

Virgin Islands 4th GIS Conference  
Regional and Local Integration of GIS Technology through  
Business and Intergovernmental Collaboration

Thursday, November 20 10:00 a.m.—3:00 p.m.

WYNDHAM SUGAR BAY RESORT & SPA, ST. THOMAS, USVI

**Datums & Projections: Demystifying the Geodetic Reference Frame**

This program details fundamental geodetic surveying concepts of horizontal (Puerto Rico Datum and NAD 83) and vertical datums (Local Mean Sea Level and Virgin Islands Vertical Datum), reference ellipsoids, geoid models, global coordinate systems and datum transformations as they relate to the Virgin Islands. Also discussed are the elements of the two most commonly used coordinate map projection systems, the Universal Transverse Mercator and the State Plane Coordinates.

or

**A Review of the Virgin Island LiDAR Survey**

In 2007 the United States Army Corps of Engineers contracted 3001 Inc. to acquire and process Light Detection and Ranging (LiDAR) for the Virgin Islands. 3001 Inc. acquired and processed LiDAR using the guidelines and specifications set forth by the Federal Emergency Management Agency. The purpose of this workshop is to discuss the specifications and provide detailed explanations and examples of the products derived for the Virgin Island LiDAR Survey. This workshop will discuss the acquisition methodologies, a review of the vertical accuracy specifications, a review of the final products, and suggested methodologies for vertical adjustments.

**Participants should bring their own wireless internet-ready laptop computer.**

**Workshop Only Fee:** \$99.00

**Full Conference Registration Fee:** \$220.00 (local rate)

**FAX Registration to:** 719-3801 Phone: 773-6459

**Attention:** Dr. Theresa Parris

**CHECK ONE:**

"Datums & Projections: Demystifying the Geodetic Reference Frame"

"A Review of the Virgin Island LiDAR Survey"

NAME: \_\_\_\_\_

ORGANIZATION: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_

PHONE: \_\_\_\_\_ EMAIL: \_\_\_\_\_