

# Upcoming Training Class

## Synchro and SimTraffic



The Institute for Transportation Research and Education (ITRE) at North Carolina State University is pleased to present an intense, **two-day workshop using Synchro and SimTraffic on October 28-29, 2009**. This course covers the Synchro 7 signal timing software used to perform capacity analysis for signalized intersections and the SimTraffic 7 microscopic simulation model.

Class size is limited to twelve participants and will fill up fast. Each participant will be provided a PC workstation with Synchro Studio 7 installed for use with the hands-on class problems and examples. Chris Cunningham, P.E. and Bastian Schroeder, Ph.D. will be the instructors for this course.

### LEVEL I CLASS

The purpose of the Level I class (2 days) is to fully describe the inputs and to focus on the outputs for Synchro and SimTraffic. The topics to be covered are:

- Input Requirements
- Analysis of Individual Intersections
- Network Analysis and Optimization
- Introduction to SimTraffic/3D Viewer
- Synchro Time Space and Platoon Dispersion Diagrams
- Synchro and SimTraffic Reports
- Advanced Inputs
- Advanced Timing Principles
- Optimization and Calculations
- Advanced features of SimTraffic
- Question and Answers

### CONTINUING EDUCATION

Each participant will receive 7.0 Professional Development Hours (PDHs) for each day attended, which will be noted on their training certificate.

### DATE

October 28-29, 2009

### LOCATION

The course will be taught at ITRE in the Computer Lab, room 3425. Specific classroom details and directions will be given by confirmation via e-mail **two weeks** prior to the workshop.

### REGISTRATION FEE

Classes will begin at 8:30 a.m. and adjourn at 4:00 p.m. each day. The registration fee for this class is \$350. **Lunches and breaks will be provided.**

Registration should be completed at <http://www.itre.ncsu.edu/HWY/education/synchro.html>. Should you register and later find you won't be able to attend, you may transfer your registration to a colleague or request a refund. Cancellations will be accepted until October 7, 2009, 5pm, but are subject to a \$50.00 administration fee. No refunds will be issued after that date.

*For additional registration information, please contact Christie Vann at [cdvann@ncsu.edu](mailto:cdvann@ncsu.edu) or (919) 515-8767.*

Any questions regarding this *course content* or to schedule a potential course at an alternate location should be directed to Chris Cunningham at [cmcunnin@ncsu.edu](mailto:cmcunnin@ncsu.edu) or (919) 515-8562.

### FUTURE CLASSES

ITRE is tentatively scheduled to teach a "Synchro for Managers" workshop in late January 2010. Please email Chris and/or Christie if interested in this potential course offering.