

CURCULUM VITAE



A. PERSONAL DETAILS

1. Name : **ASSOC. PROF. DR. -ING.MASRIA MUSTAFA**
2. Date of Birth : 26-10-1981
3. Gender : Female
4. Office Address : Faculty of Civil Engineering, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia
5. Tel: : (6) 03-55436480 (office)
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B. BRIEF PERSONAL HISTORY

Dr. -Ing. Masria Mustafa is presently an Associate Professor at Universiti Teknologi MARA. Her main areas of expertise are: Traffic Simulation and Modeling, Traffic Operation and Control, Driver Behavior, Intelligent Transport System (ITS) and Advancement of Women in Transportation. She completed her undergraduate degree at Universiti Sains Malaysia in 2004. During her fourth year, she had the opportunity to

participate in an exchange program to University of South Australia, Australia. She pursued her Master Degree in Transportation and Traffic Engineering at Chulalongkorn University and her PhD at Technical University of Munich, Germany. She is currently the head of Transportation Systems, Infrastructure & Intelligent Transport (TransSIIT) RIG. The highlight of her career was when she successfully won the Australia-Malaysia 'Towards 2020' Executive Award which enable her to undertake a 10-week award placement with the Department of Planning, Transport, and Infrastructure (DPTI), South Australia Government. She is also fluent in English and speak basic Thai and German.

C. ACADEMIC QUALIFICATION

No.	Name of Institution	Degree/Qualification	Date awarded
1.	Technische Universität München, Germany	Ph.D. (Dr.-Ing.) in Civil Engineering, Thesis title: Driver Behaviours on Different Types of Traffic Information	2006-2010
2.	Chulalongkorn University, Thailand	Master of Engineering (Transportation),	2004-2006
3.	Universiti Sains Malaysia, Malaysia	B. Sc. Civil Engineering (Hons)	2000-2004

D. WORKING EXPERIENCE

1.	May 2011- Current	Associate Prof., Faculty of Civil Engineering, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia Courses taught: <ul style="list-style-type: none"> ○ 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)
2.	(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

		<p>Australia)</p> <ul style="list-style-type: none"> ○ 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.
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E. PROFESSIONAL QUALIFICATIONS

1. Board of Engineer Malaysia (Membership Number: 84803A)
2. Institute Engineer Malaysia (IEM) (Membership Number: 72576)

F. MEMBERSHIP OF SOCIETIES

1. Malaysian Representative, Women in Transportation Leadership Network (WiTL)
2. Member of Intelligent Transport System Association of Malaysia.
3. Member of the Association of Malaysian Environment-Behaviour Researchers (AMER) (Since April 2015)
4. Member of the Eastern Asia Society for Transportation Studies, Japan. (2013 – present)
5. Treasurer of the Transportation Science Society of Malaysia (TSSM) (June 2014 – present)

G. AREA OF RESEARCH

Traffic Simulation and Modeling, Traffic Operation and Control, Driver Behavior, Intelligent Transport System (ITS) and Advancement of Women in Transportation.

H. ORGANISATIONAL / MANAGERIAL SKILLS

Administrative Position Held

1. **Coordinator**, ASEAN European Academic University Network (ASEA-UNINET), Universiti Teknologi MARA,UiTM, 1/09/2017 – current
2. **Coordinator**, Industry, Community, Alumni and Entrepreneurship Network(ICAEN), the Faculty of Civil Engineering, UiTM Shah Alam, 1/07/2015 – current
3. **Liaison Officer**, Office of International Affairs, Universiti Teknologi MARA, 2015 – current

Other Contribution

1. **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

2. **Chairwoman**, Integrated and Informed Modeling: Workshop and Discussion, 19 July 2016, Universiti Teknologi MARA, Malaysia
3. **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- ongoing
3. **Hasmi Mokhlas** (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 Universitat Luneburg, Germany, "Mapping The First Mile and Last Mile Connectivity for Public Transportation Network", 27 June - 22 Aug 2016

I. HONORS AND AWARD

1. **ASEA UNINET Traveling Grant 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
2. **ASEA UNINET Traveling Grant 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
3. **ASEA UNINET Traveling Grant 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

