

Course Summary

This one-day computer lab workshop is designed to empower surveyors to post process their own single point or pair of points solutions for local survey projects that require NAD83 coordinates, using free and demonstration software.

Those who have taken the course should be able to post process raw static GPS observations provided by themselves or others. Surveyors who formerly contracted out GPS and paid for the post processing might be able to comfortably contract out only for GPS data collection. Survey technicians will gain marketable skills for applying in their survey firm.

The Presenter

John Doody, PLS/PE, is an adjunct faculty member at Central Connecticut State University, Department of Civil Engineering Technology, teaching courses in GPS and Advanced Surveying. He received his MS Environmental Engineering and BS Civil Engineering from the University of New Haven. John is the chair of the professional development committee at CALS, and secretary for the New England Section, ACSM.

During his career at the Connecticut Department of Transportation, John used GPS for control purposes on numerous occasions, and is familiar with Topcon, Trimble and OPUS-RS GPS post-processing software packages. He has previously presented a computer lab workshop on tidal boundary determinations. If you have any questions about this seminar please contact me directly at jjdoody@snet.net or 203-933-3850.

Teaching Methods

Lecture by instructor, hands on post processing of raw GPS data through internet and PC based software. Analysis and discussion of results. My interest is to have participants working on the computer most of the class.

Learning Objectives

The purpose of this workshop is to develop a working knowledge of post processing methods and software, such that the participant can successfully post process single point solutions, 3D.

Schedule

- 8:00am - 8:30am - Registration
- 8:30am - 10:00am - Intro, field work errors, post processing terminology, RINEX format, and work flow. Internet resources for post processing.
- 10:00am - 10:15am - Coffee/Water break
- 10:15am - 12:00pm - Position determination with OPUS-RS on the internet, processing and analyzing a real world example, 3D. Introduction and setup using Topcon Tools.
- 12:00pm - 12:45pm - Lunch
- 12:45pm - 2:15pm - Topcon Tools, real world 2D solution.
- 2:15pm - 2:30pm - Soda/Water break
- 2:30pm - 4:00pm - Topcon Tools, real world elevation solution.

Costs, Refunds, Cancellation Policies

Registration fee for the workshop: \$200 (CALS members) \$280 (non-members). Full refunds for cancellations made 48 hours prior to the workshop.

NOTE: Up to 5 seats will be reserved for current members of CALS who are unemployed. The cost of the seminar will be \$15. Please provide a copy of your unemployment document with your registration. Seat will be filled on a first come first serve basis.

Length of Course Activity

The workshop consists of 6.25 contact hours of actual instruction (not including breaks, lunch and registration.).

PLEASE BRING: a USB port drive, a calculator, and know how to access your email from the internet, to receive your OPU-RS solutions. A resource CD-ROM will be provided with all programs and GPS files as well as power point presentations.

REGISTRATION : GPS POST-PROCESSING HANDS ON WORKSHOP

Name: _____ Company: _____
Address: _____ Phone: _____
City: _____ State : _____ Zip: _____
Email: _____ If unemployed check line _____

Registration Fee \$200 for members*. Non-member Fee: \$280 (includes 1 year associate membership, CALS & NES) . Unemployed member \$15. includes continental breakfast and lunch, resource CD and written resources. Free parking.

*Registration fee for all members of New England Professional Surveying Societies
Phone (860) 563-1990 Fax (860) 529-9700 email kathy@ctsurveyor.com
Make Check Payable to : CALS and send to CALS, 78 Beaver Road, Wethersfield, CT 06109

Directions:

From I-84 (Waterbury – East) Exit 35 (left exit) to Route 72 East. Take Exit 9 - Main Street. At end of the exit take a right. At the next light take a right onto Chestnut Street and another right onto Main Street. ITBD is a red brick building located on the right just past ‘Subway’.

From I-84 (Hartford – West) Exit 39A to Route 9 South. Take Exit 27 – Chestnut Street (left exit). At the end of the exit take a right onto Chestnut Street and proceed to the third light. Take a right onto Main Street. ITBD is a red brick building located on the right just past ‘Subway’.

From the South (Routes 9, 91 or 15) Go north on route 9 to Exit 26 – Downtown New Britain. Go straight at the end of the exit take a left at the following traffic light (CVS is on the corner) onto Chestnut Street. Take your second right onto Main Street. ITBD is a red brick building located on the right just past ‘Subway’.

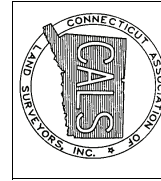
Parking:

Parking is available in the Municipal Parking Garage in back of the ITBD building (access is on Chestnut Street just south of Main Street). Bring your ticket with you to be stamped for free parking

Map:
<http://www.ccsu.edu/itbd/directions/default.htm>

SECURING THE FUTURE THROUGH EDUCATION

CALS
78 Beaver Road
Wethersfield, CT 06109



**Connecticut Association
of Land Surveyors & New
England Section ACSM
Present:**

**GPS POST-PROCESSING
HANDS ON WORKSHOP**

Wednesday, July 22, 2009

**CSU Institute for Technology
and Business (ITBD)
185 Main Street
New Britain, CT**

**Professional Workshop PDH credit for
VT, NH, RI & ME**

For more information:

**jjdoody@snet.net
203-933-3850**