

An Introduction to  
**URBAN TRANSPORTATION PLANNING:**  
Challenges, Emerging Methods and New Solutions

**November 2-6, 2009**

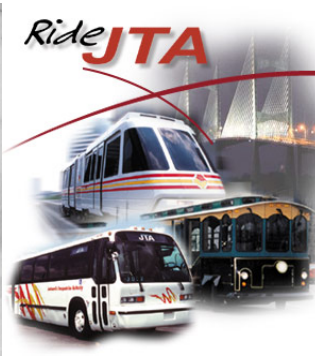
**Tampa, Florida**



Image used courtesy of the Amalgamated Transit Union

Sponsored by the  
**Florida Department of Transportation**

# Registration is now Open!



Former Professors from the Center for Urban Transportation Studies of the University of Wisconsin-Milwaukee and the University of Tennessee, in partnership with the Florida Department of Transportation and the Florida Public Transit Association, will conduct a week-long training seminar entitled “Urban Transportation Planning: Challenges, Emerging Methods and New Solutions”. The seminar will be at the Center for Urban Transportation Research (CUTR) at the University of South Florida in Tampa, Florida. A block of rooms has been reserved at the Embassy Suites hotel nearby. The hotel will provide a buffet hot breakfast each day. The course registration fee is \$135.00 which includes four lunches, a Wednesday evening meal, breaks and course handouts.

**Purpose** Changes in federal and state legislation and financial constraints on government programs have led to a renewed importance for transportation planning. Considerations of economic development, congestion management, concurrency, transit proportionate share, transportation control measures, energy and climate issues, funding limits and changing urban form have greatly increased the importance of well planned transportation facilities and policies. Since the quality and vitality of the urban environment relate directly to the nature of transportation facilities, few issues are so long-term in impact or so controversial in solution.

This short course will discuss the urban transportation planning process; its relationship to transportation facilities development; explain techniques of analysis and evaluation for transportation planning; and discuss means of achieving project and societal objectives. This short course will include workshop sessions and will introduce participants to the use of computer solutions to transportation planning and design problems. A special emphasis will be on the role of public transit in transportation planning.

The course is specifically designed for people who need a good overview of the transportation planning process and need to understand how information is used and generated in transportation plans. It is especially helpful to people who want understand the overall process behind travel models and forecasts

Individuals actively engaged in urban transportation technical or policy-making roles problems (urban and regional planners and modelers, traffic and transportation engineers, municipal engineers, consultants and other technically oriented personnel) are encouraged to participate in the course.

**This course will cover the following topics:**

- **The 4 step urban transportation planning process;**
- **Evaluation procedures**
- **Data requirements for transportation planning**
- **Travel demand forecasting;**
- **Trip generation**
- **Trip distribution;**
- **Transit planning;**
- **Mode split and auto occupancy;**
- **Traffic assignment;**
- **Energy trends and transportation**
- **Land use issues and,**
- **Future directions.**

**This course is a solid introduction and refresher to Urban Transportation Planning. It is also an opportunity to network with transit agency, local government, MPO and FDOT staff.**

**Register early if you wish to be accepted for attendance. Based on past experience, this class will close out very soon after this announcement.**

**If interested, Send an email with name, affiliation, contact information and method of payment to Edward Beimborn at [edward@beimborn.com](mailto:edward@beimborn.com) or [beimborns@sbcglobal.net](mailto:beimborns@sbcglobal.net) or call 262-377-5467**

**Payment must be received before the class starts. Payment can be by credit card at [www.beimborn.com/ed](http://www.beimborn.com/ed) or by check to Edward Beimborn, 8120 Pleasant Valley Rd., Saukville, WI, 53080**

**Hotel room reservations should be early, A reduced room rate is available until October 23 at the Embassy Suites Hotel (call 813-977-7066), ask for the UTP rate**



## Schedule Monday

- 8:30 **Introduction to Course:** Areas of Concern
- 10:00 **Urban Transportation Planning Process:** Overview; decision based planning, Steps, Evaluation procedures
- 12:00 **Lunch**
- 1:00 **Travel Demand Forecasting Overview:** Four step process, network development, data requirements for forecasting
- 3:30 **Travel Forecasting Data Needs:** Network development; travel trends and patterns
- 5:00 **Adjourn**

## Tuesday

- 8:30 **Population, Economic and Land Use Forecasting**
- 10:30 **Trip Generation**
- 12:00 **Lunch**
- 1:00 **Trip Distribution:** Gravity model; overview; growth factor methods
- 4:00 **Transit Planning:** Transit planning process; benefits of transit, demand characteristics, performance indicators; transit alternatives
- 5:00 **Adjourn**

