



## Transportation Planning Modeling Class

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June 4-5, 2008

### Two Day Course Description

This short course is designed for engineers, consultants, researchers and students in the fields of transportation system modeling, transportation and traffic analysis (such as the transportation demand forecasting, traffic impact studies, transportation planning and operations). This course presents the overview of the traditional four-step model process and its integrated applications. It contains topics including Surveys, Network Characteristics, Trip Generation Rates, Auto Occupancy, Trip Distribution, Mode Choice, Traffic Assignment, External Stations, Mobile Population, Transit Ridership and Validation etc. Its implementations in Emme will be discussed in term of macros, worksheets, GIS, tables and views. The first day of this course mainly focuses on planning process and modeling concepts. The second day mainly presents model implementation and integrated applications.

### 交通规划建模培训班 (土地使用, 交通需求预测, 四步骤模型与修正, 一体化实例剖析)

讲员: 宋兵 和 吴稼豪  
吴宋美加设计咨询(上海)有限公司  
2008年6月4-5日

#### 课程概述

该短期课程是专门为交通系统建模、交通规划和交通分析(如: 交通需求预测, 交通影响分析, 交通规划和运作)的规划师、工程师、咨询师、研究员和学生设计的。本课程概述了传统的四步模型的过程及其一体化应用。本课程的内容包括出行调查, 路网特性, 出行生成率, 汽车保有量, 出行分布, 方式划分, 交通分配, 对外站点, 流动人口, 公共交通分担率和模型校证等。我们将通过宏命令, 工作页面, GIS, 表格和视图来探讨在 Emme 中的具体应用。第一天, 主要侧重于规划建模过程与建模的概念。第二天, 主要介绍了模型的实施和一体化应用。

### Course Schedule (June 4-5, 2008) 课程安排 (6月4-5日)

#### June 4: 6月4日

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|-------------------|---|
| 9:00 - 9:10 a.m.  | Opening Remarks 序言  |
| 9:10 - 10:40 a.m. | Lecture 1: Overview of Transportation Planning Modeling Process |



	讲座 1: 交通规划建模过程的介绍
10:40 - 11:00 a.m.	Coffee Break 休息
11:00 - 12:30 p.m.	Lecture 2: Surveys, Network and Trip Generation 讲座 2: 出行调查, 路网建立及出行生成
12:30 - 1:40 p.m.	Lunch Break 午餐
1:40 - 3:10 p.m.	Lecture 3: Distribution, Mode Choice and Auto/Transit Assignments 讲座 3: 分布, 方式划分及汽车/公交分配
3:10 - 3:30 p.m.	Coffee Break 休息
3:30 - 5:00 p.m.	Lecture 4: Examples 讲座 4: 具体案例

### **June 5 : 6月5日**

9:00 - 10:30 a.m.	Lecture 5: Travel Demand Forecasting and Modeling with Emme 讲座 5: 出行需求预测及在 Emme 中的建模
10:30 - 10:50 a.m.	Coffee Break 休息
10:50 - 12:20 p.m.	Lecture 6: Modeling Implementation and Macros 讲座 6: 实施建模及宏命令
12:20 - 1:30 p.m.	Lunch Break 午餐
1:30 - 3:00 p.m.	Lecture 7: Regional Models and Model Calibration 讲座 7: 区域模型和模型校正
3:00 - 3:20 p.m.	Coffee Break 休息
3:30 - 5:00 p.m.	Lecture 8: Case Studies in Emme 讲座 8: Emme 中的案例研究, 包括 <ul style="list-style-type: none"><li>• Land Use Data Display 土地使用数据显示</li><li>• Link and Turn Count 路段及交叉口转弯实测流量</li><li>• GIS Display -GIS 显示</li><li>• Sub Area Modeling 子区域建模</li><li>• Multi-Class OD Estimation - 多模式 OD 反推</li><li>• Select Link Analysis 路径选择分析</li><li>• Export Model Results into Excel File 导出模型结果到 Excel 文件</li><li>• Develop Plots 出图</li></ul>