

IRG Activity Report

Date of Submission: 10 / 06 /2011

1. IRG code and name of IRG

- 1) IRG code: IRG - 05 -2005
- 2) Name of IRG : Culturally sensitive pedestrian-centric philosophy to advancement of urban form in East Asia

2. List of research members

- 1) Upali Vandebona (Representative), Senior Lecturer, School of Civil and Environmental Engineering, University of New South Wales, Sydney, Australia,
- 2) Hiroshi Tsukaguchi, Professor, Department of Civil Engineering, Ritsumeikan University, Japan,
- 3) Hun-Young Jung, Professor, Department of Urban Engineering, Pusan National University, Korea,
- 4) Kuang-Yih Yeh, Professor, National Cheng Kung University, Taiwan,
- 5) Keiichi Ogawa, Associate Professor, Ritsumeikan University, Japan,
- 6) Hao-Ching Hsia, National Cheng Kung University, Taiwan,
- 7) Shinji Sugihara, Chuo Consultants Co. Ltd., Japan,
- 8) Yuya Tanaka, Kyoto City Office, Japan,
- 9) Yuki Shibata, Ministry of Land and Transport, Japan,
- 10) Kardi Teknomo, Associate Professor, Ateneo de Manila University,
- 11) Derlie Mateo-Babiano, Lecturer in Planning, The University of Queensland, Australia,
- 12) Choi Chi Gook, Senior researcher, Busan Development Institute, Korea,
- 13) Lee Sang Yong, Busan Metropolitan City Office, Korea,
- 14) Song Ki Wook, Senior researcher, Kyungnam Development Institute, Korea,
- 15) Choi jai Sung, Professor, Seoul City University, Korea
- 16) Chun-Fu Shao, Professor, Beijing Jiaotong University, China
- 17) Khounpakdy Lamphoun, Public works and Transport Institute, Lao PDR (currently Graduate Student, Ritsumeikan University)
- 18) Yoshiyuki Tajima, Graduate School of Ritsumeikan University, Japan
- 19) Ida Ayu Wardiani, Transportation Department of Tabanan Regency, Bali Province, Indonesia
- 20) Akihito Wada, Professor, Fukui Institute of Technology, Japan,
- 21) Tomonori Yoshimura, Graduate School of Fukui Institute of Technology, Japan

3. Purpose and Mission of IRG

Walking is a vital transport mode and plays an indispensable role in a sustainable society. Development of attractive and functional public space consistent with natural tendencies of the community requires an understanding of relevant attributes of the local culture and the range of applicable planning concepts. This IRG is ambitious in its aim to attempt to supplement the research and planning community with guidelines specific to different East Asian cities to improve socio-cultural acceptance of urban change.

The IRG is formed to collaborate and provide leadership where necessary with researchers in this field in member countries to analyze and disseminate the cultural significance of natural pedestrian behavior with the view of developing meaningful planning guidelines. The inclusion of unique features of the heritage is important to ensure the long term sustainability and efficiency of urban developments.

Specific outcomes of the IRG would be:

- (a) the development of the research personal network,
- (b) holding a dedicated session in EASTS conferences, and
- (c) development of a planning philosophy that is sympathetic to inclusion of cultural attributes.

4. Achievements of IRG in 2010-2011

- 1) Paper, report and book: (Title, Authors, Year, Name of the Journal, etc.)
(Please include the paper(s) submitted to 2011 EASTS conference.)

Four papers have been accepted to the IRG session of the 2011 EASTS conference:

Effect of the Stage of Life and Lifestyle on Pedestrian Behavior in East Asian Countries
by Hiroshi TSUKAGUCHI, Upali VANDEBONA, Kuang-Yih YEH, Hao-Ching HSIA,
Hun-Young JUNG, and Yoshiyuki Tajima - EASTS 2011 Academic Paper 100101

Corresponding Characteristics of Pedestrian awareness and attitudes in Taiwan
by Hao-Ching HSIA, Kuang-Yih YEH, Upali VANDEBONA and Hiroshi TSUKAGUCHI -
EASTS 2011 Academic Paper 100300

Impact of Ease of Access to Public Transport on User Expectations
by Hiroshi TSUKAGUCHI, Upali VANDEBONA, Kuang-Yih YEH, Hun-Young JUNG,
Hao-Ching HSIA, and Yuya Tanaka - EASTS 2011 Practical Paper 100516

Study on characteristics of space formed by promenade behaviors
by Tomonori YOSHIMURA, and Akihito WADA - EASTS 2011 Practical Paper 100499

Three other publications since last activity report:

Research Framework of Pedestrian Travel Culture and its Perspective

by Hiroshi TSUKAGUCHI, Upali VANDEBONA, Kuang-Yih YEH, Hun-Young JUNG, and Hao-Ching HSIA - Proceedings of the Infrastructure planning and management, JSCE, 2010.

Comparative Study of Pedestrian Travel Culture in Different Cities in Japan

by Hiroshi TSUKAGUCHI, Upali VANDEBONA, Kuang-Yih YEH, Hao-Ching HSIA and Hun-Young JUNG - Journal of the Eastern Asia Society for Transportation Studies, Vol. 8, pp.1164-1178, 2010.

Comparison of Walking Image among Different Age Groups in Taiwanese Cities

Hao-Ching HSIA, Kuang-Yih YEH, Upali VANDEBONA and Hiroshi TSUKAGUCHI - Journal of the Eastern Asia Society for Transportation Studies, Vol. 8. pp. 1245-1260.

