remote Sensing & GIS (IGRSM2014)
9. Technical Committee of The 8th International Symposium on Digital Earth 2013
10. Advisor for Geomatic Student Society (GEOMASS) - 2012
11. Co-web editor for Climate Change Research Group (CCRG), Royal Geographic Society (with IBG) (2009), UK.
12. Research Officer – GIS Unit in National Soil Erosion Centre (NASEC), UiTM, (1 Feb 2003 – 31 Dec 2006)
13. Chairman/Coordinator of Academic Mission, Department of Surveying Science & Geomatics, Faculty of Architecture Planning & Surveying, UiTM, (5 Sept 2005 – 1 Jan 2007)
14. Chairman/Coordinator of Sport, Department of Surveying Science & Geomatics, Faculty of Architecture Planning & Surveying, UiTM, (5 Sept 2005 – 1 Jan 2007)
15. Committee in Information Technology (IT) Committee, The Institution of Surveyors Malaysia (ISM), (2005 – 2006)

Work and Collaboration Experience (Position, Duration, Name of Organization, Main Job/Action)

1. Initiate MOU between UiTM and ITS Surabaya, Indonesia 2019
2. Initiate MOU between UiTM and NCKU, Taiwan, 2019

Awards & Recognitions

1. Anugerah Perkhidmatan Cemerlang 2013 and 2005
2. Skim Latihan Akademik IPTA (SLAI), Ministry of Higher Education, Malaysia 2007-2011

3. British Council, International Networking for Young Scientists 2006, Awarded travel and accommodation in Malaysia for networking workshop on "Imaging Techniques and GIS: Applications in Natural Resources Management"
4. Winning bronze medal in Malaysia Technology Expo (MTE) 2006 with research project entitled "3-D Portal"
5. Winning the "Potential research to be commercialised/applied by industry" in Conference on Social and Scientific (CSSR 2005), Terengganu, Malaysia
6. Young Lecturer Scheme scholarships, UiTM, Malaysia 2001-2002

Contribution to Society

1. Technical committee for National Geospatial Master Plan (NGMP)
2. Technical advisor for the "Promotion of Disaster Education in Schools in Malaysia" project from 2015 to 2016 by the Asia Disaster Reduction Center, Japan and Ministry of Education, Malaysia.
3. Technical advisor for the new programme of Faculty of Geospatial and Land Development, Geomatika University College (2013).

Other Activities

Workshop, short courses and training (Development Programme)

1. Introduction to GIS (Geostatistic) and Remote Sensing for Institute for Medical Research (IMR) (31 July - 4 August 2017)
2. GIS and Remote Sensing Course for Malaysian Armed Forces (31 October – 8 November 2016)
3. GIS and GPS short course for SPAD (2-4 September 2013)
4. "Course on GIS Topology and data cleaning". Forestry Department of Malaysia. (15-17 Mei 2012)
5. "GIS and Remote Sensing Course 2012". Centre of Surveying Science and Geomatics. UiTM. (3-7 September 2012)
6. "Course on Geographic Information System (GIS) – Level 1 & Level 2", Institut Tanah dan Ukur Negara. (22 May – 2 June 2006)
7. "Short Course on Geographic Information System (GIS) – Data Capture", Malaysia Centre of Geographic Data Infrastructure (MaCGDI). Session 1 (15-19 May 2006)
8. "Fundamental Course on Soil Rehabilitation Engineering", Malaysia Training Academy of Civil Defence, Series 1/2006 (6-10 February 2006) & Series 2/2006 (6-10 March 2006)
9. "Short Course on Geographic Information System (GIS) – Data Capture", Malaysia Centre of Geographic Data Infrastructure (MaCGDI). Session 1 (20-24 June 2005), Session 2 (18-22 July 2005) & Session 3 (15-19 August 2005)
10. "Remote Sensing Course 2005 (Module 1)", Malaysia Centre of Remote Sensing (MACRES). Module 1 (18 April – 14 May 2005)
11. "Fundamental Course on Soil Rehabilitation Engineering" National Soil Erosion Centre (NASEC). (9 – 11 May 2005)
12. "Short Course on Soil Rehabilitation Engineering", National Soil Erosion Centre (NASEC). (17 – 19 January 2005)
13. "Short Course on GIS – Data Collection" MaCGDI, Session 1 (19-23 July 2004) & Session 2 (9-13 August 2004)
14. "Remote Sensing Course (Module 1)", MACRES (24 May - 18 June 2004)
15. "Kursus Kenaikan Pangkat Secara Latihan (KPSL)", Jabatan Ukur & Pemetaan Malaysia (JUPEM), 4 June 2004
16. "Course on GIS and Remote Sensing (Module 1)", NASEC (21-25 June 2004)

17. "Remote Sensing Course (Module 1)", MACRES (13-8 November 2003)
18. "Course on GIS and Remote Sensing (Module 1), NASEC (11-15 August 2003)
19. "Course on GIS Data Capture", MaCGDI, (June 2003)