

Application Form  
 EAROPH 2015 Regional Seminar in Japan  
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Title of the Paper	
Choice of Session Number	1 Human Settlement---Ecology and Environment 2 Health and Tourism 3 Infrastructure and Development
Outline of the Paper	

(Sample for Full Paper)

## Urban Transportation Policy

Hirohide KONAMI ( Ph.D.)

Executive Director, Research Institute of National Land Policy

### 1. Hot issues on urban transportation in the world

#### 1-1 Transportation poor

Transportation poor means the inconvenience of transportation service not only in developing countries but also in developed countries.

First of all, the good transportation service requires transportation routes and facilities such as roads, railways, waterways, airways, canals, stations and ports. Then we need some transportation tools such as ships, carts, animal carts, bicycles, motorcycles, cars, buses, trucks, trains and airplanes. Also we need the skill, energy and management to perform good transportation services. These set up are not enough in under developing countries and people are facing the poor condition in transportation.

On the other hand, in developed countries, mainly aged or disabled people are facing the transportation poor because they cannot walk or drive cars by themselves any more. The freedom of movement is one of the fundamental human rights and the better transportation service is the worldwide basic need.

The idea of compact city like Freiburg in Germany may be one of the solutions for the problem and the introduction of some convenient transportation system like Jeepny in the Philippines or community bus system in Japan may be another solution.

#### 1-2 The need for environment friendly transportation system

Exhaust gas from automobile engine contains CO, NO<sub>2</sub>, SO<sub>2</sub>, Pb (lead) and suspended particulate matters and causes the serious air pollution problems in urban areas. It is also warned that the automobile exhaust gas causes the heat island phenomena in urban centers and is one of the big causes of photochemical oxidant problems.

Therefore, environment friendly transportation system such as the public bus or railway systems would be preferable in big cities and electric or hybrid cars would be the main transportation tools in small towns.

#### 1-3 Transportation safety, security and reliability.

The most important matter of transportation would be the safety and security. Because we move everyday and the shipping of daily food is the minimum need for human life. Traffic accidents and sea robbers may be one of the biggest problems in the world and the safe transportation system is the fundamental requirement for world trade and tourism.

It is also important to prevent the ferryboat accidents in developing countries.

Reliability of transport system is more important. They are time reliability, cost . . . .