

PERSONAL INFORMATION

**ASSOC. PROF. DR. -ING.MASRIA MUSTAFA**

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🌐 Website <https://cemasria.wixsite.com/masriamustafa>

Gender Female | Date of birth 26/10/1981 | Nationality Malaysian

WORK EXPERIENCE

(May 2011- Current) Lecturer, Faculty of Civil Engineering, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia

Courses taught:

- Highway and Traffic Engineering (Undergraduate)
- Traffic Impact Assessment (Undergraduate)
- Public Transport and Intelligent Transport System (Post Graduate)
- Urban Traffic Management (Post Graduate/ Undergraduate)
- Urban Transportation Planning (Post Graduate)

(4 August 2014 -10 October 2014) Traffic Engineer, Department of Planning, Transport and Infrastructure (DPTI), South Australia Government, Adelaide, Australia. (Sponsored by Dept. of Foreign Affairs Australia)

- Involved in extracting data from Bluetooth Technology for travel time and speed information.
- Modelling traffic in SIDRA and AIMSUN Software
- Managing the delivery of planning investigations (incl traffic modelling), traffic impact assessment and traffic control services.

EDUCATION

(2006-2010) Ph.D. (Dr.-Ing.) in Civil Engineering, Technische Universität München, Germany

(2004-2006) Thesis title: Driver Behaviours on Different Types of Traffic Information

(2000-2004) Master of Engineering (Transportation), Chulalongkorn University, Thailand

B. Sc. Civil Engineering (Hons), Universiti Sains Malaysia, Malaysia

(March – August 2003) Participant, Student Exchange program, University of South Australia, Adelaide, Australia

Professional Affiliation

Board of Engineer Malaysia (Membership Number: 84803A)

Institute Engineer Malaysia (IEM) (Membership Number: 72576)

Membership of Societies

Malaysian Representative, Women in Transportation Leadership Network (WiTL)

Member of Intelligent Transport System Association of Malaysia (Since 2012)

Member of the Association of Malaysian Environment-Behaviour Researchers (AMER) (Since April 2015)

Member of the Eastern Asia Society for Transportation Studies, Japan. (Since 2013 – present)

Vice President of the Transportation Science Society of Malaysia (TSSM) (Since 2014 – present)

Co-Chair, Australasian College of Road Safety (ACRS) International Outreach Chapter (IOC) (Since 2021-present)

PERSONAL SKILLS

Mother tongue(s) Malay

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Advanced user	Advanced user	Advanced user	Advanced user	Advanced user
German	Basic user	Proficient user	Basic user	Basic user	Basic user
Thai	Basic user	None	Basic user	Basic user	None

Administrative Position Held

1. **Head**, International Student Development, Department of International Affairs, Universiti Teknologi MARA,UiTM, 1/08/2019 – 31/7/2023
2. **Coordinator**, ASEAN European Academic University Network (ASEA-UNINET), Universiti Teknologi MARA,UiTM, 1/09/2017 – current
3. **Coordinator**, Industry, Community, Alumni and Entrepreneurship Network(ICAEN), the Faculty of Civil Engineering, UiTM Shah Alam, 1/07/2015 – 31/7/2019
4. **Liaison Officer**, Office of International Affairs, Universiti Teknologi MARA, 2015 – 31/7/2019
5. **Coordinator**, UCTC, Universiti Teknologi MARA,UiTM, 15/10/2015 – 15/10/2017

Other Contribution

1. **Cabinet Committee**, Committee on Traffic Congestion, Ministry of Transport, Malaysia
2. **Chairwoman**, 15th International Conference of Eastern Asia Society for Transportation Studies (EASTS), 4-7 September, 2023, MBSA Convention Centre, Shah Alam, Selangor, Malaysia
3. **Chairwoman**, Future Sustainable Urban Mobility: Paving the Way to Inclusive Mobility, 29 November 2018, Universiti Teknologi MARA, Malaysia
4. **Chairwoman**, Malaysian University Transport Research Forum Conference (MUTRFC 2017) in conjunction with 4th Asian-German Knowledge Network (AGKN) on Tour, 10-12 November 2017, Universiti Teknologi MARA, Malaysia
5. **Chairwoman**, Integrated and Informed Modeling: Workshop and Discussion, 19 July 2016, Universiti Teknologi MARA, Malaysia
6. **Chairwoman**, Malaysian University Transport Research Forum Conference 2015, 24-25 November 2015, Universiti Teknologi MARA, Malaysia

