

International Conference

“THE FUTURE OF HOCHIMINH CITY METROPOLITAN AREA”



Organised by VGU, sponsored by DAAD

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Time: September 24 – 25, 2015

Place: Vietnamese-German University, New Binh Duong City, Vietnam

1. INTRODUCTION

In recent years, developing countries like Vietnam are experiencing fast economic growth and associated rapid urbanization. In this context, Hochiminh city, the biggest metropolitan area of Vietnam, has been facing challenges in providing sufficient urban infrastructures and services to meet the needs of the development. Huge population concentration, high densities, mixed landuses, and lack of transport infrastructure and public transport services feature the city characteristics. As the result, it causes increased traffic congestions, accidents and pollutions. The city has spent efforts to solve the problems through infrastructure provision, urban planning and control, and traffic management measures. However, not all decisions can be made efficiently because there is a lack of information and in-depth knowledge about the dynamics that drive the future development of the city and tools that can be used to support sound decision-making processes.

Thanks to the support of German Academic Exchange Service (DAAD), the Vietnamese-German University (VGU), University of Transport and Communications (UTC),

and the project team of Real Time Monitoring of Urban Transport - Solutions for Traffic Management and Urban Development in Hanoi (REMON) are delighted to announce the 2nd International Conference on Integrated Modelling of Urban Dynamics and Traffic with a theme on “**The Future of Hochiminh City Metropolitan Area**” on 24-25 September 2015 at the Vietnamese-German University in Binh Duong New City, Binh Duong Province.

We would like to invite people from academia and practitioners to participate and present their relevant researches and practical works at the conference.

Following the success of the Conference on “the Future of Hanoi City” organized in University of Transport and Communications (UTC) in Hanoi in September 2014, the Conference on the Future of Hochiminh City Metropolitan Area will be a great opportunity for academicians, practitioners and experts worldwide to meet and share the key understanding of urban-transport dynamics and the modeling techniques, and seek for research cooperation opportunities in developing integrated modelling of urban-transport dynamics for developing cities. The outcomes of the conference will be a value added to the state-of-the-art of methods and algorithms used for calibrating, validating, and coupling the models.

2. CONFERENCE OBJECTIVES

The conference is a great opportunity to bring together people who are interested in urban modelling, transport modelling and their integration to support the decision-making and planning processes. Specifically, the conference is aimed to:

- Assess the state-of-the-art of the integrated urban-transport modelling.
- Identify the drivers of urban change and its impacts on traffic and transport system.
- Identify and bridge the gap between state of the art and the state of the practice of integrated urban-transport modelling.
- Assess data availability and introduce technologies for data collection.
- Define scenarios for the future development of Hochiminh city metropolitan area, as well as other major cities in Vietnam.
- Couple and integrate various models that used to simulate urban growths, traffic systems, and pollution outcomes. The state of the practice, the state of the art, deficits, challenges and possible solutions will be discussed.

3. CONFERENCE THEMATIC TOPICS

The conference covers the following thematic topics:

(i) Urban Development Trends & Issues

- Patterns and Determinants of Urban Expansion
- Urban Development & Climate Change
- System and Tools for Urban Development Management

(ii) Urban Transport Development Trends and Issues

- Travel Behavior & Behavioral Changes
- Public Transport Planning, Development & Management

- Non-motorized Transport Planning, Development & Management
- Theories and Control Methods for Mixed Traffic Flows
- Traffic Management Schemes, including Traffic Incident Management
- City Logistics & Freight Transport Management
- Traffic Safety Improvement & Environmental Protection

(iii) Integrated Land Use and Urban Transport

- Interactions between Urban Development and Transport Systems
- Concept and Models of Integrated Urban and Transport Development
- Transit-Oriented Development Potential & Measures
- Performance Measurement of Land-use and Transport Integration

(iv) Modelling & Simulation of Urban and Transport Dynamics

- Principles and Approach for Modeling Urban Growths
- Modelling of Travel Behavior Changes
- Modelling of Mixed Traffic Flows and Control Method Impacts
- Integrating Models of Urban Dynamics, Transport and Environment
- Scenarios for HCMC's Future Development
- Database & Data Collection Technologies

4. CONFERENCE DEADLINES

All papers will go through the submission and review process as follows:

- Call for Papers: 2 June 2015
- Paper submission: 31 July 2015
- Paper acceptance: 20 August 2015 (comments to be sent together)
- Revised paper submission: 10 September 2015
- Presentation submission: 15 September 2015
- Conference: 24-25 Sept 2015
- Publication printed: 15 December 2015