

# INTERNATIONAL SEMINAR ON INTEGRATION OF SPATIAL COMPUTABLE GENERAL EQUILIBRIUM AND TRANSPORT MODELLING

- Economic modeling and application for urban policy -

## 1 Introduction

While so far in transport modelling the assumptions concerning product markets and labor markets have been rudimentary, also in economic geography models connection to the transport system models is done with little detail. Integrating economic geography models with transportation models still requires progress in

- The understanding of behavioral principles of the two subsystems:
- Mathematical modelling of joint passenger/freight systems,
- Estimation approaches for combined models
- Applications at global, national, regional and urban scale.
- Economic evaluations of transport projects in Europe and Asia.

The contributors will present recent development of this fields and further discussion. Different modelling issues will be introduced by speakers (origin of the problem, state of the art, solution paths, work needed) and discussed in the seminar.

Atsushi Koike (Kobe Univ.)

Lori Tavasszy (TUDelft)



## 2. Seminar Outline

Date	March-14 <sup>th</sup> , 2018
Venue	Kobe University Brussels European Centre (KUBEC), (Boulevard de la Plaine 5 Pleinlaan, 5th floor Bruxelles 1050 Brussel)
Host	Kobe University & TU Delft
Chairs	Professor Atsushi KOIKE, Kobe University Professor Lori Tavasszy, TU Delft

## 3. Conference Program (working titles, attendance to be confirmed)

### March 14<sup>th</sup>

#### **9:30-9:40 Opening Address**

Atsushi Koike (Kobe University)

#### **9:45-10:45 Session 1**

Hajime Seya (Kobe University), Hedonic approach for preference measurement in land use planning

Sander Onstein (TU Delft): Factors determining spatial logistics decisions

Atsushi Koike (Kobe University): Ethics for numerical analysis

#### **10:45-11:15 Coffee Break**

#### **11:15-12:15 Session 2**

Tomoki Ishikura (Tokyo Metropolitan University): SCGE applications for cost-benefit analysis: cases in Tokyo Metropolitan Area

Gonçalo Correia (TU Delft), Agent based model for land use-transport interaction

#### **12:15-13:15 Lunch Break**

#### **13:15-14:15 Session 3**

Christophe Heyndrickx (Transport & Mobility Leuven): Urban Spatial General Equilibrium Model

Toshimori Otazawa (Kobe University): Cause and effect analysis of transport investments

Lori Tavasszy (TU Delft): Logistics sprawl in the Netherlands – measurements and elasticities

#### **14:15-14:30 Closing Remarks**

Lori Tavasszy (TU Delft)

Atsushi Koike (Kobe University)

### March 15<sup>th</sup>

#### **9:00-12:00 Academic meeting for future cooperation**