Postgraduate supervision/co-supervision**PhD**

1. **Zanariah Abdul Rahman** (Main supervisor) "Microscopic Model of Rail Transit Pedestrian Flows" Registered: 2012- ongoing
2. **Wardati binti Hashim** (Co-supervisor) "Modelling of Heavy Vehicle Loading Factor Based on Automated Weigh –in-Motion System, Registered: 2011 - Completed
3. **Hasmi Mokhlis** (Co-supervisor) "Assessing Walkability Impact on Rail Transport Ridership in Kuala Lumpur Conurbation; Registered: Nov. 2010 - ongoing

Master

1. **Mohd Khairul Afzan Md Lazi** (Main supervisor) "Pedestrian Behavior at Stairs : A Case Study of Public Transport Station" Registered: 2013 - Graduated
2. **Noor Iza binti Bahari** (Co-supervisor), "Pedestrian Profile and Adequacy of Pedestrian Facilities in Kuala Lumpur" Registered: 2011- ongoing
3. **Nurul Iman bt Rahim** (Main Supervisor), "Work Zone Traffic Analysis: A Case Study of Proposed MRT Project"- Graduated
4. **Nur 'Adilla Kaman** (Main Supervisor) "Route Choice between Stairs and Escalator: A Case Study of Public Transport Station" - Graduated
5. **Mohd Siddiq Farouq** (Main Supervisor) "Understanding Pedestrian Behaviour at Rail Transit Station Ticketing Gate"- Graduated

Research Intern (Sponsorship by German Academic Exchange Service (DAAD))

1. **Sarah Sophie Lafaire** from Leuphana Universität Luneburg, Germany, "Mapping The First Mile and Last Mile Connectivity for Public Transportation Network", 27 June - 22 Aug 2016
2. Anna Eikenberg from Technische Universität Dortmund, " Star Rating for Schools (SR4S), 1 August 2022-30 October 2022

Research Intern (Sponsorship by University of South Australia and DFAT Australia)

1. **Benjamin Sufo** from University of South Australia, "Sustainable Transport Index (SUTI)", 1 August 2022-30 October 2022

1. Good command of Aimsun, Simwalk, Vissim 5.0, Paramics V5, Corsim, Sidra, Highway Capacity Software, (HCS), Synchro
2. Good command of Microsoft Office (Word, Excel, Power Point, Access)
3. Basic command of ArcGIS 9.0, Visual Basic 6.0, Visio Technical, SPSS

Honours and awards

1. **Anugerah Ahli Akademik Harapan (AAU)**, Universiti Teknologi MARA 2021
2. **ASEA UNINET Traveling Award 2018**, Smart Transportation Mobility: State of Art in Asean and Austria (Phase 1), Project Partner: Univ.-Prof. Dr. Günter Emberger, Technical University of Vienna, Austria, Sum: Euro 4600
3. **ASEA UNINET Traveling Award 2018**, Smart Transportation Mobility: State of Art in Asean and Austria (Phase 2), Project Partner: Univ.-Prof. Dr. Günter Emberger, Technical University of Vienna, Austria, Sum: Euro 5050
4. **ASEA UNINET Traveling Award 2018**, Empowering Location-Based Services in Transportation: State of Art in Malaysia and Austria, Project Partner: Univ.Prof. Mag.rer.nat. Dr.rer.nat Georg Gartner, Technical University of Vienna, Austria, Sum: Euro 5000
5. **Australia- Malaysia Focus ASEA UNINET to Austria Travel Award**, 2017
6. **Australia-ASEAN Council (AAC) Grant: Women in Transport Leadership (WiTL): Creating Knowledge Partnerships in Australasia (2016–2017).**
7. **Australia-Malaysia Scholarships Towards 2020: Executive Award (Department of Foreign Affairs Australia)- Work Placement with Department of Planning, Transportation and Infrastructure South Australia, Adelaide, Australia**
8. **Excellent Service Award**, Universiti Teknologi MARA 2014
9. **Young Lecturer Scheme Scholarship** for PhD of Ministry of Higher Education Malaysia (MOHE) 2006
10. **AUN/SEED-Net (JICA) Master Degree Scholarship** 2004

Innovation
Competition and IP

1. **Silver Medal**, Lemongrass and Pandan Leaves- Utilization of Pandan Leaves to Reduce Driver Fatigue Effect, Invention, Innovation & Design Exposition (IIDEX 2018), 24 – 28 Sept 2017, Universiti Teknologi MARA
2. **Silver Medal**, Lemongrass and Pandan Leaves- Potential Agents in Reducing Driver Fatigue, Invention, International Invention, Innovation & Technology Exhibition (ITEX 2018) , 10-12 Mei 2018, Kuala Lumpur Convention Centre (KLCC)
3. **Gold Medal**, Lemongrass and Pandan Leaves- Potential Agents in Reducing Driver Fatigue, Invention, Innovation & Design Exposition (IIDEX 2017), 25 – 29 Sept 2017, Universiti Teknologi MARA
4. Pandan Leaves- Potential Agents in Reducing Driver Fatigue, IP Number LY2017003546

