

## CANCELLATION

No refunds for cancellations after March 4th 2008. There is a \$50 administrative fee for cancellations made in writing before March 4th 2008. The university reserves the right to cancel the workshop if there is insufficient registration.

## WORKSHOP LOCATION

UCF COLLEGE OF ENGINEERING  
ENGINEERING BLDG. 2  
HARRIS COMPUTER LAB  
ROOM 201H, ORLANDO. FLORIDA 32816

A campus map and campus parking instructions will be emailed to registrants.

## REGISTRATION

The registration fee includes instruction, course materials, refreshment breaks and lunches. Advance registration must be received by Feb 29, 2008. Mail the registration form within this announcement or fax your registration to (407) 882-0244. Registrations received after this date accepted on a space available basis only.

### 2.1 CONTINUING EDUCATION UNITS

## ACCOMMODATIONS

The Radisson on 1724 Alafaya Trail has reserved a block of rooms for this workshop at a rate of \$93.00 per night.

To receive discount, reservations must be made by Feb. 11, 2008. There will be complimentary transportation from the hotel to UCF.

To make you reservations please call 407-658-9008, and mention Timing Traffic Signals or online at [www.radisson.com/orlandofl\\_university](http://www.radisson.com/orlandofl_university), use the code TTS.

## COURSE INSTRUCTOR

**Dennis Strong** is President of Strong Concepts, Northbrook, Illinois. The firm's primary area of practice is in the development of integrated traffic engineering software and training. Mr. Strong's principal area of expertise is in traffic signal control systems and in the computer software related to this field. He has over 30 years of professional experience in these areas, and is the developer of the following software used in the course: **Visual TEAPAC Version 7, SIGNAL2000, NOSTOP, PREPASSR, PRETRANSYT and PRENETSIM**. Mr. Strong is a registered professional engineer (PE) in Illinois, a professional Traffic Operations Engineer (PTOE), and is the past chair of the Highway Capacity sub committee for signals.

## COURSE DIRECTOR

**Essam Radwan** (CATSS executive Director) is Professor and Chair of the Civil and Environmental Engineering Department at University of Central Florida. He also serves as the Director of the Center for Advanced Transportation System Simulation. Dr. Radwan has over 30 years of teaching and research experience in the field of traffic engineering. His area of expertise is computer applications in traffic operations.



## COURSE SCHEDULE

### Designing Optimized Traffic Signals and Systems Using Visual TEAPAC, PASSER, TRANSYT and CORSIM

<b>Registration</b>	7:30 a.m. - 8.30 a.m. March 11, 2008
<b>Course</b>	8:30 a.m. - 5:00 p.m. March 11-13, 2008

## NOTICE OF NONDISCRIMINATION:

University of Central Florida is committed to a policy of nondiscrimination on the basis of race, sex, national origin, disability, religion, age, or other nonmerit reasons, in admissions, educational programs or activities and employment, all as required by applicable laws and regulations. Responsibility for coordination of compliance efforts and receipt of inquiries, including those concerning Title IX of the Education Amendment (of 1972 and Section 504 of the Rehabilitation Act of 1973, has been delegated to Janet Balaanoff, Director, Equal Opportunity/Affirmative Action Program, University of Central Florida, Orlando, Florida 32816.

## SPECIAL ASSISTANCE

University of Central Florida is dedicated to making conference activities accessible to all persons. To increase our ability to assist you in finding necessary services, please contact Maria Cherjovsky, by March 4, 2008 at (407) 882-0260, if you have special dietary needs or are physically limited. Also, please list your needs on the registration form.

All such information will be held in strictest confidence.

## REGISTRATION FORM

Designing Optimized Traffic Signals and Systems Using Visual TEAPAC, PASSER, TRANSYT and CORSIM  
March 11-13, 2008

### Four Easy Ways to Register

1. CALL: (407) 882-0260
2. FAX: (407) 882-0244
3. MAIL: UCF, Division of Continuing Education  
12565 Research Pkwy.  
UTC Suite 390  
Orlando, FL 32826
4. Web Address: [www.ce.ucf.edu](http://www.ce.ucf.edu)

**CANCELLATION/REFUND POLICY:** Requests should be submitted in writing by March 4, 2008. A \$50 Administration fee will be assessed - no refunds will be approved after the deadline.

Please complete this form and return it with your payment or a copy of your Purchase Order. Questions about registration should be directed to the Division of Continuing Education, at (407) 882-0260 or fax to (407) 882-0244.

Name \_\_\_\_\_

Title/Position \_\_\_\_\_

Organization \_\_\_\_\_

Address \_\_\_\_\_

City State Zip \_\_\_\_\_

Work Phone Home Phone \_\_\_\_\_

E-Mail Address \_\_\_\_\_

— **Timing Traffic Signals Fee \$995 includes 2.1 CEU's units**

— **Register 3 or more attendees, Fee \$895 and receive \$100 off each registration!**

Please indicate payment amount and method.

