

the same time, active sensors, hand-held data collection devices, and feature extraction are changing fundamental mapping procedures and the way data is supplied to GIS.

Participants will receive an overview of the systems, technologies, and impacts on mapping in the next two to three years, as well as, the institutional issues involved in implementation.

Workshop 14

Looking Above the Terrain Model: Lidar for Vegetation Assessment

Sorin C. Popescu, *Texas A&M University*

8:00 am to 12:00 noon, CEU .4

Room 10

INTERMEDIATE Workshop: The participants are expected to have a basic understanding of remote sensing techniques and image processing.

The overall goal of this workshop is to introduce participants to lidar processing techniques and applications for deriving information on forest resources and canopy parameters. More specific objectives are to: (1) briefly familiarize participants with basic lidar and laser ranging concepts; (2) introduce types of lidar sensors for forest resources assessment and the Las Lidar data format; (3) review algorithms for deriving information on forest resources; (4) review processing techniques for generating canopy height models and "multi-band" Lidar height bins, (5) introduce participants to TreeVaW, a Lidar processing software for identifying and measuring individual trees on Lidar-derived canopy height models, and (6) discuss an array of processing techniques derived from multi- and hyper-spectral image processing for using Lidar-derived data products for assessing vegetation parameters.

Workshop 15

Assessing the Accuracy of GIS Information Created from Remotely Sensed Data: Principles and Practices

Kass Green, President, *Alta Vista*

Russell G. Congalton, *University of New Hampshire*

1:00 pm to 5:00 pm, CEU .4

Room 10

INTERMEDIATE Workshop: In order to maximize the benefits of this course, participants should have previous experience with GIS and remotely sensed data. In addition, a good understanding of statistical principles is also strongly suggested.

This course focuses on the principles, techniques, and practical aspects of assessing the accuracy of GIS information derived from remotely sensed data. Participants will receive instruction in how to design accuracy assessment procedures, allocate accuracy assessment samples, collect both field and photo reference data, and analyze accuracy assessment results. While spatial accuracy is addressed, the course primarily focuses on methods and analysis for thematic accuracy assessment. Examples of accuracy assessment case studies based on actual project data will be presented and discussed. Each participant in this course will come away with a solid understanding of accuracy assessment procedures for spatial data, and the knowledge to properly interpret the results of such procedures.

ASPRS Committee Meetings

Journal Policy and Publications Committees

8:00 am to 10:00 am

Room 1

Photogrammetric Applications Division (PAD)

10:00 am to 12 noon

Room 1

Primary Data Acquisition Division (PDAD)

10:00 am to 12 noon

Room 4

Membership Committee

10:00 am to 12 noon

Room 2

Photogrammetric Applications Division (PAD)

Lidar Subcommittee

1:00 pm to 3:00 pm

Room 13

Photogrammetric Applications Division (PAD)

Softcopy Subcommittee

1:00 pm to 3:00 pm

Room 4

Transportation Surveys Subcommittee

1:00 pm to 5:00 pm

Room 1

Region Membership Officers' Training

2:00 pm to 5:00 pm

Room 2

Data Preservation and Archiving Committee

3:00 pm to 4:00 pm

Room 4

Remote Sensing Application Division (RSAD) and Geographic Information Systems Division (GIS)

4:00 pm to 6:00 pm

Room 4

By-Laws Committee

5:00 pm to 6:00 pm

Bayshore Ballroom

Division Directors

5:00 pm to 6:00 pm

Greco Ballroom

User Groups

GeoCue

8:00 am to 12:00 noon

Room 5

GeoCue Corporation will host its annual North American user's group meeting at the 2007 ASPRS Conference in Tampa, FL. We will be presenting our latest GeoCue process management solutions as well as soliciting user feedback on features needed for future versions. GeoCue Corporation is a software development and consulting services company specializing in geospatial production management solutions. Our products provide an integrated end-to-end processing framework that, when combined with industry leading production tools, significantly reduces production time from data acquisition to finished product.

ENVI

8:00 am to 12:00 noon

Room 7

ITT Visual Information Solutions invites you to the ENVI User Group Meeting. If you're an ENVI user or would like to learn about ENVI's

image exploitation capabilities, this meeting is for you. See ENVI users from a variety of disciplines showcase their ENVI applications. Talk to the ENVI experts and learn more about some of the latest advances in ENVI including a new user interface, feature extraction, interoperability, and NITF support enhancements.

Intergraph

8:00 am to 12:00 noon

Room 6

Join Intergraph to learn about the latest updates in Intergraph's earth imaging (photogrammetry) products and open, best-in-class solutions. Hear about Intergraph's complete systems for producing maps, digital terrain models (DTMs), and other geographic data that government, military, and commercial organizations need to preserve accuracy and precision of data. Intergraph experts will highlight Intergraph's industry-leading technology including the latest information on the Z/I Imaging Digital Mapping Camera (DMC), as well as flight and sensor management systems and automated production systems.

