

## **BUILT ENVIRONMENT AND TRANSPORTATION IN ASIAN MEGACITIES**

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### **INTRODUCTION**

Rapid population and economic growth with massive rural-urban migration is seen as a major concern in urban and transportation planning in Asian developing megacities. This causes rapid change in travel demand and its structure, associated with rapid increase in private vehicle ownership and inadequate public transport extensions, producing various problems such as traffic congestion, noise, and ambient air pollution. Since improving public transport infrastructure in accordance with the demand change is often difficult due to resource constraints, one of the natural consequences would be to utilize surrounding regions with the scale of growth of motor vehicle ownership and usage, resulting in a decentralized urban form.

The above mentioned relationship between transport and land use is more or less similar with the past evolution of transport systems and urban form in today's developed cities. In this sense, it is certainly worth learning from the past experiences of developed cities in terms of both theory and practice. For instance, the concepts of "smart growth", "new urbanism", and "compact cities" are now widely applied in many developing cities' urban and transportation planning practices. On the other hand, there are non-ignorable differences between developing and developed cities, not only in terms of transport systems (e.g., the existence of paratransit), but also in terms of the scale of cities, speed of growth, available technologies, natural environment (such as weather), and social systems (such as culture and social norms). These differences need to be embedded into urban and transportation planning discourses, which potentially make tremendous differences in the selection of policy options. However, it seems that such Asian-specific contexts are underexplored both theoretically and empirically.

### **THE SCOPE OF THE SPECIAL ISSUE**

Motivated by the above discussion, this special issue intends to collect papers that reflect up-to-date research on the linkage between built environment and transportation in the context of Asian megacities. In particular, reporting the relevant survey, modeling, and analysis with new empirical findings (as well as the relevant planning strategies and policy debates) are highly welcomed. The

Call For Papers – A Special Issue on Built Environment and Transportation in Asian Megacities in the journal *Asian Transport Studies*

topics of interest include, but are not limited to the following:

- ✓ Urban sprawl and private vehicle usage
- ✓ Access to public transport and its usage
- ✓ Car/motorcycle ownership and residential location
- ✓ Rural-urban migrant's residential location and travel behavior
- ✓ Residential segregations and travel mode use
- ✓ Impact of the built environment on informal transport usage

Papers dealing with urban and transportation issues in developed megacities are also encouraged, but should include a note on implications for developing megacities in Asia. Comparative studies between both developed and developing megacities are also welcome. Note that, in this special issue, the term “megacity” does not need to meet the definition of the United Nations, i.e., a metropolitan area with a total population of more than 10 million people. For example, Singapore, Taipei, Ho Chi Minh, and Kuala Lumpur are not megacities based on the United Nations' definition, but case studies from these cities would be considered for this special issue.

Articles submitted to this special issue must contain significant relevance to urban and transportation planning. Submitted articles should not be published or under review elsewhere. Authors are further advised to see the guidance (including instructions of paper writing) for *Asian Transport Studies* from the following URL.

[http://www.easts.info/publications/ats/Publication\\_Policy.html](http://www.easts.info/publications/ats/Publication_Policy.html)

**IMPORTANT DATES:**

Submission of full paper due: 31st March, 2016

Feedback from first phase reviews issued: 30th June, 2016

Revised manuscripts due: 31st August, 2016

Feedback from second phase reviews issued: 31st October, 2016

Final manuscripts due: 31st December, 2016

Planned publication: March, 2017 (Volume 4, Issue 3)

Manuscripts should be submitted electronically, as Word or PDF documents, to guest editors ([kato@civil.t.u-tokyo.ac.jp](mailto:kato@civil.t.u-tokyo.ac.jp), [chikaraishim@hiroshima-u.ac.jp](mailto:chikaraishim@hiroshima-u.ac.jp), [axhausen@ivt.baug.ethz.ch](mailto:axhausen@ivt.baug.ethz.ch)) by the deadline dates.