

2004 GIS CONFERENCE AND WORKSHOPS
AGENDA FOR PRIVATE SECTOR DAY, MAY 11, 2004

8:15-10:00

ESRI ArcGIS 9

Tosia Shall, Technical Marketing, ESRI Washington D.C.

We will explore the highlights of ArcGIS 9 and its Extensions: Geoprocessing, Data Interoperability, ArcGlobe, and more. We'll introduce two new products: ArcGIS Engine, which allows you to embed GIS in custom field or desktop applications, and ArcGIS Server, which will allow you to build centrally managed server-side GIS applications within an enterprise environment. We will preview the ArcGIS Address Data Model, which provides a framework for building databases that contain address information. This data model accommodates many of the complexities of addresses and their relationships to objects that previous GIS models have not.

10:00-10:15

Break

10:15-10:45

GIS Field Mapping Techniques Utilizing GPS Technology

Randy Melton PS, President, GPS Innovations, Inc.

This 30-minute presentation will outline various techniques utilizing Trimble Software and GPS Equipment available today for GIS field mapping exercises. Additionally, we will briefly discuss the use of the NGS CORS Stations and OPUS Service for higher accuracy Horizontal and Vertical Control needs.

10:45-11:15

GIS Technology for the Outdoors Industry

Barry Jones, President, IT Outdoors

This presentation will focus on IT Outdoors' introduction of GIS Technology to the Outdoors Industry. This will include applications focusing on anglers, hunters, hikers, and others as well. This market offers benefits to the outdoors enthusiast as well as the community through increased tourism and revenues.

11:15-12:00

GIS and E911 for WV Counties

Rex Thaxton, Vice president, Mountain CAD Corporation

This 45-minute presentation will focus on cadastral mapping efforts by WV Counties. In addition Mountain CAD's IAS/CAMA Portal will be shown as the link between mapping and the new Integrated Assessment System. The last fifteen minutes will be dedicated to showcasing Digital Graphics Public Safety Software.

12:00-1:30

Lunch

1:30-3:00

Statewide Addressing and Mapping Session

Overview

Craig Neidig, State GIS Coordinator, Chair WV Statewide Addressing and Mapping Board

The WVSAMB Geospatial Data Warehouse

Joe Seppi (Project Manager), Dave Price, GIS Analyst, Michael Baker, Jr. Inc.; Dave Lawson, IT Manager, Rahall Transportation Institute

The West Virginia Statewide Addressing & Mapping Board (WVSAMB) in partnership with the Rahall Appalachian Transportation Institute (RTI) and Michael Baker Corporation is implementing a world class geospatial data warehouse. Designed by Baker and stored at RTI, this EMC storage area network (SAN) will house over 8 TB of digital mapping from the statewide addressing and mapping project. The data store will utilize Oracle v.10g Spatial. An ArcIMS website will also be implemented to distribute portions of the data to public and private users alike. This data warehouse will be the ultimate repository for all SAMB data. Long-term maintenance of the mapping and addressing will be performed by the counties themselves.

A TEAM Effort: A Progress Report on the West Virginia Statewide Addressing Project

Cynthia Smell and Neil Cadle, GIS Addressing Liaisons, microDATA GIS, Inc.

This presentation will briefly explain where microDATA GIS, Inc. fits into the larger picture of the Statewide Mapping and Addressing Project, what our responsibilities include, how some of our operations work, and what WV counties are responsible for throughout the program.

3:00-3:15

Break

3:15-3:45

Overview of Marshall Miller & Associates' GIS work

Matt Frost, GIS Specialist, Marshall Miller & Associates'

An overview of Marshall Miller & Associates' GIS work across a range of applications, including: mineral lands mapping and tax reporting, detailed geologic modeling for highway construction, flood hazard mapping, carbon sequestration research.

3:45-4:45

A Technology Review of IFSAR NEXTMap Data

Alistair Strachan, Manager, Southeastern US Intermap Technologies

WV-DEP has recently invested in a data purchase of IFSAR NEXTMap data over a large region of WV. This presentation will discuss: 1. The utility of the data, including potential regional uses beyond those planned by the DEP. 2. Comparisons to conventionally derived elevation products from scale photography 3. Data licensing topics such as licensing uplifts and (derived) product availability.

5:30-7:30

Evening Social in Durrett Hall at the Erickson Alumni Center

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Directions to Erickson Alumni Center:

From Downtown Campus (White Hall): Proceed west towards the Monongahela River to U.S. 19 (University or Beechurst Avenues). Turn right on to U.S. 19, and proceed north for approximately 1.5 miles, following the Personal Rapid Transit (PRT) track, until you reach the traffic light with the WVU Coliseum on the left. Turn right on to Route 705 (Patteson Drive). Proceed past the Creative Arts Center on the right. Turn right on Fine Arts Drive. The Erickson Alumni Center is the next red brick building on the right. Park in lot #51 or #47.

From the Radisson: Left turn out of Raddison complex and onto Don Knotts Boulevard; Follow through five stop lights - the road will run along side the Monongahela River and will change names to Beechurst Avenue and Jerry West Boulevard. At the sixth light, make a right turn on Evansdale Drive (Creative Arts Center is on the corner). Follow Evansdale Drive to the first intersection and make a left turn onto Fine Arts Drive. The Erickson Alumni Center is the second building on your left – red with green lattice work, awning on the front. Park in lot #51 or #47.

From I-79: Take Star City/WVU exit. Cross the Star City bridge and proceed up Monongahela Boulevard past Texas Roadhouse. At the traffic light (WVU Coliseum is on the right), turn left on to Route 705 (Patteson Drive). Proceed past the Creative Art Center on the right. The Erickson Alumni Center is the next red brick building on the right. Park in lot #51 or #47.

From I-68: Take Pierpont Road exit and follow signs to stadium. At second traffic light, turn right on to Route 705 and stay on this highway as it becomes Chestnut Ridge Road (through two more traffic lights). Turn left at the fourth traffic light on to Van Voorhis Road. The road becomes Patteson Drive at University Avenue. Proceed up Patteson to the light at Jerry West Boulevard. The Erickson Alumni Center is on the left. The WVU Coliseum is directly ahead. Park in lot #51 or #47.

Need a map? GIS maps of the Morgantown area and WVU Campuses are available to registrants.