Sponsorship

1. National Capacity Building Workshop on Planning for Resilient and Inclusive Public Transport System in Ulaanbaatar, 7-12 September 2022 (Sponsored by United Nation ESCAP)
2. Symposium on Mobility on Demand in Southeast Asia, 8-10 July 2022 (sponsored by Kajima Foundation, Japan)
3. RCCE and SDG 2021 (Regional Conference In Civil Engineering And Sustainable Development Goals In Higher Education Institutions 2020, UTM Skudai (sponsored by AUN/SEED-NET)
4. International Summer School "Urban Strangulation: Constricted Cities in Rapid Private Urban Development", 2-5 September 2019, Jakarta, Indonesia (Sponsored by Alexander von Humboldt Foundation, Germany)
5. Eastern Asia Society for Transportation Studies (EASTS) International Conference, 9-12 September, Colombo, Sri Lanka (Sponsored by Eastern Asia Society of Transportation (EASTS)
6. 1st Research Alumni Conference "Living and Mobility in Smart Cities", 28-29 August 2017, TUM CREATE, Technical University of Munich Asia, Singapore (Sponsored by Alexander von Humboldt Foundation, Germany)
7. Eastern Asia Society for Transportation Studies International Conference 2015, 11-14 September 2015, Cebu Philippines. (Sponsored by Eastern Asia Society of Transportation (EASTS)
8. DIES National Multiplication trainings (NMT) in Higher Education Management in Malaysia 2014 (Sponsored by German Academic Exchange Service, DAAD)
9. 6th ASEAN Civil Engineering Conference (ACEC), 21-22 November 2013, Bangkok, Thailand (Sponsored by AUN/SEED-Net-JICA, Japan)
10. Regional Training Workshop on Sustainability Mobility Planning in Asian Cities (Sponsored by Islamic Development Bank (IsDB), Kuala Lumpur Regional Training Centre (KLRTC) and Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany (partly sponsored by Intelligent Transport System (ITS) Association of Malaysia)
11. Australian Institute of Traffic Planning and Management (AITPM) National Conference, 13-15 August 2014, Adelaide, Australia. (Sponsored by Department of Foreign Affairs Australia)
12. Intelligent Transportation System World Congress, 14-18 October 2013, Tokyo, Japan

Student Related
Programs

1. Faculty Coordinator, Nagaoka Summer School for Young Engineers, Nagaoka University of Technology, Japan, 20 August 2018 – 31 August 2018
2. Faculty Coordinator, MSU- Global Citizenship Camp (GCC 2018), Mahasarakham University, Thailand, 21 August 2018 – 27 August 2018
3. Faculty Coordinator, The 4th ASEAN Synchrotron Science Camp, Synchrotron Light Research Institute (Public Organization), Nakhon Ratchasima, Thailand, 10th -14th November 2015.
4. Faculty Coordinator, 2016-2017 Global Undergraduate Exchange Program, Minnesota State University, Mankato, USA, 15 August – 20 December 2016

5. Faculty Coordinator, 1MET Bootcamp, Kuala Lumpur, 16-17 April 2016
6. Faculty Coordinator, JA ExxonMobil Business Ethics Bootcamp, Kuala Lumpur, 7-8 Oktober 2016
7. Faculty Coordinator, 1 Asean Entrepreneurship Summit, Kuala Lumpur, 16-22 November 2015
8. Student Buddy (in charge for international students), Universiti Sains Malaysia, 2003 -2004.

Training

1. DIES National Multiplication trainings (NMT) in Higher Education Management in Malaysia 2013-2014
2. B-Pro Industry Engagement Training (B-Pine), 2015, Universiti Teknologi MARA, Malaysia
3. Building Information Modelling (BIM) Awareness Course for Modeller and Coordinator, 13-16 Feb 2017, 15 March 2017, Universiti Teknologi MARA, Malaysia

Special Training at World Urban Forum 9, Kuala Lumpur, Malaysia

1. *Clean Air, Healthy Citizens and Equal Societies: Making The Case for Ambitious, Inclusive, Climate Action in Cities* hosted by C40 Cities Climate Leadership Group. The event was launched for exciting and innovative efforts to unlock accelerated and transformative city action on climate change and a range of wider SDG's, by establishing a global evidence base on the wider (co)benefits of action.
2. *Shaping Urban Mobility – An Integrated Approach by The TUMI Initiative hosted by Slocat* - The objective of this training is to develop concrete sustainable urban mobility implementation strategies that help delivering on the SDGs, the Paris Agreement and the New Urban Agenda.
3. *Innovative Clean Transport Business Models: Training for Public Officials* hosted by World Resources Institute - The training provides a hands-on to international examples of cities transitioning their fleets to electric vehicles, and help them address some of the hurdles they may face bringing about this transition in their own city.

