

CANCELLATION

No refunds for cancellations after March 2, 2009. There is a \$50 administrative fee for cancellations made in writing before March 2 2009. 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 February 27, 2009. 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 \$95.00 per night. To receive discount, reservations must be made by February 16, 2009. There will be complimentary transportation from the hotel to UCF.

To make you reservations please call 407-658-9008, and mention Designing Optimized Traffic Signals or online at www.radisson.com/orlandofl_university, use the code DOTSAS.

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: **TEAPAC Complete** (SIGNAL2000, NOSTOP and Export/Import functions). 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 is Professor and Executive Associate Dean of the College of Engineering and Computer Science at University of Central Florida. He also serves as the Executive Director of the Center for Advanced Transportation System Simulation (CATSS). 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 TEAPAC Complete, PASSER, TRANSYT and CORSIM

Registration	7:30 a.m. - 8.30 a.m. March 10, 2009
Course	8:30 a.m. - 5:00 p.m. March 10-12, 2009

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 2, 2009 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
TEAPAC Complete, PASSER, TRANSYT and CORSIM
March 10-12, 2009

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

CANCELLATION/REFUND POLICY: Requests should be submitted in writing by March 2, 2009. 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

_____ **Designing Optimized Traffic Signals** Fee \$795
includes 2.1 CEU's units

_____ **Register 2 or more attendees** Fee \$695
or Government Employees
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

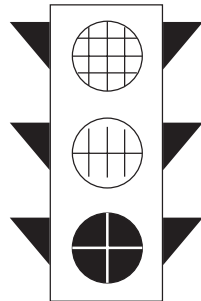
Authorized Signature



presents

Designing Optimized Traffic Signals and Systems Using TEAPAC Complete, PASSER, TRANSYT and CORSIM
March 10-12, 2009

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 TEAPAC Complete, 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.

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: **TEAPAC Complete (SIGNAL2000, NOSTOP and Export/Import Functions), PASSER-II, TRANSYT-7F and CORSIM**.

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

- Using **TEAPAC Complete**

II. Timing Individual Intersections

- **2000 HCM** Capacity Analysis
- **TEAPAC** Timing and Phasing Optimization
- **TEAPAC** Signal Analysis Hands-on Exercise
- Recommended Procedures

III. Simulation and Animation

- **CORSIM** Simulation and Animation
- **TEAPAC** Simplified Inputs and Integration
- **TEAPAC/CORSIM** Hands-on Exercise
- Recommended Procedures

IV. Simplified Arterial Bandwidth Optimization

- Bandwidth Optimization Techniques
- **TEAPAC** Progression Optimization
- **TEAPAC** Progression Hands-on Exercise
- Recommended Procedures

V. Complete Arterial Bandwidth Optimization

- **PASSER-II** Bandwidth Optimization
- **TEAPAC** Simplified Inputs and Integration
- **TEAPAC/PASSER** Hands-on Exercise
- Recommended Procedures

VI. Comprehensive Arterial Optimization, Simulation and Animation

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

VII. Special Optimization Situations

- Diamond Interchange Optimization with **TEAPAC** and **TRANSYT**
- Non-arterial and Grid Systems
- Actuated Signals
- Double-cycled Signals
- Recommended Procedures

VIII. Summary and Course Evaluation

NEW MATERIAL: TEAPAC Complete

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

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