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

Title: Seminar on Theory and Application of Pedestrian Travel Culture

Date : Friday, December 4th, 2010

Venue : Busan National University, South Korea

Abstract: The IRG-05 of the EASTS has organized a seminar on the theme of ‘Theory and Application of Pedestrian Culture’ at the Pusan National University in Busan, South Korea on Friday, December 3rd, 2010 to report and discuss recent findings of the international collaborative research team. The one day seminar provided an overview of the pedestrian travel culture research framework and focus on the impact of gender, stage of life and life style on pedestrian attitudes. The seminar was scheduled to provide separate country presentations covering findings from surveys conducted in different cities in Japan, Taiwan and South Korea. Methodological aspects and results from comparison of the pedestrian culture among different countries were also presented. More than thirty researchers, students, and practitioners attended the seminar.

Presentations and topics were presented as follows;

Time	Presenters and topics
10:00~10:05	Opening address Hun-Young Jung
10:05~12:00	Purpose and Mission Upali Vandebona Overview of the Past Activities Upali Vandebona and Hiroshi Tsukaguchi Japanese Experience Hiroshi Tsukaguchi Taiwanese Experience Kuang-Yih Yeh and Hao-Ching Hsia
13:00~14:30	Korean Experience Hiroshi Tsukaguchi and Hun-Young Jung

	Future view of the IRG Upali Vandebona and Hiroshi Tsukaguchi
14:30~15:00	Tea Break
15:00~16:55	Selected Topics of on Pedestrian and Cyclists (1)An Analysis of Traffic Conflict Phenomenon of Bicycles Using Space Occupancy Index Keiichi Ogawa (2)Safety of Pedestrians Using Mobile Devices at Road Crossings Upali Vandebona (3)A study on the effect analysis and activation of Traffic System Advanced Plan influencing the Walking Rights strengthening Seok-Yong Jang, Hun- young Jung, Sang-sun Ko, and Sung-in Lee (4)Non- motorized/ Non-carbon transport mode master plan of Korea Won-Suck Choi and Young- In Kwon
16:55~17:00	Closing session

3) Group meeting:
(Date, Venue & abstract)

Meeting 1:

Date: 29 March 2010

Venue: Busan National University, Busan, Korea

Abstract: A group meeting was held with Professor Tsukaguchi and Professor Jung in attendance. Arrangements for the seminar scheduled in December were the focus of discussions. The meeting was able to clarify contribution required from different members for the proposed seminar.

Meeting 2:

Date: 5 December 2010

Venue: Busan National University, Busan, Korea

Abstract: A group meeting was held with Dr. Vandebona, Professor Tsukaguchi, Professor Yeh, Professor Jung, Mr. Hsia and Professor Ogawa in attendance. Future view of the IRG was the main point of discussion. In that context, promotion of IRG work through seminars and investigations in additional countries was discussed. There was also an interest in pursuing other publication avenues to disseminate the research work.

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

Three funding sources has contributed to this IRG since inception:

- (a) Received a research grant (2008-2010) for pedestrian research lead by the Professor Yeh at National Cheng Kung University that allows team members from Taiwan, Japan, South Korea and Australia to actively collaborate. Part of the funding provided opportunity for the IRG seminar held in 2008. Program details of that seminar were presented in a previous activity report.
- (b) Received ICRA-B research grant 2009 for the value of JPY 500,000 for preparation

of an International Seminar on Pedestrian Travel Culture and its Application to Pedestrian Planning. Planned at Busan National University. Program details of the seminar held were presented in the previous section.

- (c) Grant-in-Aid for Scientific Research of JSPS, Japan: Application was successful for the research on pedestrian travel culture. The representative is Professor Tsukaguchi.

In addition, a new application has been lodged recently ICRA-B grant from EASTS – results pending.

5) Promotional activities of your IRG:

(Homepage, Newsletter, Mailing list etc.)

- (a) Mailing list of IRG members updated as given in page 1.

- (b) Seminars: Two IRG seminars have been held by this group.

The first IRG seminar was held in December 2008 in Tainan attended by young researchers, academics from number of Universities and local government officials.

The second IRG seminar subsidized by EASTS was held in December 2010 in Busan, Korea. Speakers came from Japan, Taiwan and Australia.

5. Will you continue your IRG's activity after 2011 EASTS conference?

Please select the answer. Yes

If you have an intention to complete your IRG, please submit a final report of the IRG based on original purpose and mission of the IRG. You can make the final report by free format.

Furthermore, please submit useful materials such as PowerPoint slides used at IRG's seminar if possible. The materials will be shown on the EASTS website.

During the last group meeting, participants identified further opportunities for research and promotions it was decided to continue our activities.

Group meeting planned during the 2011 East conference plans to finalize the consolidation of presentation slides from the IRG seminar to a form suitable for EASTS website. It is anticipated that the material could be made available in early July.

6. Future research plan and including time frame with the following items:

- Possibility to hold seminar and symposium (Date & Venue)

Proposed International Seminar Title: Seminar on Theory and Application of Pedestrian Travel Culture

Proposed date: April, 2012, on a date to be finalized. [5 April 2012 as the seminar date is currently under consideration].

Venue: Vientiane, Lao PDR

- Special considerations to young researchers

The IRG members encourage students in their laboratories to consider research work directed toward pedestrian travel culture. In the second half of 2011, two graduate students will travel to UNSW, Australia, in order to obtain a different perspective of the pedestrian travel culture with guidance from Dr Upali Vandebona. One student is from Taiwan (Hao-Ching Hsia) and the other is from Japan (Yoshiyuki Tajima). These student exchanges have been possible with funding sources from Taiwan and Japan respectively. Group members consider such exchange activities as an incentive for young researchers in addition to the educational value of broadening their experience and research credentials.