

IRG Activity Report

Date of Submission: 17 / 06 /2011

1. IRG code and name of IRG

1) IRG code: IRG - 02 - 2005

2) Name of IRG

International, Inter-regional, and City Logistics Research Group in Wide Variety of Asian Region

2. List of research members

- 1) Prof. T. F. FWA, National University of Singapore, Singapore (Representative)
- 2) Dr. Der-Horng LEE, National University of Singapore, Singapore (Co-Representative)
- 3) Prof. Eiichi TANIGUCHI, Kyoto University, Japan (Leader of City Logistics Sub-Group)
- 4) Prof. Lixin MIAO, Tsinghua University, China (Leader of International and Inter-regional Logistics Sub-Group)
- 5) Dr. Nobunori AIURA, Kanagawa Institute of Technology, Japan
- 6) Dr. Jun T. CASTRO, Philippine University, Philippines
- 7) Prof. Cheng-Min FENG, National Chiao Tung University, Taiwan
- 8) Dr. Shinya HANAOKA, Tokyo Institute of Technology, Japan
- 9) Prof. Tetsuo HYODO, Tokyo University of Marine Science and Technology, Japan
- 10) Prof. Toshinori NEMOTO, Hitotsubashi University, Japan
- 11) Prof. Michiyasu ODANI, Kobe University, Japan
- 12) Dr. Frazila B RUSS, Institute of Technology Bandung, Indonesia
- 13) Dr. Kazushi SANO, Nagaoka University of Technology, Japan
- 14) Prof. Ofyar Z TAMIN, Institute of Technology Bandung, Indonesia
- 15) Prof. Michael A P TAYLOR, University of South Australia, Australia
- 16) Prof. Russell THOMPSON, The University of Melbourne, Australia
- 17) Dr. Tadashi YAMADA, Kyoto University, Japan
- 18) Prof. Zhongzhen YANG, Dalian Maritime University, China
- 19) Dr. Ian C. ESPADA, Almec Corporation, Philippines
- 20) Prof. Wen-Chih HUANG, National Taiwan Ocean University, Taiwan
- 21) Prof. Hitoshi IEDA, University of Tokyo, Japan
- 22) Dr. Tomoki ISHIKURA, University of Tokyo, Japan
- 23) Prof. Katsuhiko KURODA, Kobe University, Japan
- 24) Dr. Loo-Hay LEE, National University of Singapore, Singapore
- 25) Dr. Kenji ONO, Ministry of Land, Infrastructure, Transport and Tourism, Japan
- 26) Dr. Dong-Wook SONG, Heriot-Watt University, UK
- 27) Dr. Mikiyo TAKEBAYASHI, Kobe University, Japan
- 28) Prof. Tsuneaki YOSHIDA, University of Tokyo, Japan
- 29) Prof. Sutanto SOEHODHO, University of Indonesia, Indonesia
- 30) Dr Ryuichi SHIBASAKI, National Institute for Land and Infrastructure Management, Japan

3. Purpose and Mission of IRG

Recently, the economy of each country/region in Eastern Asia has shown a rapid growth

and much strengthened their interdependency on each other, such as the active FTA (Free Trade Agreement) negotiations among these countries. Such economic development in each country increases the amount of freight movements at city, inter-regional, and international level, and raises the importance of logistics management in this region. We must share with one another the experiences and problems encountered in each country's logistics sector and the solutions, and conduct research and propose solutions to the logistics problems at city, inter-regional, and international level, in collaboration with each country's researchers.

In order to deal with these issues, we're going to organize the international research group, called "International, Inter-regional, and City Logistics Research Group in Wide Variety of Asian Region" in EASTS. The missions of the group are;

- Sharing information and analyzing in cooperation the current problems in the logistics field in Eastern Asia, and
- Proposing the solutions and/or policy recommendations on these problems together as needed.

Actual activity will be conducted under two research sub-groups, "International and Inter-Regional Logistics Group" and "City Logistics Group". Both sub-groups comprise researchers from countries/regions participating in the IRG.

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.)
(You don't need to attach the files.)

(All papers are submitted to 2011 EASTS conference)

- A Lagrangian Heuristic for the Vehicle Routing Problems with the Private Fleet and the Common Carrier, Kuancheng Huang and Cheng-Po Hsu
- Bilevel Programming and Linear Approximation of Solving Minimum Concave Cost Multicommodity Flow Problem, Sutanto Soehodho and Nahry Yusuf
- Exact Solution for Vehicle Routing Problem with Soft Time Windows and Dynamic Travel Time, Ali Gul Qureshi, Eiichi Taniguchi, and Tadashi Yamada
- Development of Cross-border Trade and Transport Geo-spatial Database for the Lower Mekong Riparian Countries, Sumalee Sukdanont, Itthi Trisirisatayawong, Sorawit Narupiti, Kasem Choocharukul, and Sunanta Charoenpanyaying
- Study on Common Transport Statistics in East Asian Countries, Shigeno Takahiro and Tsutomu Sudo
- Existing Conditions and Future Opportunities on Route 12 Economic Corridor, Jittichai Rudjanakanoknad, Chayodom Sabhasri, and Wilaikaew Anucha
- Future Forecast of Trade Amount and International Cargo Flow in the APEC Region: An Application of Trade-Logistics Forecasting Model, Ryuichi Shibasaki and Tomihiro Watanabe
- Heuristic Solution of Location Model of State-Owned Company Distribution System, Sutanto Soehodho and Nahry Yusuf
- A Bi-level Programming for the Multi-echelon Supply Chain Distribution Network

Design, Yu-Ju Yang and Ching-Jung Ting

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

The 3rd International Conference on Transportation and Logistics (T-LOG 2010)

Date: September 6-8, 2010

Place: Nishijin Plaza, Kyushu University in Fukuoka City, Japan

Abstract: Two keynote lectures, one panel discussion, 16 parallel sessions, 2 poster sessions (total 97 presentations including 67 academic papers and 30 practical presentations), and half-day cite visit tour. For detail program, please visit to <http://www.t-log.info/3rd-Tlog/session.pdf>. Also, a proceeding CD including materials on all presentations (at least one material, i.e. paper and/or presentation file, for each presentation) was made. About 130 participants attended from 13 countries (Japan, Korea, Taiwan, China, Singapore, Indonesia, Thailand, Australia, Malaysia, Switzerland, New Zealand, Netherland, and Brazil).

3) Group meeting:

(Date, Venue & abstract)

September 7, 2010 Nishijin Plaza (Fukuoka)

On next TLOG conference (TLOG 2012)

4) Result of application for the research grants:

(Name & result)

N/A

5) Promotional activities of your IRG:

(Homepage, Newsletter, Mailing list etc.)

TLOG/EASTS IRG02 website:

<http://www.t-log.info/>

3rd TLOG conference website:

<http://www.t-log.info/3rd-Tlog/index.html>

TLOG Mailing List:

all@t-log.info

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

Please select the answer. (No)

Final report will be made within this year. Also, program of TLOG 2010 conference and a proceeding CD are attached.

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

- Possibility to hold seminar and symposium (Date & Venue)
- Special considerations to young researchers