Seminars/Conference/Workshop

1. **Panellist**, BFM Podcast : Podcast Would You Fix Potholes Yourself?, BFM Radio, 15 January 2024
2. **Panellist**, BFM Podcast : Why Bad Driving Habits Are So Hard To Break, BFM Radio, 25 September 2023
3. **Guest Speaker**, National Capacity Building Workshop on Planning for Resilient and Inclusive Public Transport System in Ulaanbaatar, 7-12 September 2022, Ulaanbaatar, Mongolia (Sponsored by UNESCAP)
4. **Panellist**, BFM Podcast : Are Our Highways Crazy, Or Are We?, BFM Radio, 21 September 2023
5. **Panellist**, Wacana English Edition "Rethinking Malaysia's Transport Systems, Thursday June 30 2022 at 8.30pm , www.sinardaily.my
6. **Paper presenter**, Eastern Asia Society for Transportation Studies (EASTS) International Conference, 12-15 September, Hiroshima, Japan (online) (Sponsored by Eastern Asia Society of Transportation (EASTS))
7. **Paper presenter**, RCCE and SDG 2021 (Regional Conference In Civil Engineering And Sustainable Development Goals In Higher Education Institutions 2020, UTM Skudai
8. **Participant**, #Shellselamatsampai Human Centred Design Consultation on Road Safety, 20 January 2020, Kuala Lumpur, Malaysia
9. **Paper Presenter**, ASEAN Emerging Researchers Conference, 9-10 December 2019, Sunway University, Selangor, Malaysia
10. **Participant**, 13th Annual Review Meeting of the Asian International Mobility for Students (AIMS) Programme, 11-13 November 2019, Bangkok, Thailand
11. **Paper presenter**, Eastern Asia Society for Transportation Studies (EASTS) International Conference, 9-12 September, Colombo, Sri Lanka (Sponsored by Eastern Asia Society of Transportation (EASTS))
12. **Participants**, International Summer School "Urban Strangulation: Constricted Cities in Rapid Private Urban Development", 2-5 September 2019, Jakarta, Indonesia (Sponsored by Alexander von Humboldt Foundation, Germany)
13. **Invited Speaker**, Vision Zero Conference 2019, 9 - 10 July 2019, Putrajaya, Malaysia
14. **Visiting Lecturer**, Institute of Transportation, Research Center for Transport Planning and Traffic Engineering, 23 February – 10 March 2019, Vienna University of Technology, Austria,
15. **Visiting Lecturer**, Department of Civil and Environmental Engineering Faculty of Engineering, Universitas Gadjah Mada, Indonesia,
16. **Guest Mentor**, First EASTS PhD and Early Career Researcher Accelerator Forum, 17 September 2017, Sheraton Hotel and Towers, Ho Chi Minh City, Vietnam.
17. **Team Advisor**, Shell Selamat Sampai Varsity Challenge, Completed at First Runner Up, 13 September 2017, Shell HQ, Miri Sarawak
18. **Participant**, 1st Research Alumni Conference "Living and Mobility In Smart Cities", 28-29 August 2017, TUM CREATE, Technical University of Munich Asia, Singapore
19. **Paper Presenter, Poster Presentation Judges**, Eastern Asia Society for Transportation Studies (EASTS) International Conference, 18-21 September 2017, Ho Chi Minh City, Vietnam.
20. **Panellist**, First Women in Transportation Leadership Knowledge Network Workshop Meeting, 10-13 March 2017, Manila, Philippines
21. **Paper Presenter**, 6th Brunei International Conference on Engineering and Technology, 14- 16 November 2016 Bandar Seri Begawan, Brunei
22. **Participant**, ICT Bio Asia 2016, 30-31 May 2016, Kuala Lumpur, Malaysia
23. **Organizing Committee**, 1 Day Seminar on Bituminous Pavement Preservation 2016 (SBPP 2016), 23 March 2016, Shah Alam, Malaysia
24. **Participant**, Regional Training Workshop on Sustainability Mobility Planning in Asian Cities 26-28 November 2015, Kuala Lumpur, Malaysia

