

# RTK Basic Operation and Troubleshooting

## COURSE DESCRIPTION

Real Time Kinematic (RTK) is the most common method for the use of GPS in Land Surveying today. This course will explain to the novice or intermediate user the basics of RTK surveying, as well as the definition of relevant terms.

Topics covered include how to set up the equipment, check the radio performance, search for sources of error and troubleshoot the RTK performance. By the end of the seminar attendees will be able to recognize and correctly use common RTK terms, identify components and functions of an RTK system, assemble a virtual RTK system, determine where to set up a base station – receiver and radio, and determine the radio range on a quad map. The course will prove useful to those wishing to learn more about this valuable surveying tool.

## ABOUT THE SPEAKER

Jim Gillis, NSLS, CLS, RPLS, has been qualified as a land surveyor since 1974. He holds commissions as a Nova Scotia Land Surveyor, a Canada lands Surveyor and a Registered Professional Land Surveyor in Texas. Jim has achieved Associates Degrees/diplomas in Land Surveying and Geophysical Surveying from the College of Geographic Sciences. For more than 30 years, Jim has practiced throughout North and South America and the Middle East and has been using GPS since 1991. He is Chair of the TSPS Symposium & Seminars Sub-Committee.

## REGISTRATION FEES

RPLS: TSPS Member **\$125** \*\* Non Member **\$150**  
Paraprofessional: TSPS Member **\$75**  
\*\* Non Mem **\$100**

**(\$25 late fee applied on Sept. 21 and after)**

Registration includes Continental breakfast, buffet luncheon and  
**4 CEUs.**

## HOW TO BECOME A MEMBER

Join on line @ [www.tsps.org](http://www.tsps.org)

The **2nd Annual Chapter 2 Golf Outing** will be held at the same venue and begins at 2 p.m. Contact Ronna Stenger at [ronna@geotx.com](mailto:ronna@geotx.com) for tournament registration information, or visit [www.tsps.org/Chap2Golf.doc](http://www.tsps.org/Chap2Golf.doc).

## HOW TO REGISTER for SEMINAR

Register on line @ [www.tsps.org](http://www.tsps.org)  
or

Mail or FAX this form to TSPS  
**(Telephone registrations not accepted.)**  
**Register early – limited seating**

## CANCELLATION PROCEDURE

A refund minus \$25 Admin Fee will be made if faxed or written notice is received by Friday,  
Sept. 25.

**(Telephone cancellations not accepted.)**

TSPS reserves the right to cancel a program if attendance does not meet the minimum required number of students.

## SEMINAR SITE

**(Wednesday, Sept. 30, 2009)**

Trophy Club Country Club  
500 Trophy Club Drive  
Trophy, Texas  
Call 817-837-1900 for directions

Yes! I would like to attend the  
*RTK Basic Operation and Troubleshooting* seminar held  
at **8:00 a.m. Wednesday, Sept. 30, 2009** at the  
**Trophy Club Country Club, Trophy, Texas.**

*Please print!*

Member of TSPS? Member # \_\_\_\_\_  
(necessary for member rate)

First Name \_\_\_\_\_

Last Name \_\_\_\_\_

Company Name \_\_\_\_\_

Business Address \_\_\_\_\_

City \_\_\_\_\_

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

Phone (\_\_\_\_) \_\_\_\_\_

Fax (\_\_\_\_) \_\_\_\_\_

Email \_\_\_\_\_

RPLS # \_\_\_\_\_ PE # \_\_\_\_\_



Please contact the TSPS office at 512/327-7871 if you have a disability that may require an accommodation.

## Method of Payment:

Check # \_\_\_\_\_ Amount Paid \$ \_\_\_\_\_

Mastercard  Visa  Amex

Amount to be charged \$ \_\_\_\_\_

Account Number \_\_\_\_\_

Expiration Date \_\_\_\_\_

Name on card \_\_\_\_\_

## Mail or Fax to:

**TSPS**  
**2525 Wallingwood Dr., #300**  
**Austin, TX 78746**  
**FAX: 512/327-7872**  
**Phone: 512/327-7871**

