

ASHAR AHMED

PhD Civil Engineering (Road Safety) 2016
M.E Civil Engineering (Transportation) 2008
B.E Urban Engineering 2006

Universiti Sains Malaysia
NED University of Engg. & Tech.
NED University of Engg. & Tech.

More than 10 years of experience of in academics: Working since January 2006

Research Publications: 13

Research Reports: 10

Number of accidents inspected: 60

Number of intersections surveyed: 550

Lecturer and then Assistant Professor at NED University of Engineering and
Technology, Karachi, Pakistan.....(January 2006-July 2011)
PhD Student at Universiti Sains Malaysia.....(August 2011-June 2016)

List of Research Publications

Journals

- AHMED, A., SADULLAH, A. F. M. & SHUKRI YAHYA, A. 2016. Field study on the behavior of right-turning vehicles in Malaysia and their contribution on the safety of unsignalized intersections. *Transportation Research Part F: Traffic Psychology and Behaviour*, 42, Part 3, 433-446.
- Ahmed, A., Sadullah, A.F.M. and Yahya, A.S. (2015). Effect of roadside development on the safety of intersections without signals. *Applied Mechanics and Materials Vol. 802, pp 393-398*.
- Ahmed, A., Sadullah, A.F.M. and Yahya, A.S. (2015). Difference in the behavior of right-turning vehicles and their effect on safety at unsignalized intersections in Malaysia. *Jurnal Teknologi, Vol 76, No. 14, pp 37-41*.
- Ahmed, A., Sadullah, A.F.M. and Yahya, A.S. (2015). Evaluating the contribution of physical parameters on the safety of unsignalized intersections. *Journal of Engineering Science and Technology Vol. 10, No. 5 (2015), pp 654 - 666*.
- Ahmed, A., Sadullah, A.F.M. and Yahya, A.S. (2014). Accident analysis using count data for unsignalized intersections in Malaysia. *Procedia Engineering Vol. 77, pp 45 - 52*.
- Ahmed, A., Sadullah, A.F.M. and Yahya, A.S. (2013). Contemporary developments in the safety analysis of unsignalized intersections. *International Journal of Advancements Civil Structural and Environmental Engineering, Vol. 1, issue 1, pp 52 - 55*.

Conferences

- Ahmed, A., Gazder, U., Sadullah, A.F.M. and Yahya, A.S. (2016). "An Account of Non-Parametric Analysis of Traffic Accidents at Unsignalized Intersections." *8th International Civil Engineering Congress (ICEC-2016), December 23-24, Karachi, Pakistan, pp 112-118*.
- Ahmed, A., Sadullah, A.F.M. and Yahya, A.S. (2015). Underreporting of serious and minor injury accidents in Malaysia. *MUTRFC 2015, Selangor, Malaysia*.

- Ahmed, A., Sadullah, A.F.M. and Yahya, A.S. (2015). Critical assessment of the infrastructure and vehicle type contributing most in fatal accidents in Penang, Malaysia. *CARS 2015, Kuala Lumpur, Malaysia*.
- Gazder, U., Ahmed, A., Sadullah, A.F.M. and Yahya, A.S. (2015). Accident analysis of unsignalized intersections. *7th International Civil Engineering Congress (ICEC 2015), June 12-13, Karachi, Pakistan, pp 161-167*.
- Ahmed, A., Sadullah, A.F.M. and Yahya, A.S. (2013). Studying the effect of geometric characteristics on crash severity at unsignalized intersections in Penang. *MUTRFC, Kuala Lumpur, Malaysia*.
- Ali, M. S., Ahmed, A. Sheikh, A. A. (2010). Activity - Based Trip Generation Modelling for Selected Urban Areas of Karachi, Pakistan. *Proceedings of the Third International Symposium on IEDC and first National conference on Transportation Engineering and Traffic Management 2010*. ISBN: 978-969-8620-10-3. pp 348 - 361.

Doctoral Thesis

Ahmed, A. (2016). Safety Analysis of Unsignalized Intersections under Erroneous Road Crash Data Influence. PhD Thesis, School of Civil Engineering, *Universiti Sains Malaysia*. 14300 Penang, Malaysia.

Subjects Taught

Highway Engineering-I
 Highway Engineering-II
 Traffic Engineering
 Urban Mass Transportation
 Introduction to Transportation Planning and Operations
 Engineering Surveying-I
 Engineering Surveying-II
 Engineering Materials
 Engineering Mathematics-I: Higher order differential equations (Tutorials)
 Engineering Mathematics-II: Probability and Statistics (Tutorials)
 Engineering Mechanics (Tutorials)
 Concrete Technology (Tutorials)

List of Trainings Completed

- “4th Malaysian Workshop on Crash Investigation and Injury Analysis” conducted by Malaysian Institute of Road Safety Research (MIROS), Hotel Bangi, Putrajaya from August 4 to 6, 2015.
- “3rd National Training Workshop on ORE MICROSCOPY” conducted by Geoscience Advanced Research Laboratories, Geological Survey of Pakistan, Islamabad from April 26 to 30, 2010.
- “Training course on VisioWay Open Counter” organized by Transportation Engineering Department, Exponent Engineers, Karachi, Pakistan from February 4 to 12, 2009.
- “Training of Presiding Officers” conducted by Support to National Elections in Pakistan, UNDP and Election Commission of Pakistan on 26th January 2008.

- “Course on GIS and Imagery Based Geospatial Analysis” conducted by Centre for Continuing Engineering Education, NED University of Engineering and Technology, Karachi from June 18 to 21, 2007.
- “International Training Course on Remote Sensing and Digital Image Processing” organized by Remote Sensing Applications Division, SUPARCO from December 18 to 29, 2006.
- “Technical Training on SOKKIA GPS RADIANT IS, SOKKIA TOTAL STATION SET-2030R3, SOKKIA DIGITAL LEVEL SDL 30, SOKKIA 12D ROADING SOFTWARE” held at the Department of Civil Engineering, NED University of Engineering and Technology, Karachi from December 11 to 16, 2006.

Academic Achievements

- The PhD thesis was nominated for the best thesis award at University Sains Malaysia.
- Secured highest GPA, which was 3.95 out of 4.0, during Masters of engineering at NED University of Engineering and Technology.
- Secured 2nd position in the final examination of Bachelors of engineering at NED University of Engineering and Technology.

Contact Information

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