4. **Australia- Malaysia Focus ASEA UNINET** to Austria Travel Award, 2017
5. **Australia-ASEAN Council (AAC) Grant:** Women in Transport Leadership (WiTL): Creating Knowledge Partnerships in Australasia (2016–2017).
6. **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
7. **Excellent Service Award**, Universiti Teknologi MARA 2014
8. **Young Lecturer Scheme Scholarship** for PhD of Ministry of Higher Education Malaysia (MOHE) 2006
9. **AUN/SEED-Net (JICA)** Master Degree Scholarship 2004

J. **SPONSORSHIP**

1. 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)
2. Eastern Asia Society for Transportation Studies International Conference 2015, 11-14 September 2015, Cebu Philippines. (Sponsored by Eastern Asia Society of Transportation (EASTS))
3. DIES National Multiplication trainings (NMT) in Higher Education Management in Malaysia 2014 (Sponsored by German Academic Exchange Service, DAAD)
4. 6th ASEAN Civil Engineering Conference (ACEC), 21-22 November 2013, Bangkok, Thailand (Sponsored by AUN/SEED-Net-JICA, Japan)
5. 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)
6. Australian Institute of Traffic Planning and Management (AITPM) National Conference, 13-15 August 2014, Adelaide, Australia. (Sponsored by Department of Foreign Affairs Australia)
7. Intelligent Transportation System World Congress, 14-18 October 2013, Tokyo, Japan

K. **RESEARCH GRANTS**

1. Ministry of Energy, Science, Technology, Environment and Climate Change (MESTECC) through Malaysian Green Technology Corporation Research Project, Low Carbon Mobility Blueprint for Malaysia (Ongoing)
2. Fundamental Research Grant Scheme (FRGS), Influence of Pedestrian and Station Characteristics on Rail Station Emergency Evacuation Process (Ongoing)
3. Research Acculturation Grant Scheme (RAGS), Pedestrian Flow Characteristic Model at Malaysian Rail Transit Terminal (Completed)
4. Fundamental Research Grant Scheme (FRGS), Walkability Attributes of Rail Service Ridership Within the Kuala Lumpur Conurbation (Completed)
5. E-Science Grant, Sustainable Facilities - Pedestrian Behaviour Model (Completed)

6. Exploration Research Grant Scheme (ERGS) An Exploration of Driving Simulator towards Malaysian Driver Behaviour (Completed)
7. Fundamental Research Grant Scheme (FRGS), Heavy vehicle Ergonomics Safety Model (Completed)
8. Internal Grant of UiTM, Visual Analysis of Pedestrian Movement: using Tracking Technologies in Shopping Mall (Completed)

L. **PUBLICATION**

1. **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
2. **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.
3. **Mustafa.M**, Rustam,N and Siran, R., Fragrance Impact on Driving Performance, Asian Journal of Quality of Life Vol 2, No 5 (2017).
4. 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
5. **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
6. **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
7. 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
8. 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.
9. 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.
10. **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
11. **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
12. 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.
13. 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.
 14. **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
 15. 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 -1 October 2014, International Civil and Infrastructure Engineering Conference, Kota Kinabalu, Sabah, Malaysia
 16. **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.
 17. 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.
 18. 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.
 19. **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.
 20. **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
 21. **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.
 22. **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.
 23. 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.
 24. 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
 25. 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.
26. 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.
 27. **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.
 28. 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.
 29. **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.
 30. **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.
 31. 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.

M. **TRAINING/SEMINAR/WORKSHOP**

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
4. **Guest Lecturer**, Mobility in Malaysia and its Challenges of Today, Technical University of Vienna, Austria.
5. **Visiting Lecturer**, Department of Civil and Environmental Engineering Faculty of Engineering, Universitas Gadjah Mada, Indonesia,
6. **Guest Mentor**, First EASTS PhD and Early Career Researcher Accelerator Forum, 17 September 2017, Sheraton Hotel and Towers, Ho Chi Minh City, Vietnam.
7. **Team Advisor**, Shell Selamat Sampai Varsity Challenge, Completed at First Runner Up, 13 September 2017, Shell HQ, Miri Sarawak
8. **Participant**, 1st Research Alumni Conference "Living and Mobility In Smart Cities", 28-29 August 2017, TUM CREATE, Technical University of Munich Asia, Singapore
9. **Paper Presenter, Poster Presentation Judges**, Eastern Asia Society for Transportation Studies (EASTS) International Conference, 18-21 September 2017, Ho Chi Minh City, Vietnam.
10. **Panelist**, First Women in Transportation Leadership Knowledge Network

