



## **GIS & GPS Data Acquisition for Trails Information**

**Pre-conference Workshop**

**Wednesday, April 18, 2012**

**8:00 a.m. to 12:00 p.m.**

### **Presenters:**

*Dave Everett*, Trail Crew Leader, Santa Barbara Front Country Trail System

*Paul Veisze*, Geographic Information Officer, California State Parks

### **Background:**

Handheld GPS technology has come a long way in the past few years. What was possible with only complicated and expensive GIS equipment is now starting to be possible with handhelds. This 4 hour workshop is for beginning and intermediate users of GPS, Google Earth, Smartphones, and related technologies applicable to trails mapping and information sharing. Utilizing handheld GPS devices, attendees will learn basic, hands-on data collection and map creation, including: using GPS to record trail features, using Google Earth to identify features and upload them to a GPS device, and using the GPS to navigate to features. An introduction to online resources for assessing natural resources will also be provided. Emphasis will be on practical methods and easy to use software for data sharing among agencies, trail organizations, and the public.

The workshop will be a combination of indoor classroom instruction and outdoor field exercises in Warner Ranch Park, located one block south of the Marriott.

A limited number of GPS hand-held units and digital cameras will be available for use during the workshop or you may bring your own.

Box lunch will be provided.

The GIS & GPS Workshop is timed to allow participants to join an excursion at 1:00 p.m. that would enable practice of newly acquired GPS/GIS and photography skills during the tour. "Explore an Urban Trail" is a bus and walking trek along a 14-mile route that parallels an urban hiking and biking trail, requiring only \$3 for bus fare.

**If you have special mobility needs or other accessibility concerns, please notify us no later than Monday, April 2nd, so we can make arrangements to accommodate your needs.**

**Presenter Bios**

**Dave Everett**, M.P.T. Physical Therapist, Santa Barbara Trail Volunteer Crew Leader and co-founder of the Multiuse Trails Coalition. Dave has been involved in maintaining the Santa Barbara Front Country Trail System for the past decade and leading trail volunteer groups since 2009. Sustainable trail care techniques have been part of his volunteer work, as well as teaching others the basics of sustainability. He is the creator of mobile and maintenance based mapping systems designed to assist trail agencies and trail users in Santa Barbara. [dave@lipt.com](mailto:dave@lipt.com)

**Paul Veisze** is the Geographic Information Officer for California State Parks. Following academic training in forest ecology and wildland fire, Paul has more than 25 years experience in aerial photography and mapping, GPS/GIS; and natural resources science in the private sector, and with federal and state agencies in California and Nevada. Current focus is on road and trail information systems development for public safety and facilities management applications. [pveisze@parks.ca.gov](mailto:pveisze@parks.ca.gov)