

Final Activity Report of IRG-10-2006

IRG Code	IRG-10-2006
Name of IRG	Sustainable Neighbourhood Transportation to Improve the Quality of Life in Developing Cities
Status	Continuation
Representative Member	Dr. Hisashi Kubota, Saitama University
Contact Person	Dr. Hisashi Kubota, Saitama University
Email*	hisashi[at]dp.civil.saitama-u.ac.jp

1. Activity of IRG in 2012-2013

The IRG members actively worked on the theme of “Sustainable Neighbourhood Transportation to Improve the Quality of Life in Developing Cities”. The research topics were as follows: planning and operations of bus, perception of public van users, travel behaviours of motorcyclist, shoppers travel mode choice in visiting convenience stores, models to estimate operating speeds for urban residential streets, and evaluation method for pedestrian environment.

2. Achievement

• Paper (Title, Authors, Year, Name of the Journal, etc.)

1. Joewono, T.B., Santoso, D.S., and Ningtyas, D.U., The Causal Relationship of The Service Quality of Transjakarta Busway, *Journal of Public Transport: Planning and Operations* (Springer), Volume 4, Issue 2 (2012), 77-100, (DOI: 10.1007/s12469-012-0053-5)
2. Santoso, D.S., Joewono, T.B., Wibowo, A., Sinaga, H.P.A., and Santosa, W., Public-Private Partnerships of Tollway Construction and Operation: Risk Assessment and Allocation from the Perspective of Investors, *Journal of Construction in Developing Countries*, 17(2) 2012, 41–62.
3. Joewono, T.B., Santoso, D.S., and Hadi, P.L., Exploring University Students' Activities and Travels based on Travel Diary Report, EASTS Conference, Taipei, 9-12 September 2013
4. Susilo, Y.O. and Joewono, T.B., What makes traffic violation becomes habit: The impacts of individual attitudes, norms, and perceived behavioral control to the repetitive traffic violations behaviors among motorcyclist in Indonesia, 92nd Annual Meeting of the Transportation Research Board, Washington, D.C., January 13-17, 2013.
5. Joewono, T.B., Tarigan, A.K.M., and Susilo, Y.O., When disobedience becomes habit: Effects of travel behaviours of motorcyclist on repetitive traffic violations in three Indonesian cities, 5th International Conference on Traffic and Transport Psychology (ICTTP), Groningen, The Netherlands, August 29-31, 2012
6. Joewono, T.B., Lauw, B.Z., and Hendy, H., Motorcycle in the West Java Province: Its Growth and Characteristics. *Civil Engineering Dimension*, Vol. 15, No. 1, March 2013, 61-70. [doi: 10.9744/ced.15.1.61-70]
7. Santoso, D.S., Yajima, M., Sakamoto, K. and Kubota, H., 2012, “Opportunities and strategies for

increasing bus ridership in rural Japan: A case study of Hidaka City”. *Transport Policy*, Vol. 24 pp. 320-329.