## Wednesday

- 8:30 **Transit Planning** (continued) design of new services; route/cost relationships; short term demand estimation
- 11:30 **Transit CAI** (Computer Aided Instruction) **Workshop**
- 12:00 **Lunch**
- 1:00 **Transit Route Analysis:** alternatives, cost estimates:
- 2:30 **The Belle Urban Crisis Transit Planning Workshop**
- 5:00 **Adjourn**

## Thursday

- 8:30 **Discussion of Transit Workshop Recommendations**
- 10:30 **Mode Split/Auto Occupancy**
- 11:30 **Travel model demonstration**
- 12:00 **Lunch**
- 1:00 **Update on tools for transit analysis**
- 2:00 **Energy and Climate Issues**
- 3:30 **Traffic Assignment:** Path finding; equilibrium concepts; delay relationships; calibration; assignment workshop; use of results for impact analysis
- Adjourn**

## Friday

- 8:30 **Traffic Impact Analysis**
- 9:30 **Land Use Planning and Policy**
- 10:30 **Future Directions:** Process; models; alternatives
- Adjourn**

# To Register

## An Introduction to Urban Transportation Planning

Four Convenient Ways to Register

### By Mail:

Edward Beimborn  
8120 Pleasant Valley Rd,  
Saukville, Wisc., 53080

### By Phone:

(262) 377-5467

### By Internet

Go to

[www.beimborn.com/ed](http://www.beimborn.com/ed) :  
and register via pay pal

### By E-Mail:

[edward@beimborn.com](mailto:edward@beimborn.com) or  
[beimborns@sbcglobal.net](mailto:beimborns@sbcglobal.net)

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Agency: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Daytime Phone \_\_\_\_\_

E-Mail: \_\_\_\_\_

**Course Fee:** \$135 (does not include lodging). This course is sponsored by the Florida Department of Transportation and is primarily intended for residents of the State of Florida. A very limited number of seats may be available for others on special request.

Make checks payable to Edward Beimborn

Credit cards payable on line at [www.beimborn.com/ed](http://www.beimborn.com/ed):



### Course Location:

Center for Urban  
Transportation Research  
University of South Florida  
Tampa, Florida

## Instructors

The course will be taught by individuals with over 75 years of experience in urban transportation planning and travel forecasting. These are:

**Dr. Edward A. Beimborn**, Professor Emeritus of Civil Engineering, University of Wisconsin – Milwaukee. Dr. Beimborn has worked and written extensively on land use issues, planning methodologies, mass transit and evaluation techniques.

**Dr. Frederick Wegmann**, Research Professor of Civil Engineering, University of Tennessee. Dr. Wegmann is an expert on travel forecasting. He has been involved in planning studies, transportation research and professional training for over 30 years.

<b>General Information</b>	<b>Program Director:</b>	Edward Beimborn, Professor Emeritus and Former Director, Center for Urban Transportation Studies, College of Engineering and Applied Science, University of Wisconsin – Milwaukee.
	<b>Program Information:</b>	For more information e-mail to <a href="mailto:edward@beimborn.com">edward@beimborn.com</a> or <a href="mailto:beimborns@sbcglobal.net">beimborns@sbcglobal.net</a> or call 262-377-5467
	<b>Dates:</b>	<b>November 2-6, 2009</b>
	<b>Fee:</b>	\$135 – the registration fee includes hand-out materials for the course, four lunches, an evening meal, and breaks. Make checks payable to Edward Beimborn or register on line at <a href="http://www.beimborn.com/ed">www.beimborn.com/ed</a>
	<b>Lodging:</b>	A block of rooms has been reserved at the Embassy Suites Hotel on the USF campus 3705 Spectrum Boulevard, Tampa, Florida, USA, 33612 1-813-977-7066 <b>ask for the UTP rate, before Oct 23</b>
	<b>Deadline:</b>	Registration deadline is <b>Monday, October 19, 2009 or when the course is filled. Registrations are not final until payment is received.</b> Register as soon as possible to attend the workshop (it does fill up very quickly). Class is limited to 22 people and there is absolutely no registration at the door.
	<b>Refund:</b>	If this program is canceled for any reason, registrants will receive a full refund. If you cancel, and no one else from your agency is able to come in your place, please notify us at least fourteen (14) days in advance of the program date to arrange for a refund. Cancellations after that cannot be refunded.
	<b>Note:</b>	Please advise us at registration if you require special accommodations and/or meals. Requests will be kept confidential. We reserve the right to cancel the workshop due to insufficient enrollment. Before making nonrefundable airline ticket purchases, contact the program director.

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