



PaMAGIC MATTERS **April 2011**

PaMAGIC is accepting nominations for 3 seats on the Board of Directors, term to run from 5/2011 – 5/2014, contact any Board Member for additional information.

President's Corner

When you read about the many political revolutions across the Arab world, it is evident how important the digital infrastructure is to these grass-roots movements. Whenever a totalitarian government feels threatened, one of the first things they try to do is shut down popular social media forums. This infrastructure provides such a widespread network of users that it is nearly impossible for a regime to control all forms of media as they have in the past. Regardless of the outcome of these revolutions, it is now easier to shine the light of democracy into the dark corners of totalitarian governments.

Crowd source mapping was used in the response to the earthquake in Haiti and Japan. These tools have made it possible for people all over the world to help connect rescuers to people that needed help. The global digital infrastructure makes this kind of effort possible.

Whether it is for organizing protests or helping people in their greatest time of need, the global digital infrastructure has provided a basis for sharing information that can improve the quality of life worldwide. Geospatial technologies are a part of this digital infrastructure, benefiting from and contributing to its future growth. "Enhancing Our Digital Infrastructure" is the theme for this year's PA GIS Conference. Participating in this conference will give you an opportunity to share how you are contributing to this continued growth or learn from examples of how others are using the technology. Visit <http://www.pagisconference.org> for the conference agenda and registration details.

This is also the time of year to renew your membership in PaMAGIC. Go to [Join Us](#) for information about how you can join.

Look forward to seeing you at the PA GIS Conference,

Glenn Mohler

mohler@co.lancaster.pa.us

PAMAP Program News

PAMAP Website

The PAMAP Website, hosted by PA DCNR, has been updated. Visit <http://www.dcnr.state.pa.us/topogeo/pamap/index.aspx>. Changes include links to the PAMAP Viewer and the new PAMAP Data Download Tool.

Lidar Data (2008 Acquisition)

All remaining 2008 Lidar data products have now been accepted and are available through PAMAP services channels.

Accuracy Assessment Reports, QA Reports, and metadata are posted on the PAMAP website.

The statewide Lidar project initiated in 2006 is now complete. The Commonwealth has one of the most detailed and highest-accuracy elevation data sets in the nation.

Orthoimagery (2008 Acquisition)

All remaining 2008 orthoimagery has been accepted and is available through PAMAP services channels.

Orthoimagery (Other)

The 2009 NGA/USGS imagery for large portions of western Pennsylvania will be available through PASDA shortly. The 2010 NAIP 4-band full-resolution imagery (DOQQ structure) is complete. It is available through the USDA Farm Service Agency Geospatial Data Warehouse, and will soon be available from PASDA.

Vector Data

PAMAP vector layers of roads, railroads, hydrography, boundaries, building footprints, and building points are available through PASDA and other PAMAP services channels. This data is from county sources and has been aggregated to statewide feature classes.

Chris Markel, GISP
PAMAP Program Manager
814-360-8406
cmarkel@geographIT.com
c-cmarkel@state.pa.us

Map App Contest

A contest to develop a mobile application to promote the use of Pennsylvania trails and enhance the fun that trail users can have while out and about is being held this spring by a consortium of trail, conservation, tourism and technology partners. The contest is being sponsored by Harrisburg University of Science and Technology, in partnership with DCNR and the Pennsylvania Tourism Office.

Developers everywhere and students at Pennsylvania universities are invited to **submit entries by April 15**. In addition to recognition, the winner will receive an Apple iPad.

The contest sponsors are hoping to see creative and innovative entries that combine existing trails geospatial data with other datasets and user driven content. Developers who build contest entries can take advantage of statewide trail information recently compiled on ExplorePAtrails.com. Interested parties can find more information about the contest [here](#). Questions can be directed to [Charles Palmer](#), executive director of the Center for Advanced Entertainment and Learning Technologies at Harrisburg University, or [Tom Ford](#) at DCNR.

PA GIS Conference 2011

The 2011 PA GIS Conference is a great opportunity to receive key GIS updates at the local, state and national level! Come learn and share the latest in GIS efforts; and network with your colleagues.

Early bird Registration ends April 8

HIGHLIGHTS

The conference schedule offers a variety of topics on GIS projects including: broadband, conservation, crime mapping, legislative redistricting, emergency services, land records, regional initiatives, marcellus shale, utilities, remote sensing, natural resources and updates from the National Weather Service.

