

## *Final Activity Report of IRG-05-2005*

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|-----------------------|---|
| IRG Code              | IRG-05-2005   |
| Name of IRG           | <b>Culturally Sensitive Pedestrian-centric Philosophy to Advancement of Urban Form in East Asia</b> |
| Status                | Continuation  |
| Representative Member | Dr. Upali Vandebona, The University of New South Wales  |
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### 1. Activity of IRG in 2012-2013

Activities in the final year of this group focussed on completing all planned technical analysis and preparing publications covering the research theme primarily for the EASTS 2013 conference. Section 2 of this report lists status of publications. Considerable amount of revisions were carried out to the draft monograph prepared to consolidate research findings of this group. Two research students (in Japan and Taiwan) who worked specifically on this research theme completed their degrees. Meetings among selected members of the group were held in Sydney, Australia and Tainan, Taiwan.

### 2. Achievement

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

Impact of urbanization on user expectations related to public transport accessibility, Vandebona, U. and Tsukaguchi, H. 2013, *International Journal of Urban Sciences*, DOI:10.1080/12265934.2013.776293

Analysis of Changes in Pedestrian Route Choice Priorities with Progress of Stage of Life, Tsukaguchi, H., Vandebona, U., and Tajima, Y., 2013, *Journal of the Eastern Asia Society for Transportation Studies*, Vol. 10 (conditional acceptance) and EASTS 2013 Conference (accepted)

Relationships among Lifestyle Attributes and Attitudes toward Pedestrian Facilities, Tajima, Y., Tsukaguchi, H., Vandebona, U., and Hsia, H.C., 2013, *Journal of the Eastern Asia Society for Transportation Studies*, Vol. 10 (conditional acceptance) and EASTS 2013 Conference (accepted)

The Study of the Relationships among Psychological Factors, Acceptable Walking Distance, and Actual Walking Distance, Hsia, H.C., Yeh, K.Y., Tsukaguchi, H., and Vandebona, U., 2013, *Journal of the Eastern Asia Society for Transportation Studies*, Vol. 10 (conditional acceptance) and EASTS 2013 Conference (accepted)

Proposal of the pedestrian planning based on the analysis of the relationship between lifestyle attribute and walking attitude, Tajima, Y., Tsukaguchi, H., and Vandebona, U., 2013, *Proceedings of Infrastructure Planning, JSCE (in Japanese)*

#### • Report and book

Working title: Culturally Sensitive Pedestrian-Centric Planning Philosophy, Vandebona, U., Tsukaguchi, H., Yeh, K.Y., Jung, H.Y., Hsia, H.C., and Tajima, Y. (2013?) Monograph to document overall technical research outcomes of IRG-05-2005 (Draft prepared)

#### • Seminar, symposium and special session: (Title, Date, Venue & abstract)

None

•Group meeting: (Date, Venue & abstract)

Meeting 1: Date: 8 to 11 December, 2012

Venue: University of New South Wales, Sydney, Australia

Abstract: The meeting attended by Dr Vandebona and Professor Tsukaguchi. Content and structure of papers planned to be submitted to EASTS 2013 conference by the IRG were discussed. In addition, the outline of the monograph the IRG intends to publish as the final activity of the IRG was discussed.

Meeting 2: Date: 15 March, 2013

Venue: National Cheng Kung University, Tainan, Taiwan

Abstract: This meeting was attended by Prof. Tsukaguchi, Prof. Yeh and Mr. Hsia to primarily discuss progress of publications related for the EASTS conference in 2013. Also, content details for the monograph were discussed to be consistent with the outline determined during the previous meeting in Sydney.

•Result of application for the research grants:(Name & result)

None

•Promotional activities of your IRG: (Homepage, Newsletter, Mailing list etc.)

Last update on EASTS IRG site was in June 2012.

3. Self-evaluation of IRG (Within 300words)

Funding assistance was encouraging and useful in promoting the group's technical research:

(a) Research grant (2008-2010) for pedestrian research lead by the Professor Yeh at National Cheng Kung University allowed team members from Taiwan, Japan, South Korea and Australia to actively collaborate, initiate field work and conduct the IRG seminar held in 2008 in Tainan.

(b) ICRA-B research grant in 2009 to the group facilitated the IRG seminar held at Busan National University. The seminar was well attended by research students and industry professionals.

(c) Grant-in-Aid for Scientific Research of JSPS, Japan (2011-2013) to Professor Tsukaguchi allowed continuation of field work and collaborations.

(d) ICRA-B research grant in 2011 to the group allowed IRG seminar be held at Vientiane Lao PDR. Well attended by undergraduate students also, as earlier reported in an annual activity report.

Technical work of this group allowed collection of a large volume of data from 23 countries spread over 4 countries. Publications of this group have given them the opportunity to introduce a range of analysis techniques and statistical methods to ensure the scientific merit of their interpretations. The group has documented a range of issues where human factors of regional character have implications on pedestrian-centric planning and development. The IRG members encouraged students in their laboratories to consider research work directed toward pedestrian travel culture.

Two graduate students (Hao-Ching Hsia from Taiwan and Yoshiyuki Tajima from Japan) undertook a student exchange arrangement to conduct research at UNSW, Australia, in order to appreciate a different perspective of the pedestrian travel culture. Group members consider such exchange activities as an incentive for young researchers to broadening their experience and research credentials.

Members take this opportunity to record their sincere appreciation for the support and trust extended to this group from the board of directors, international scientific committee and the secretariat of EASTS.

4. Do you apply for the new IRG?

Yes No

Yes – Number of members have proposed an IRG on a theme with different focus and features such as signage and way finding. New IRG application has been submitted by the proposed leader.

Proposed group title: *Integrated sign systems for non-motorized transport and transit users;*

Proposed group leader: *Professor Hiroshi Tsukaguchi*

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