

# Application Form of EASTS IRG (International Research Group)

**IRG-03-2005**

Date of Submission: 10/31/2005

1. Name of IRG:

**APEC-TR : Asian Polycentric Employment Collaborative – Transport**

Title Of the project:

DYNAMICS OF POLY-CENTRIC EMPLOYMENT FORMATION IN EAST AND SOUTHEAST ASIAN CITIES

2. List of research members

- 1) Hayashi Yoshitsugu (Representative)  
Professor, Nagoya University, Graduate School of Environmental Studies, Nagoya University, Japan
- 2) Black John  
Professor, University of New South Wales, New South Wales, Australia
- 3) Alpkokin Pelin  
Nagoya University, PhD Candidate, Research Assistant, Nagoya University (Japan) and Istanbul Technical University (Turkey)

3. Purpose and Mission of IRG:

**Mission:** To conduct international collaborative research, to build team of young researchers, and to summarize results of analytical methods and policies in manual for practicing planners.

**Purpose:** All very large metropolises, whether in developing or developed countries, sooner or later have to face the problem of spatial re-organization from mono-centric structure to multi-centric structure that is the relocation (decentralization and further deconcentration) of firms and houses outside the CBD in particularly emerging employment centers.. Such poly-centric dynamics have been extensively explored in American cities and a recent report was also published on a European Union Project. Despite these works, the lack of a methodology for the analysis of multi-centric growth and its impacts on commuting characteristics triggered us to propose an analytical framework for grasping the multi-centric dynamics in large metropolitan areas.

Research has already been completed at Nagoya University on a provisional framework for practising planners of study aims, suitable analytical techniques, and what the results of such analyses might tell planners. Following, the evidence of polycentric tendency in large Asian cities led us apply the proposed framework and conduct a collaborative study for a better understanding the multicentric urban growth in ten cities and associated commuting patterns that will further illuminate policy making to assure the environmentally and economic sustainable urban development.

4. Future research plan including time frame:

**Summary of Key Dates for APEC - TR**

1. Research project inception in Bangkok, 6<sup>th</sup> Conference of EASTS, *23 September, 2005*
2. *Early October, 2005*, Confirmation of Research Team and Distribution of EASTS International Collaborative research proposal.
3. Issue of Briefing Paper 1 – first week of *October, 2005*.

4. **October – November, 2005**, Issue of briefing paper by Pelin Alpkokin on proposed techniques and internet brainstorming by all collaborating researchers to confirm analytical techniques
5. **Mid November, 2005** – Issue of Briefing Paper by John Black to young researchers on Professional Career Coaching and the development of a network of young researchers for the long-term future of EASTS.
6. **Deadline by March, 2006** - Extraction of relevant transport network data, land use and O-D commuting patterns for each city and time period and formation of GIS data base (guidance by Pelin Alpkokin and all participants).
7. Application of agreed techniques, analysis and results in all cities by all research collaborators for presentation at Nagoya workshop, **October 2006**.
8. **December, 2005 to June, 2006** identification of relevant planning documents and reports on policy by researchers and collection of each city's policies and documents. These are to be forwarded to Professor Yoshi Hayashi at Nagoya University
9. **June – July, 2006** – Interpretation and description of these reports to be completed and discussed in Nagoya Workshop (Yoshitsugu Hayashi, John Black with assistance from Pelin Alpkokin).
10. **October Workshop in Nagoya** (Organised by Pelin Alpkokin with Yoshitsugu Hayashi and John Black as Co-Chair) – presentation and discussion of results for all cities (all research collaborators are requested to attend), and preparation of publication schedule for 7<sup>th</sup> EASTS, Dalian, China, 2007, and other journals.
11. **November – December, 2006** – draft interpretation of policy assessment on employment location, transport and environmental benefits and costs (Yoshitsugu Hayashi and John Black) and distribution to all collaborators for **comment, March, 2007**.
12. **May 2007** - completion of policy assessment from January to May, 2007 – preparation of draft guide lines on conducting research into the dynamics of employment location and transport for practicing planners and consultants (comments from all collaborators).
13. **Attend 7<sup>th</sup> EASTS 2007 Special Conference Session** on this topic – peer review of guidelines and special session presenting the results of this research project.
14. **7<sup>th</sup> EASTS 2007** – Discuss possible book publication and prepare manuscript