



NEW ENGLAND CHAPTER

Spring Conference Agenda

May 24, 2007		UMass-Boston, Boston, MA
8:00 am to 9:00 am	Registration and Coffee - Sponsored by Telvent Miner & Miner and ESRI	
The Three I's of Data: Integrity, Intelligence, Integration		
9:00 am to 9:15 am	Welcome and Remarks from New England Chapter President & Awarding of GITA Scholarships	
	Helenmary Hotz, UMass-Boston	
9:30 am to 10:15 am	Update from GITA National including MAPPS Lawsuit	
	Speaker: Brent Jones, 2007 President of GITA	
	A flurry of activity has surrounded GITA this past year, especially in promoting membership and increasing current member benefits. Aside from revamping the annual conference to offer more to the community, GITA is actively developing student chapters and trade missions for vendor partners, giving them more opportunities. The Research Division's release of the report, <i>Building a Business Case for Geospatial Information Technology: A Practitioner's Guide to Financial Strategic Analysis</i> , provides members with a guide for determining ROI (Return on Investment) for GIS projects http://gita.org/gita-in-action/roi.asp and allows them to more thoroughly analyze their current endeavors. GITA has also participated with an Amicus (friend of the court) brief regarding the MAPPS lawsuit alleging the misapplication of the Brooks Act federal contracting rules. This presentation will bring attendees up to date on all of these issues.	
10:15 am to 11:00 am	How Mobile Asset Management Is Improving the Customer Experience at NSTAR	
	Speaker: Douglas Foley, NSTAR	
	With another year of major storm events, NSTAR recognized that customer satisfaction with response to any crisis situation is largely driven by how well the utility company can keep customers informed. This case study highlights the benefits that NSTAR gained by linking GPS and mobile asset management with its outage management system (OMS) and GIS technology to enhance customer communications while improving outage restorations and reducing Customer Average Interruption Duration Indices.	
11:00 am to 11:15 am	Mid-morning break sponsored by Coler and Colantonio	
11:15 am to 12:00	Advanced Meter Reading (AMI) integration with GIS	

	<p>Speaker: Beth Picardi, Unitil</p> <p>In 2005, Unitil made the decision to deploy a system-wide gas and electric Advanced Metering Interface (AMI) that would provide automated, two-way meter reading capability for nearly 120,000 customers. Although the company justified this project primarily on the automated meter reading capability, it has gained a wealth of additional data on system performance that it hopes to leverage through integrating AMI with GIS and other company enterprise systems. Each meter, acting as an end-point transmitter, transmits not only usage data, but a variety of system data, including voltage performance, outage information, and circuit equipment condition. Viewing this data in GIS has lead to an intuitive understanding of system performance. Although the company has just begun to experiment with this AMI/GIS combination, the possible applications appear endless (or promising?).</p>
12:00 pm to 1:00 pm	<p>Lunch sponsored by James W. Sewall Company</p>
1:00 pm to 1:45 pm	<p>"A Multi-Spatial Dynamic Data Time Series Analysis Engine for Remotely Sensed Data"</p> <p>Speaker: Dr. William L. Hamilton, Ph.D. - Geo-Science Technologies, Inc.</p> <p>Leica Geosystems Defense Solutions has partnered with Geo-Science Technologies to develop a time-series component extraction engine for ERDAS IMAGINE®, allowing decision makers and analysts to monitor changing entities and environments in a focused, controlled setting void of searching through "no-change" areas. The extraction engine can be applied to any imagery change detection, from mapping daily aircraft positions parked on an apron (cyclic) to changing water turbidity patterns due to increased dredging activities (trend) to tracking the movement of terrorist camps to avoid satellite overpasses (irregular).</p> <p>This presentation demonstrates an innovative approach allowing investigators, with no formal training in time-series analysis, to classify and identify change in time- sequenced imagery. The algorithmic design allows band-unique (e.g. change in green reflectance band over time) or parameter-unique (e.g. change in derived index value over time) analyses and is capable of processing varying spatial resolutions as well as temporal data sets collected at any frequency (e.g. hourly, twice-daily, daily, etc.). The resulting change images are displayed in a geo-spatially accurate environment provided by ERDAS IMAGINE®. Analysts and decision makers can then use existing technology, native to ERDAS IMAGINE® (i.e. Knowledge Engineer); to define the cause/origin of the changes.</p>
1:45 pm to 2:30 pm	<p>"Experiences With Mobile GIS in Municipal Government"</p> <p>Speaker: John Stavrakas – Director of Engineering and Steve Morse – Manager of Maps & Records, KeySpan Energy Delivery</p> <p>John Stavrakas is a 20 year veteran of KeySpan Energy where he held increasingly responsible positions in the design, operation and construction of the company's gas distribution facilities. Currently, John is responsible for all engineering disciplines supporting the company's operations in New England and has enterprise wide process responsibilities for system design/reliability, asset records/mapping and GIS. John will talk about how KeySpans long history using GIS has driven business process improvements in many areas including; asset management, system reliability, customer care, marketing and others.</p>

2:30 pm to 5:00 pm	Exhibit Session – Refreshments sponsored by Camp Dresser & McKee
	CDM Chas H. Sells Coler & Colantonio ESRI-Boston Telvent Miner & Miner Maine Technical Source Penobscot Bay Media TransCOR Information Technologies

Special Thanks to the New England Chapter Corporate Sponsors:



Registration

- GITA & URISA members: \$75.00
- Non members: \$90.00
- Students: \$25.00
- Exhibitors: \$150.00 includes one registration and one tabletop with power and wireless internet. Additional attendees must register.

Hotel Information

Doubletree Club Hotel Boston-Bayside
 240 Mt. Vernon Street
 Boston, MA 02125
 Tel: +1-617-822-3600 Fax: +1-617-822-2865
 Mention UMass Boston to receive UMass rate of \$109.00 based on availability.
<http://doubletree.hilton.com/en/dt/hotels/index.jhtml;jsessionid=P55ZLV5AWDZ3ACSGBIVMVCQKIYFC3UUC?ctyhocn=BO SCHDT&ctyhocn=BOSCHDT>

Directions to UMass-Boston

The conference will be held in the Campus Center on the 3rd Floor. Signs will be posted to direct you to Ballroom C.

Public Transportation

Subway: Take the Red Line to JFK/UMass Station. A free shuttle bus will carry you to the campus.

Commuter Rail: Take the commuter rail to the JFK/UMass station from the South Shore on the Middleboro and Plymouth lines.

Bus: Kenmore Square stop (service all day): the Number 8 bus; Forest Hills stop (rush hour only): the Number 16.

By car from the north

Take Interstate 93 South through Boston to Exit 15 (Columbia Road/JFK Library). Take a left at the end or the ramp onto Columbia Road, and then take your first right in the rotary. Follow the University of Massachusetts signs along Columbia Road and Morrissey Boulevard to the campus.

By car from the south

Take Interstate 93 North to exit 14 (Morrissey Boulevard/JFK Library) and follow Morrissey Boulevard north to the campus.

By car from the west

Take the Massachusetts Turnpike (Interstate 90) east to Interstate 93. Take I-93 South one mile to Exit 15 (JFK Library/South Boston/Dorchester). Take a left at the end or the ramp onto Columbia Road, and then take your first right in the rotary. Follow the University of Massachusetts signs along Columbia Road and Morrissey Boulevard to the campus.

Parking fees

\$6 per vehicle



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