DAT/EM

1:00 pm to 4:00 pm

Room 5

DAT/EM Systems International (est. 1985), an Anchorage, Alaska-based company, is a leading developer of photogrammetric software and hardware solutions. DAT/EM specializes in 3D stereo viewing and precise feature data collection software. Its products include the SUMMIT EVOLUTION™ digital stereoplotter and DAT/EM STEREO CAPTURE™, which allows stereoplotters to digitize directly into ArcGIS®. DAT/EM CAPTURE allows stereoplotters to digitize directly into AutoCAD® and MicroStation®. Currently, DAT/EM supports over 350 companies in 40 countries. DAT/EM's web address: www.datem.com.

ESRI

1:00 pm to 5:00 pm

Room 6

ESRI invites you to our User Group on May 8 to see and hear how the latest ArcGIS® software can enhance the work of your organization. ESRI staff will demonstrate raster data management, image server and ArcGIS® server and desktop products that will help you solve problems and make smart and timely decisions. A question and answer time will also encourage a forum for discussion. Please join us as we explore ESRI's latest imagery and raster management technology. www.esri.com/maps

Definiens

1:00 pm to 5:00 pm

Room 7

The Definiens User Group will consist of a presentation on the company and its eCognition Network Technology; presentations from select Definiens' eCognition customers; and a product presentation featuring a beginning to end workflow. Definiens products provide solutions for geo-intelligence, infrastructure planning, natural resource management and environmental monitoring.

INPHO

4:00 pm to 7:00 pm

Room 5

INPHO, leading supplier of solutions for photogrammetry and terrain modeling, will present the major new release 5.0 of INPHO's photogrammetric system. Many new features of MATCH-AT, MATCH-T, DTMaster, OrthoMaster and OrthoVista will be demonstrated, as well as ApplicationsMaster, the new core of the system. The meeting is open to all users of INPHO products, as well as to prospective new customers.

Interactive Networking HOT TOPICS

The one-hour **HOT TOPIC** discussion groups were such a success at the 2006 Annual Conference that we are offering them again this year. We asked you what you wanted to discuss, and here are your top seven choices. **This is an opportunity for all attendees** to weigh in with their thoughts on the issues listed below.

Hosted by ASPRS Divisions and Committees, you may attend any of the **HOT TOPICS** that you like.

Wednesday, May 9

11:00 am to 12:00 noon

The Future of Land Imaging (Room 1)— Is Landsat and moderate resolution imagery important to you? This Hot Topic will provide an update on the status of the Future of Land Imaging (FLI) Inter-agency Working Group Report to the President. Let your voice be heard in this timely discussion of the future of U.S. involvement in moderate resolution satellite imagery collection and distribution.

State Licensing of Geospatial Professionals and Related Issues (Florida Ballroom Salon I) — Additional states are adopting laws that affect the licensing of geospatial professionals. Attend this meeting to discuss what's going on in your state. In addition, give us your feedback on the definition of professional photogrammetric services and the procurement guidelines for Qualifications Based Selection (QBS) of these services. A joint task force, composed of members from ASPRS, MAPPS & ACSM, is in the process of reviewing and updating this material.

Future Commercial Use of Unmanned Aerial Vehicles (UAVs) (Florida Ballroom Salon II) — The use of UAVs is moving from a strictly military environment to a broader commercial environment. Discussion will focus on what new commercial uses are evolving and how UAVs will be used to greater advantage by our industry.

Challenges and Opportunities in Remote Sensing Education (Florida Ballroom Salon III) — If you are a professor teaching remote sensing, this Hot Topic will appeal to you. Compare notes on what you teach, learn about new course curriculums offered, and get feedback from potential employers on what skills they look for from students entering the workforce.

Getting a Job (Room 4) — How to prepare for entering the job force, resume and interviewing tips, and more.

Thursday, May 10

11:00 am to 12:00 noon

The Landsat Data Continuity Mission (LDCM) (Room 1) — A review of the status of LDCM development followed by a discussion of science and applications requirements and general specifications for LDCM data products.

Geo-Object-Based Image Analysis (GEOBIA): A paradigm shift from arbitrary pixels to meaningful geo-objects (Florida Ballroom Salon I) — Geo-Object Based Image Analysis is a recent sub-discipline of Geographic Information Science devoted to developing automated methods to partition remote sensing (RS) imagery into meaningful geographically based image-objects, and assessing their characteristics through spatial, spectral and temporal scales. Its applications range from agriculture and natural resource management, to national defense and global climate change. Its economic impact spans from data collection, hardware and software vendors, developers and users, to recipients of sound sustainable environmental policy.