- Workshop Meeting, 10-13 March 2017, Manila, Philippines
11. **Paper Presenter**, 6th Brunei International Conference on Engineering and Technology, 14- 16 November 2016 Bandar Seri Begawan, Brunei
 12. **Participant**, ICT Bio Asia 2016, 30-31 May 2016, Kuala Lumpur, Malaysia
 13. **Organizing Committee**, 1 Day Seminar on Bituminous Pavement Preservation 2016 (SBPP 2016), 23 March 2016, Shah Alam, Malaysia
 14. **Participant**, Regional Training Workshop on Sustainability Mobility Planning in Asian Cities 26-28 November 2015, Kuala Lumpur, Malaysia
 15. **Paper Presenter**, Eastern Asia Society for Transportation Studies (EASTS) International Conference, 11-14 September 2015, Cebu Philippines.
 16. **Judge**, Research Innovation Symposium and Exposition 2015 (RISE 2015), 15-16 November 2015, Shah Alam, Malaysia.
 17. **Paper Presenter**, The 3rd AMER International Conference on Quality of Life (AicQoI 2015) Conference, 25 -27 April, Jakarta, Indonesia
 18. **Paper Presenter**, 5th Brunei International Conference on Engineering and Technology (BICET2014), 1-3 November 2014, Brunei.
 19. **Participant**, Australian Institute of Traffic Planning and Management (AITPM) National Conference, 13-15 August 2014, Adelaide, Australia.
 20. **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.
 21. **Paper Presenter**, Intelligent Transportation System World Congress, 14-18 October 2013, Tokyo, Japan.
 22. **Paper Presenter**, The 6th ASEAN Civil Engineering Conference (ACEC), 21-22 November 2013, Bangkok, Thailand.
 23. **Participant**, National Conference on Entrepreneurship, 12-13 November 2013, Blue Wave Hotel, Shah Alam, Selangor, Malaysia.
 24. **Participant**, 2 Day Workshop on Developing and Effective Outcome Based Assessment Plan to Enhance Student Learning, 30 September- 1 October 2013, Selangor, Malaysia
 25. **Paper Presenter**, International Civil and Infrastructure Engineering Conference (InCIEC2013), 22-24 September 2013, Sarawak, Malaysia.
 26. **Participant**, One Day Seminar on Environmentally Sustainable Transportation System, 14 September 2013, Wisma IEM, Petaling Jaya, Malaysia.
 27. **Participant**, University Graduate Employability Engagement Taskforce (UGET), 28 Mei 2013, Shah Alam, Malaysia
 28. **Organizing Committee**, Malaysia- Japan Civil & Environmental Engineering Symposium 2013, 19 March 2013, Shah Alam, Malaysia
 29. **Participant**, The Application of Signalized and Unsignalized Intersection Design and Research Aid (SIDRA) for Traffic Analysis Workshop, 6 February 2013, Shah Alam, Malaysia.
 30. **Organizing Committee**, National Postgraduate Seminar 2012, 16-16 July 2012, Shah Alam, Malaysia
 31. **Participant**, Seminar on Guidelines on Traffic Control and Management Devices: Part 3B and 3C, 27 June 2012, Kuala Lumpur, Malaysia.
 32. **Participant**, 12th Asia Pacific ITS (Intelligent Transport System) Forum & Exhibition, 16 – 18 April 2012, Kuala Lumpur Malaysia.
 33. **Participant**, Executive Talk: OBE in Scholarship of Learning and Teaching, 20 October 2011, Malacca, Malaysia.
 34. **Paper Presenter**, 16th World Congress on Intelligent Transport System, 21

- 25 September 2009, Stockholm, Sweden.
35. **Paper Presenter**, 5th International Symposium on LBS & TeleCartography; Salzburg, Austria; 26 November 2008.
 36. **Paper Presenter**, 15th World Congress on Intelligent Transport System, 16-20 November 2008, New York, USA.
 37. **Paper Presenter** Eastern Asia Society for Transportation Studies (EASTS) International Conference, 24-27 September 2007, Dalian, China

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

38. *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.
39. *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.
40. *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.

N. **CONSULTANCY**

1. SPRM and DBKL, OPS BLACK (WPK/MNO/0027/2016), 30 September 2016

O. **SOCIETY CONTRIBUTION**

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