

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 park in the Municipal Parking Garage on the right just before the Police Station.

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’. Take a left on Chestnut Street and park in the municipal Parking Garage on the left just past the Police Station.

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 into the Municipal Parking Garage just before the Police Department on the right..

Parking:

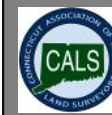
Parking is available in the Municipal Parking Garage in back of the ITBD building (access is on Chestnut Street just south of Main Street). Bring your ticket with you to be stamped for free parking.

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

SECURING THE FUTURE THROUGH EDUCATION



Connecticut Association of Land Surveyors, Inc.
78 Beaver Road, Suite 2-J
Wethersfield, CT 06109



The Connecticut Association of Land Surveyors Professional Development Seminar

Low-Distortion Projections: SPCS in 2022

Presented by
Prof. Thomas H. Meyer, PhD
President AAGS

Friday, March 22, 2019
8:30 am - 3:30 pm

CCSU Institute for Technology
& Business (ITBD)
185 Main Street,
New Britain, CT

Professional Workshop
PDH/CEU credit
VT, RI, ME 5.75 PDH,
NH 1.4 CEU, NY .57 CEU

For more information:
jjdoody@snet.net
203-933-3850

Course Summary

NGS will replace NAD 83, NAVD 88, GEOIDxx, and SPCS83 in 2022. This seminar covers NGS's motivation for the changes, gives an overview of the changes, especially focusing on the new SPCS. Most notable, the new SPCS is a "low-distortion projection" (LDP). The current SPCS is presented for contrast, and the new LDP is presented and analyzed. We end with tips for how to use the new system.

The Presenter



Thomas H. Meyer was awarded a Ph.D. from Texas A&M University in College Station, Texas in 1998, where he was a research associate in the Mapping Sciences Laboratory. He now is a University Teaching Fellow and a professor of geodesy in the Department of Natural Resources and the Environment at the University of Connecticut, where he teaches courses in land surveying, geomatics, GNSS surveying, geodesy, and spatial statistics. Dr. Meyer is a Fellow and the 2016/2019 President of the American Association for Geodetic Surveying, a member of the American Society of Civil Engineers, and the Connecticut Association of Land Surveyors. Dr. Meyer is on the editorial boards of the *Journal of Surveying Engineering* and *Surveying and Land Information Science*, has published an undergraduate textbook on geodesy, and numerous peer-reviewed journal articles. He is a regular presenter at national meetings, giving workshops and seminars on numerous topics in geodesy, GNSS, and surveying.

Schedule

- 8am - 8:30am Registration, Coffee
- 8:30am– 9:30am
 - Introduction
 - Motivation for the SPCS
- 9:30am– 10:15am
 - Review of coordinates
 - Review of map projections, especially scale factors
- 10:15am-10:30am Coffee Break
- 10:30am-Noon
 - The SPCS
 - The new reference frame
- Noon—12:45pm Lunch on premises
- 12:45pm—2:00pm
 - Using SPCS
- 2:15pm-3:30pm
 - LDPs and the way forward

Costs, Refunds, Cancellation Policies

Registration fee for the workshop: \$200 for CALS members, \$250 non-members, \$25 students. Members of other state surveying societies are welcome. Full refunds for cancellations made 48 hours prior to the workshop.

Learning Objectives

Understanding the need and motivation for State Plane System, how geodesy has progressed since its inception and how that has led to its replacement. What is a Low-Distortion Projection, and how will we use it.

**Professional Workshop
PDH/CEU credit
VT, RI, ME 5.75 PDH,
NH 1.4 CEU, NY .57 CEU**

REGISTRATION: Low Distortion Projections: SPCS in 2022 March 22, 2019

Name: _____ Company: _____
Address: _____ Phone: _____
City: _____ State: _____ Zip: _____
Email: _____ Exp. Date _____ Code _____
Credit Card No. _____
Signature _____

Registration Fee for all members of New England & NY Professional Surveying Societies \$200, \$250 non-members, \$25 students. Includes continental breakfast, lunch, free parking & handouts.

Make Check Payable to : CALS and send to 78 Beaver Road, Suite 2-J, Wethersfield, CT 06109