

## *Activity Report of IRG-24-2014*

IRG Code	IRG-24-2014
Name of IRG	Viability of Public Transport Harmonizing System with Para-Transit Modes
Status	Continuation
Representative Member	Tetsuo YAI, Tokyo Institute of Technology, Japan
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### 1. Activity of IRG in 2013-2014

- ✓ Established the IRG and clarified the role of each member and then investigated the following items related to the IRG in some Asian cities:
  1. Population size
  2. Road physical conditions (e.g. PED, Bicycle)
  3. Topological Conditions
  4. Existence of Para-transit
  5. Existence of Mini-bus
  6. Trip characteristics
  7. Attractiveness of the city
  8. Environmental consciousness of policy-maker
  9. Good governance and cooperation from local governments
- ✓ Conducted the 1<sup>st</sup> Meeting of the IRG in Tokyo
- ✓ Conducted a seminar in Tokyo titled “Public Transport Issues in Small and Medium Sized Cities in Developing Countries”.
- ✓ Conducted a field survey and site visit of some Asian cities (Vientiane, Luang Prabang, Yangon, Mandalay, Malang, Puerto Princesa, Iligan, Cagayan de Oro, and Phnom Penh)
- ✓ Conducted the 2<sup>nd</sup> Meeting of the IRG in Malang
- ✓ Conducted an international seminar titled “Urban Public Transport Performance in Asian Countries” in Malang
- ✓ Conducted a seminar titled “Urban Sustainable Transport System considering harmonization between public transport and para-transit” at Mindanao State University - Iligan Institute of Technology

### 2. Self-evaluation in 2013-2014

#### 2.1 Achievement

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

- ✓ Fundamental study on the urbanization and the public transport development in the world (by T. Saito and Y. Muromachi), Journal the City Planning Institute of Japan (in press)
- ✓ Congested and Unreliable Transport System in Metro Manila (by A.C. Mijares and T. Yai), HKSTS Conference (in press)
- ✓ Scheduling Preference Modelling of Rail Passengers in Tokyo Metropolitan Area and Evaluation of Time-Varying Fare Policy for a Congested Urban Railway Line (by C. Xie and D. Fukuda), Journal of Japan Society for Civil Engineers (in press)
- ✓ Computational Property of Multinomial Probit-based Rail Passengers’ Route Choice Model using Analytical Approximation (by J. Kamegai and D. Fukuda), Proceedings of Infrastructure Planning and Management, JSCE, Vol. 49 (2014)

##### •Report and book

- ✓ An annual report summarizing all of activities of the IRG (internal only)

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

- ✓ Seminar on “Public Transport Issues in Small and Medium Sized Cities in Developing Countries” at Tokyo Institute of Technology on February 21, 2014

1. Overview of Worldwide Growth in Small/Medium Sized Cities by Yasunori MUROMACHI (Assoc. Professor, TokyoTech)
2. Public Transport Issues in Small/Medium Sized Cities of Cambodia by Iv LIM (Ministry of Land Management, Urban Planning and Construction)
3. Some Options to Improve Urban Minibus Services in Greater Malang Area by Achmad WICAKSONO (Professor, University of Brawijaya)
4. Public Transport Issues in Small/Medium Sized Cities of the Philippines and Initiatives on Public Transport Vehicle Technologies by Vergel KARL (Professor, University of the Philippines in Diliman)Public Transport Issues in Small/Medium Sized Cities of Thailand by Kasem CHOOCHARUKUL (Professor, Chulalongkorn University)
5. Public Transportation Planning in Dong Nai, A Medium Sized Province of Vietnam by Van Hong TAN (Professor, Technology University of HCM City)
6. Future Solutions for Public Transport in Small/Medium Sized Cities by Kiyohisa TERAJ (Professor, TokyoTech/TOSHIBA Corporation)

✓ Seminar on “Urban Public Transport Performance in Asian Countries”  
at Brawijaya University on August 5, 2014

1. Urban Public Transport Performance in Indonesia by Dr.Achmad Wicaksono (University Brawijaya)
2. Urban Public Transport in Cambodia by Dr. Iv LIM (Ministry of Land Management, Urban Planning andConstruction, Cambodia)
3. Multivariate Analysis of Customer Satisfaction: A Case Study of Bangkok's Mass Rapid Transit (MRT) Passengers by Dr. Kasem CHOOCHARUKUL (Chulalongkorn University)
4. A Review of Urban Public Transport Performance in Southern Cities of Vietnam by Dr. Van Hong TAN (Technology University of HCM City)
5. Urban Public Transport Performance in Japan by Prof. Tetsuo YAI (Tokyo Institute of Technology)
6. Urban Public Transport Performance and Toshiba R&D by Mr Katsuyoshi SUZUKI (Toshiba Corporation)

✓ Seminar on “Urban Sustainable Transport System considering harmonization between public transport and para-transit”

at Mindanao State University - Iligan Institute of Technology on October 8, 2014

- Urban Sustainable Transport System considering harmonization between public transport and para-transit by Prof. Tetsuo YAI (Tokyo Institute of Technology)

•Group meeting: (Date, Venue & abstract)

- ✓ 1<sup>st</sup> meeting on February 20, 2014 at Tokyo Institute of Technology, Yokohama, Japan
  - Brief introduction of IRG
  - Presentation from Toshiba
  - Introduction of current condition of each country/region relevant to the IRG study from the participants and recommendation of the appropriate cities/sites for the case studies.
  - Future plan
- ✓ 2<sup>nd</sup> meeting on August 4 & 6, 2014 at University of Brawijaya, Malang, Indonesia
  - Overview of the Malang City and their planning
  - Brief Explanation on para-transit and public transport issues in each member countries
  - Survey plan in Malang
  - Task allocation of paper writing for EASTS2015 conference

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

N.A.

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

- Internal newsletters are issued bimonthly.

2.2 Shortage point

N.A.

3. Activity plan in 2014-2015

- ✓ Conduct a survey in some cities (e.g. Malang, Phnom Penh and some cities in the Philippines)
- ✓ Develop traffic, travel behaviour and transit operation models within the context of the IRG.
- ✓ Submit papers to EASTS 2015 Conference and hold a special session of this IRG

4. Special instruction (additional member etc.)

N.A.

The secretariat of EASTS

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