25. **Paper Presenter**, Eastern Asia Society for Transportation Studies (EASTS) International Conference, 11-14 September 2015, Cebu Philippines.
26. **Judge**, Research Innovation Symposium and Exposition 2015 (RISE 2015), 15-16 November 2015, Shah Alam, Malaysia.
27. **Paper Presenter**, The 3rd AMER International Conference on Quality of Life (AicQol 2015) Conference, 25 -27 April, Jakarta, Indonesia
28. **Paper Presenter**, 5th Brunei International Conference on Engineering and Technology (BICET2014), 1-3 November 2014, Brunei.
29. **Participant**, Australian Institute of Traffic Planning and Management (AITPM) National Conference, 13-15 August 2014, Adelaide, Australia.
30. **Participant**, A Seminar on the Application of Geographical Information System (GIS) for Civil Engineers in Solving Problem which related to Spatial Data, 11-12 February 2014, Shah Alam, Malaysia.
31. **Paper Presenter**, Intelligent Transportation System World Congress, 14-18 October 2013, Tokyo, Japan.
32. **Paper Presenter**, The 6th ASEAN Civil Engineering Conference (ACEC), 21-22 November 2013, Bangkok, Thailand.
33. **Participant**, National Conference on Entrepreneurship, 12-13 November 2013, Blue Wave Hotel, Shah Alam, Selangor, Malaysia.
34. **Participant**, 2 Day Workshop on Developing and Effective Outcome Based Assessment Plan to Enhance Student Learning, 30 September- 1 October 2013, Selangor, Malaysia
35. **Paper Presenter**, International Civil and Infrastructure Engineering Conference (InCIEC2013), 22-24 September 2013, Sarawak, Malaysia.
36. **Participant**, One Day Seminar on Environmentally Sustainable Transportation System, 14 September 2013, Wisma IEM, Petaling Jaya, Malaysia.
37. **Participant**, University Graduate Employability Engagement Taskforce (UGET), 28 Mei 2013, Shah Alam, Malaysia
38. **Organizing Committee**, Malaysia- Japan Civil & Environmental Engineering Symposium 2013, 19 March 2013, Shah Alam, Malaysia
39. **Participant**, The Application of Signalized and Unsignalized Intersection Design and Research Aid (SIDRA) for Traffic Analysis Workshop, 6 February 2013, Shah Alam, Malaysia.
40. **Organizing Committee**, National Postgraduate Seminar 2012, 16-16 July 2012, Shah Alam, Malaysia
34. **Participant**, Seminar on Guidelines on Traffic Control and Management Devices: Part 3B and 3C, 27 June 2012, Kuala Lumpur, Malaysia.
35. **Participant**, 12th Asia Pacific ITS (Intelligent Transport System) Forum & Exhibition, 16 – 18 April 2012, Kuala Lumpur Malaysia.
36. **Participant**, Executive Talk: OBE in Scholarship of Learning and Teaching, 20 October 2011, Malacca, Malaysia.
37. **Paper Presenter**, 16th World Congress on Intelligent Transport System, 21 -25 September 2009, Stockholm, Sweden.
38. **Paper Presenter**, 5th International Symposium on LBS & TeleCartography; Salzburg, Austria; 26 November 2008.
39. **Paper Presenter**, 15th World Congress on Intelligent Transport System, 16 -20 November 2008, New York, USA.
40. **Paper Presenter** Eastern Asia Society for Transportation Studies (EASTS) International Conference, 24-27 September 2007, Dalian, China

Society contributions

1. SOCSO - Committee for Road Safety Awareness Campaign with Community and Local Authorities (2019)
2. Construction Industry Development Board (CIDB) - Panel for developing Standards National Occupational Skills Standard (NOSS) targeted at the training and accreditation of construction workers (2012)
3. Program Inisiatif Libat Sama (PILS) / Initiative Involvement Program with Ministry of Education Malaysia for problematic school in Malaysia (2014-2016)
4. Malaysian Matriculation Programme, Malaysian Education Ministry – Vetter for exam questions (2011-2013)
5. National Traffic Volume Counting Program with Malacca Public Works Department – Team Advisor for seven Civil Engineering students (28-29 September 2017)

Research projects

1. Shah Alam Sustainable Urban Transport Index, UNESCAP, 2022
2. The Gender and Transport Assemblage of Learning And Knowledge (GTALK), The Australian Academy of Science and the Department of Industry, Science, Energy And Resources (Diser) 2021
3. The Application of Mobile Technology for Enhancing Mobility and Improving Quality of Life in Aging Society, Chulalongkorn University, Thailand, 2021
4. Fundamental Research Grant Scheme (FRGS), The Effect of Train Timetabling On Passenger Flows at Underground Train Station
5. Ministry of Energy, Science, Technology, Environment and Climate Change (MESTECC) through Malaysian Green Technology Corporation Research Project, Low Carbon Mobility Blueprint for Malaysia (Ongoing)