Plenary sessions will include presentations on the Penn State Geospatial Revolution; Key Aspects of Creating Sustainable Communities; David Cowen- a recipient of the esri Lifetime Achievement Award; and a session on mobile applications featuring presentations by esri, Google, Michael Baker Corporation and Photo Science.

PRE-CONFERENCE WORKSHOPS

On Monday, May 23 esri and the Harrisburg Area Community College (HACC) will offer the opportunity for conference participants to spend the afternoon working in hands-on learning labs on up to five different subjects. [Check out your options.](#) (Pre-Conference workshops are included in your conference registration.)

POST-CONFERENCE WORKSHOPS

Once again, DCNR will offer a Remote Sensing post-conference workshop available free of charge to Pennsylvania state employees and staff of PAMAP Agreement Counties. All others may attend for a registration fee of \$75. [Additional information.](#)

NEW THIS YEAR: POSTER SESSIONS

We are accepting poster presentations for the 2011 PA GIS Conference, now through May 6, 2011. The intent of the poster session is to provide an opportunity for participants to highlight a GIS project or theme. [Additional information.](#)

CONFERENCE THEME

This year's conference will focus on "Enhancing Our Digital Infrastructure". As Pennsylvania continues to recover from tough economic challenges and pursue ways to resume growth - it is critical that we utilize geospatial technology to lead the way to a more sustainable future.

Quick Links

[Agenda](#)

[Registration](#)

[Exhibitors](#)

[InfoSwap](#)

[Sponsorship Opportunities](#)

[Call for Presentations](#)

Other GIS Events

Esri Mid-Atlantic User Group Meeting – Warrington, PA, **Tuesday, April 5, 2011, Langan Engineering**, 2700 Kelly Road - Suite 200, WARRINGTON, PA 18976 **10:15 AM - 1:00 PM** for this free event. [Register](#) today.

Introduction to HEC-RAS at Harrisburg Area Community College, **April 5-7, 2011**. 24 PDH's NTM Engineering's Introduction to HEC-RAS will teach you how to use the U.S. Army Corps of Engineers' Hydraulic Engineering Center River Analysis System (HEC-RAS) software program. HEC-RAS is an engineering industry standard for modeling steady, gradually-varied, one-dimensional open channel flows. Our application-oriented training provides lectures and hands-on workshops to introduce you to open channel modeling and culvert and bridge hydraulics. NTM will teach you hydraulic analysis procedures for waterway modeling via site assessment, cross-section data collection, hydraulic method selection, output interpretation, and existing and proposed condition comparison. To register or for more information visit: www.ntmtraining.com

PSATS 89th Annual Conference & Trade Show, 17-20 April 2011, Hershey Lodge, Hershey, Pa,

http://www.psats.org/convention_2011.html

PA AWWA's 63rd Annual Conference, 19-21 April 2011, Hershey Lodge, Hershey, Pa,

<http://www.paawwa.org/>

Trimble Certified Training Course – TerraSync and Pathfinder Office, 19-20 April 2011, PLI Office Ambridge, Pa, \$750.00 per person – PDH available, Email Jeremy Summerville to Register

jds@laserinst.com

Trimble Certified Training Course – Mobile Mapping (ArcPad & GPSCorrect), 26 – 27 April 2011, PLI Office Ambridge, Pa, \$750 per person –PDH available, Email Jeremy Summerville to Register

jds@laserinst.com

Tri-County Oil and Gas Show, 21 May 2011, Washington County Fairgrounds,

<http://www.tricountyoilandgasexpo.com/>

2011 PA GIS Conference will be held on **May 24-25, 2011** in Grantville, PA. The Early Bird rate for the full conference is \$195 thru April 8. On April 9, the full conference registration fee will raise to \$225. More info and registration here: <http://www.pamagic.org/PAGISConference/Pages/default.aspx>

WVAGP – West Virginia Association of GeoSpatial Professionals Annual Meeting

PLI will be teaching a course on "Understand Datum and Coordinates / Best GPS Practices" an all day lecture and hands on course. PDH available, 14-15 June 2011, Shepherdstown, WV,

<http://www.wvagp.org/upcoming.asp>

2011 **Esri UC**, July 11-15 in San Diego, California

WV Oil and Gas Equipment Show, 13-14 July 2011, Buchannon, WV,

<http://www.ioqawv.com/events.cfm?eid=53>

If there is something which you would like to have included in PaMAGIC MATTERS, please send it to kathryn.reed@allegHENYcounty.us