8. Santoso, D.S., “Perceptions of Foreign Tourists towards Street Vendor in Bangkok”. Forthcoming. Proceedings of the 10th EASTS Conference, 9-12 September 2013, Taipei, Taiwan.
9. Munira, S., Sarm, S., Santoso, D.S., “Perception of Public Van Users in Bangkok”. Forthcoming. Proceedings of the 10th EASTS Conference, 9-12 September 2013, Taipei, Taiwan.
10. Santoso, D.S., Mahadthai, S., Jahed, A.B., Tun, N., “How Safe is the Rail Platform? A Study of Bangkok Mass Rapid Transit (BTS)”. Forthcoming. Proceedings of the 10th EASTS Conference, 9-12 September 2013, Taipei, Taiwan.
11. Boonaiem, S., Aung, S.N., Santoso, D.S., “Customer Satisfaction towards the Interchange of Chatuchak MRT Station”. Forthcoming. Proceedings of the 6th ATRANS Symposium-Young Researcher’s Forum, 23-24 August, 2013, Bangkok, Thailand.
12. Susilo, Y.O., Hanks, N. and Ullah, M. (2013) An exploration of shoppers travel mode choice in visiting convenience stores in the United Kingdom. Forthcoming at the Journal of Transportation Planning and Technology, Vol. 36.
13. Susilo, Y.O., Williams, K., Lindsay, M. and Dair, C. (2012) The influence of individuals’ environmental attitudes and urban design features on their travel patterns in sustainable neighbourhoods in the UK. *Transportation Research D*, Vol. 17, pp. 190 – 200.
14. Susilo, Y.O. and Waygood, E.O.D. (2012) A long term analysis of the mechanisms underlying children’s activity-travel engagements in the Osaka metropolitan area. *Journal of Transport Geography*, Vol. 20, pp. 41-50.
15. Andrews, G., Parkhurst, G., Susilo, Y.O. and Shaw, J. (2012) ‘The Grey Escape’: How and why are older people using their free bus passes? *Journal of Transport Planning and Technology*, Vol. 35, No. 1, pp. 3 - 15.
16. Erel, A., Shinar, D., and Susilo, Y.O. (2012) Pedestrians’ behaviour in cross walks: The effects of fear of falling and age. *Journal of Accident Analysis and Prevention*, Vol. 44, pp. 30-34.
17. Maata, H.E., Regidor, J.R.F., and Constantino, J.M.G. (2013) “Assessment of Vehicle Speeds and Traffic Safety along Commonwealth Avenue,” Proceedings of the 21st Annual Conference of the Transportation Science Society of the Philippines, Cebu City, Philippines, August 9, 2012.
18. Regidor, J.R.F. (2013) “Traffic Congestion in Metro Manila: Is the UVVRP Still Effective?” *Philippine Engineering Journal*, Volume XXXIV, Number 1, pp. 66-75.
19. Civil, J.P.E., Tenorio, M.G., and Regidor, J.R.F. (2012) “Applicability of Unconventional Transit Systems in Selected Metropolitan Areas in the Philippines,” Proceedings of the 20th Annual Conference of the Transportation Science Society of the Philippines, Bohol, Philippines, September 28, 2012.
20. Dinh, D. D., Kubota, H., Profile-speed data-based models to estimate operating speeds for urban residential streets with a 30km/h speed limit, *IATSS Research*, Vol. 36, Issue 2, March 2013, Pages 115–122.
21. Yajima, M., Sakamoto, K., Kubota, H., Efficacy of bus service reorganization utilizing a hub-and-spoke topology and DRT to meet community needs: A case study of Tokigawa town, *IATSS Research*, Volume 37, Issue 1, July 2013, Pages 49–60.
22. Kojima, A., Elfferding, S., Kubota, H., Intelligent rat-runner: impact of car navigation system on safety of residential roads, Proceedings of 19th ITS World Congress, CD-ROM, 2012

<p>23. Kojima,A., Fudamoto, T., Okuma, M., Kubota, H., Smile And Behavior – New Evaluation Method For Pedestrian Environment, Forthcoming. Proceedings of the 10th EASTS Conference, 9-12 September 2013, Taipei, Taiwan.</p> <p>24. Yajima, M., Sakamoto, K., Kubota, H., Developing a PDCA Cycle to Improve Scheduled Bus Services, Forthcoming. Proceedings of the 10th EASTS Conference, 9-12 September 2013, Taipei, Taiwan.</p>
<p>• Report and book Susilo, Y.O. and Stead, D. (2012) Transport-related CO2 emissions – deconstructing the trends, at Transition towards Sustainable Mobility: the Role of Instruments, Individuals and Institutions, edited by Harry Geerlings, Yoram Shiftan and Dominic Stead. Ashgate, pp. 165-186.</p>
<p>• Seminar, symposium and special session: (Title, Date, Venue & abstract) Special session at 10th EASTS Conference, 9-12 September 2013, Taipei, Taiwan Abstract: 4 papers will be presented in this special session</p>
<p>• Group meeting: (Date, Venue & abstract) October 2012, Online discussion. Abstract: to discuss a future plan August 2013, Online discussion. Abstract: to discuss a future plan 10 September 2013, Group meeting at EASTS Conference, Taipei, Taiwan Abstract: to discuss a future plan.</p>
<p>• Result of application for the research grants:(Name & result)</p> <ol style="list-style-type: none"> 1. Research Grant from the Directorate of Higher Education, Ministry of Education, Republic of Indonesia, 2013, Modeling Travel Behavior in Urban Area based on Activity. 2. Research Grant from the Directorate of Higher Education, Ministry of Education, Republic of Indonesia, 2013, Modeling Travel Behavior in Urban Area based on Activity.
<p>• Promotional activities of your IRG: (Homepage, Newsletter, Mailing list etc.)</p>

<p>3. Self-evaluation of IRG (Within 300words)</p> <p>Our activity level was very high during 2012 to 2013 as before. All the members energetically conducted research activities. In addition, this group provides a big consideration to young researcher. Several undergraduate and graduate students in Parahyangan Catholic University, the University of the Philippines Diliman, and Saitama University are also involved in these topics of research.</p>

<p>4. Do you apply for the new IRG?</p> <p>Yes No</p> <p>Notice) On behalf of the secretariat of EASTS, I would like to inform you that planned research period of your IRG has already passed. In case that you have an intention to expand research activities of the IRG, please finalize the existing IRG and organize a new IRG with new research purpose and members.</p>