6. Fundamental Research Grant Scheme (FRGS), Influence of Pedestrian and Station Characteristics on Rail Station Emergency Evacuation Process (Ongoing)
7. Research Acculturation Grant Scheme (RAGS), Pedestrian Flow Characteristic Model at Malaysian Rail Transit Terminal (Completed)
8. Fundamental Research Grant Scheme (FRGS), Walkability Attributes of Rail Service Ridership Within the Kuala Lumpur Conurbation (Completed)
9. E-Science Grant, Sustainable Facilities - Pedestrian Behaviour Model (Completed)
10. Exploration Research Grant Scheme (ERGS), An Exploration of Driving Simulator towards Malaysian Driver Behaviour (Completed)
11. Fundamental Research Grant Scheme (FRGS), Heavy vehicle Ergonomics Safety Model (Completed)
12. Internal Grant of UiTM, Visual Analysis of Pedestrian Movement: using Tracking Technologies in Shopping Mall (Completed)
13. Modelling The Impacts of Ridesharing Services on Travel Behaviour and Transportation Network (IIUM-UIMP-UiTM Grant) -2021/2022
14. Mapping Course Sustainability for Internationalizing Curriculum in Higher Education Malaysia Network (IIUM-UIMP-UiTM Grant) -2021/2022
15. Smart Transportation Mobility: State of Art in Asean and Austria: Phase 3 – ASEA UNINET Grant

Consultancy project

1. SPRM and KL City Hall, OPS BLACK (WPK/MNO/0027/2016), 30 September 2016
2. Social Security Organisation (PERKESO), Vision Zero Community program Bangi, Selangor, 2019-2020
3. Social Security Organisation (PERKESO), Vision Zero Community program Rembau, Negeri Sembilan, 2019-2020
4. Social Security Organisation (PERKESO), Profiling Road Accident 2018, 2019-2020
5. Social Security Organisation (PERKESO), Traffic Safety Kits For Kids: Kid's Safe Traffic Campaign 2021
6. Social Security Organisation (PERKESO), Work Related Road Safety (WRRS) Coaching Program: Towards A Proper Fleet Management Practices, 2022
7. Social Security Organisation (PERKESO), Vision Zero Community program Selangor, (2022)
8. Petaling Jaya City Hall, Safe Roads Safe Kids 2022-2023
9. Social Security Organisation (PERKESO), Work Related Road Safety (WRRS) Coaching Program: Towards A Proper Fleet Management Practices: Phase 2 2023
10. Social Security Organisation (PERKESO), Vision Zero Community program, 2023