Check for \$ \_\_\_\_\_ made payable to University of Central Florida. (\*Print name, address, and telephone number on front of check.)

Company Purchase Order (P.O.) # \_\_\_\_\_

Charge the amount of \$ \_\_\_\_\_ to my  VISA  Mastercard  AMEX

Card # \_\_\_\_\_ Exp. Date \_\_\_\_\_

Print Name on Card \_\_\_\_\_

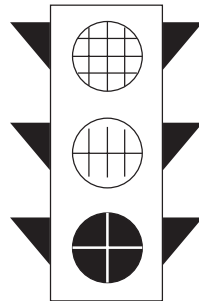
Authorized Signature \_\_\_\_\_



presents

**Designing Optimized Traffic Signals and Systems Using Visual TEAPAC, PASSER, TRANSYT and CORSIM**  
**March 11-13, 2008**

University of Central Florida  
Orlando, Florida



**Sponsored by  
College of Engineering  
Department of Civil  
& Environmental  
Engineering &  
The Division of  
Continuing  
Education**



**Designing Optimized Traffic Signals and Systems Using Visual TEAPAC, PASSER, TRANSYT and CORSIM**

**WHO SHOULD ATTEND**

This three-day concentrated course is designed to meet the needs of traffic engineers, planners and technicians developing signal timing plans for isolated intersections, arterials and networks, either for operations, design or planning studies. Instruction will be in lecture format, combined with demonstrations and actual use of computers and software. Participants should have some basic knowledge of traffic engineering. Previous experience with microcomputers is not required.

**COURSE DESCRIPTION**

The goal of this short course is to provide participants with a comprehensive understanding of different signal timing methods, familiarity with a variety of software packages for these methods, and the background to select the appropriate method to solve real signal timing problems.

The course consists of lectures, numerical exercises and “hands-on” use of microcomputers. Lectures will cover the basics of timing traffic signals and realistic numerical examples. Exercise problems will supplement the lecture, and the use of selected computer software will provide participants with an opportunity to become familiar with available software.

The course will focus on terminology, method, data requirements and application software in the following areas: **ISOLATED INTERSECTIONS, ARTERIAL STREETS and NETWORKS**. Software to be utilized in the course includes: **Visual TEAPAC Version 7, SIGNAL2000, NOSTOP, PASSER II-02, PREPASSR, PRETRANSYT, TRANSYT-7F, TRAF-NETSIM/CORSIM, and PRENETSIM**.

This is a highly informative program in which discussion questions and queries about specific problems are encouraged. Significant features include:

- Relevant content designed to be responsive to individual needs
- Limited enrollment for maximum interchange
- Valuable contact with other traffic professionals

Participants will receive certificates of participation indicating the number of contact hours completed.

**I. Introduction**

**II. Timing Individual Intersections**

- 2000 HCM Capacity Analysis
- SIGNAL2000 Timing and Phasing Optimization
- SIGNAL2000 Hands-on Exercise
- Recommended Procedures

**III. Simulation and Animation**

- CORSIM Simulation and Animation
- PRENETSIM Simplified Inputs and SIGNAL2000 Integration
- PRENETSIM/CORSIM Hands-on Exercise
- Recommended Procedures

**IV. Simplified Arterial Bandwidth Optimization**

- Bandwidth Optimization Techniques
- NOSTOP Cycle and Offset Optimization
- NOSTOP Hands-on Exercise
- Recommended Procedures

**V. Complete Arterial Bandwidth Optimization**

- PASSER-II Bandwidth Optimization
- PREPASSR Simplified Inputs and SIGNAL2000 Integration
- PREPASSR/PASSER Hands-on Exercise
- Recommended Procedures

**VI. Comprehensive Arterial Optimization, Simulation and Animation**

- Limitations of Bandwidth Methods
- TRANSYT-7F Simulation and Optimization
- PRETRANSYT Simplified Inputs and SIGNAL2000/PRENETSIM Integration
- PRETRANSYT/TRANSYT Hands-on Exercise
- Recommended Procedures

**VII. Special Optimization Situations**

- Diamond Interchange Optimization with SIGNAL2000/PRETRANSYT/TRANSYT
- Non-arterial and Grid Systems
- Actuated Signals
- Double-cycled Signals
- Recommended Procedures

**VIII. Summary and Course Evaluation**

**NEW MATERIAL: Visual TEAPAC and SCENARIO Manager**

University of Central Florida  
Division of Continuing Education  
12565 Research Pkwy.  
UTC Suite 390  
Orlando, FL 32826

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