Publications

1. **Mustafa, M.**, Noor, N.A.M. (2022). Evaluating the Impact of Junction Type on Emissions Level. In: Belayutham, S., Che Ibrahim, C.K.I., Alisibramulisi, A., Mansor, H., Billah, M. (eds) Proceedings of the 5th International Conference on Sustainable Civil Engineering Structures and Construction Materials. Lecture Notes in Civil Engineering, vol 215. Springer, Singapore
2. **Mustafa.M**, Abd. Rahman,Z, Kamaluddin, N.A and Shibayama.(2021), Exploring The Impact of Covid-19 on Grocery Shopping Behaviour : A Multi-Country Comparison, the 15th Eastern Asia Society for Transportation Studies (EASTS) International Conference, 10-11 September 2021, Hiroshima, Japan
3. **Mustafa.M**, Shibayama., Kamaluddin, N.A and Abd. Rahman,Z, (2021), Mobility Analysis in ASEAN Countries: Evidence from Google and Apple Mobility Data, HAA - International Conference on Urbanization in South East Asia, 20-22 September, Jakarta, Indonesia.
4. **Mustafa.M**, Abd. Rahman,Z, Kamaluddin, N.A and Shibayama.(2021), Covid 19 and its Impact on Malaysian Women Travel Behaviour, Regional Conference in Civil Engineering & Sustainable Development Goals in Higher Education Institutions 2021 (RCCE & SDGs 2021), 23-24 January 2021, Kuala Lumpur, Malaysia
5. **Mustafa.M**, Abd. Rahman, Shibayama.T, Laa.B, Emberger.G., National Transport Policy in Malaysia – from the Time of Independence until Today, the 14th Eastern Asia Society for Transportation Studies (EASTS) International Conference, 9-12 September, Colombo, Sri Lanka
6. **Mustafa.M**, Ja'afar, M.S, Azmi.E.A, and Ibrahim, A, Commuting Accidents in Malaysia: The Trend and Intervention Status, ASEAN Emerging Researchers Conference, 9-10 December 2019, Sunway University, Selangor, Malaysia
7. **Mustafa.M**, Kaman, N.A and Abd. Rahman.Z Rail Passenger Choice Behaviour for Vertical Facility: A Case Study in Kuala Lumpur, 5th Asia International Conference (AIC2019), 6-8 December 2019, Kuala Lumpur, Malaysia
8. **Mustafa.M**, Saiful Azhar A.A.,N and Siran, R., Olfactory Stimulation Impact on Driver Behavior: Driving Simulator Approach, Journal of The Eastern Asia Society for Transportation Studies (EASTS), Vol. 12, 2017, Pp. 1830-1843
9. **Mustafa.M**, Saiful Azhar A.A.,N and Siran, R., Olfactory Stimulation Impact on Driver Behavior: Driving Simulator Approach, The 13th Eastern Asia Society for Transportation Studies (EASTS) International Conference, 18-21 September 2017, Ho Chi Minh City, Vietnam.
10. **Mustafa.M**, Rustam,N and Siran, R., Fragrance Impact on Driving Performance, Asian Journal of Quality of Life Vol 2, No 5 (2017).
11. Hashim.W, Arshad, A.K., **Mustafa.M**, Kamaluddin, N.A. (2016), Heavy Vehicles Speed Profiling On Urban Expressway: The Case of Federal Highway, Jurnal Teknologi
12. **Mustafa.M**, Aziz.N and Mohamad. A.I (2016), Speed Humps Effectiveness: What Do We Know?, Brunei International Conference on Engineering And Technology, 14- 16 November 2016 Bandar Seri Begawan, Brunei
13. **Mustafa.M**, Rustam,N And Siran, R, (2016), The Impact Of Vehicle Fragrance On Driving Performance: What Do We Know? Procedia - Social and Behavioral Sciences, Vol 222, June 2016, Pp. 807–815
14. Hamid, N, Abdul Mokhlas, H, Leong, T, **Mustafa.M** and Sham, R. (2016), Towards Predicting the Walkability of Pedestrian Rail Commuters in Kuala.Lumpur Conurbation, International Journal of Humanities, Arts and Social Sciences, Vol (1), pp. 48-61

15. Mohd Lazi, M.K.A and **Mustafa.M**, (2015), Assessing Pedestrian Behaviour and Walking Speed at Staircase: A Review, International Civil and Infrastructure Engineering Conference (InCIEC), 22 to 23 September 2015, Shah Alam, Selangor, Malaysia.
16. Mohd Lazi, M.K.A and **Mustafa.M**, (2015), Pedestrian Choices Between Escalator and Staircase at Rail Transit Terminal, Malaysia University Transport Research Forum Conference, 24-25 November 2015, Shah Alam, Selangor, Malaysia.
17. **Mustafa.M**, Md. Noor, M.S.F and Mohamad,A.I (2015), Understanding Pedestrian Movement at Rail Transit Station Ticketing Gate, The 12th Eastern Asia Society for Transportation Studies (EASTS) International Conference, 11-14 September, Cebu, Philippines
18. **Mustafa.M**, Rustam,N and Siran, R (2015), The Impact of Vehicle Fragrance on Driving Performance: What do we know? The 3rd AMER International Conference on Quality of Life (AicQoL 2015) Conference, 25 -27 April, Jakarta, Indonesia
19. Hamid, N, Abdul Mokhlas, H, Leong, T, **Mustafa.M** and Sham, R. (2015) Towards Predicting the Walkability of Pedestrian Rail Commuters in Kuala.Lumpur Conurbation, 2nd International Conference on Global Trends in Academic Research, April 20-21,Bandung, Indonesia.
20. Hashim,W, Arshad, A.K., **Mustafa.M**, Kamaluddin, N.A. (2015), Time Gap Evaluation due to the Existence of Heavy Vehicles on Urban Expressway, Applied Mechanics and Materials, Trans Tech Publication, 802(0) Special 2014, pp.375-380.
21. **Mustafa.M**, Ashaari.Y. (2014), Assessing Pedestrian Behavioral Pattern at Rail Transit Terminal, International Civil and Infrastructure Engineering Conference (InCIEC), 29 September -1 October 2014, International Civil and Infrastructure Engineering Conference, Kota Kinabalu, Sabah, Malaysia
22. Mohd Lazi, M.K.A and **Mustafa.M**, (2014), A Study on Pedestrian Behaviour At Stairways and Escalator, International Civil and Infrastructure Engineering Conference (InCIEC), 29 September -1October 2014, International Civil and Infrastructure Engineering Conference, Kota Kinabalu, Sabah, Malaysia
23. **Mustafa.M** and Ashaari.Y. (2014), Evaluating Pedestrian Crossing Speed Distribution: A Case Study of Shah Alam, IET Brunei International Conference on Engineering and Technology, 1-3 November, Brunei.
24. Abd. Rahman.Z, **Mustafa.M**, Ashaari. Y and Mohd Sadullah. A.F. (2014), Modelling Pedestrian Behavior in Rail Transit Terminal, International Conference Civil, Offshore and Environmental Engineering, 3-5 June 2014, Kuala Lumpur, Malaysia.
25. Hashim,W, Arshad, A.K., **Mustafa.M**, Kamaluddin, N.A. (2014), Heavy Vehicles Car Interaction Behavior for Urban Expressways, Australian Journal of Basic and Applied Sciences, 8(5) Special 2014, pp.484-491.
26. **Mustafa.M**, Abd. Rahman.Z and Bachok. S. (2013), Agent Based Simulation for Pedestrian Movement during Panic Situation, World Congress on Intelligent Transport System Conference proceedings, 14-18 October 2013, Tokyo, Japan.
27. **Mustafa.M**, Abd. Rahman.Z, Najid. M.N.F and Ashaari.Y. (2013), Pedestrian Egress Behavior During Classroom Evacuation: A Simulation Approach, International Civil and Infrastructure Engineering Conference (InCIEC), 21-25 September 2013, Kuching, Sarawak
28. **Mustafa.M**, Abd. Rahman.Z, Yahya. Z and Meng.L (2013), Visual Analysis of Pedestrian Movement during Building Evacuation, The 8th International Symposium on Digital Earth(ISDE), 26-29 August 2013, Kuching, Sarawak.
29. **Mustafa, M.**, Narupiti S. and Siran.R (2013). Mind the Behavior: Using Mobile Phone While Driving, The 6th ACEC and AEEC Conferences (AUN/SEED-Net RC CE & RC EnvE 2013), 21-22 November, 2013, Bangkok, Thailand.
30. Ab. Karim, S. N, **Mustafa.M**, Passenger Travel Profiles through Origin-Destination (OD)Surveys for Malayan Railways Limited (2013) , Eastern Asia Society for Transportation Studies (EASTS) Conference, 9-12 September, 2013, Taipei, Taiwan.
31. Hashim, W., Arshad. A.K, **Mustafa.M**, Kamaluddin. N.A, Empirical Study of Heavy Vehicles and Cars Interaction Using Video Based Traffic Analyzer for Malaysian Urban Expressways (2013), International Conference on Business, Engineering and Industrial Applications (ISBEIA2013), 21-25 September 2013, Kuching, Sarawak
32. Krisp J.M., Peters S., **Mustafa M.** (2011), Application of an Adaptive and Directed KernelDensity Estimation (AD-KDE) for the Visual Analysis of Traffic Data, Geoviz 'Linking Geovisualization with Spatial Analysis and Modeling, 10-11 March, Hamburg.
33. Zhang, M., **Mustafa, M.**, Schimandl, F., Meng, L. (2009), A Grid-Based Spatial Index for Matching between Moving Vehicles and Road-Network in a Real-time Environment, Proceedings on the 24th International Cartographic Conference (ICC), 15-21 November 2009, Santiago.
34. **Mustafa, M.**, Zhang, M. & Meng, L. (2009), Investigation of Driver Reaction on Different Types of Traffic Information Visualization, Proceedings of 16th World Congress on Intelligent Transport System, 21 -25 September 2009, Stockholm.
35. Schimandl, F., Zhang, M., **Mustafa, M.**, Meng, L. (2009), Real Time Application for Traffic State Estimation Based on Large Sets of Floating Car Data, Proceedings of Mobil.TUM 2009 -International Scientific Conference on Mobility and Transport, 12-13 May 2009, Munich.
36. **Mustafa, M.**, Zhang, M. & Meng, L. (2008), Congestion Visualization Based on Probe Vehicle Data. Location Based Services and TeleCartography II - From Sensor Fusion to Context Models, Lecture Notes in Geoinformation and Cartography, Springer Book, pp. 47-61.
37. **Mustafa, M.**, Narupiti, S. & Meng, L. (2008), Performance of Probe Vehicle for Travel Time estimation: A Simulation Approach, Proceedings of 15th World Congress on Intelligent Transport System, 16 -20 November 2008, New York.
38. Narupiti, S. and **Mustafa, M.** (2007), Quality of Travel Time Estimation from Probe Vehicles: A Simulation Study, Journal of the Eastern Asia Society for Transportation Studies, Vol. 7, p.2517-2532.