

# Spring Meeting Schedule

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[NortheastArc Users Group](#)

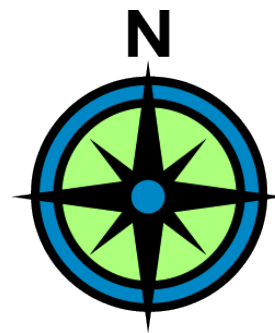
Tuesday, May 14, 2013, from 8:00 AM until 5:00 PM

[University of Massachusetts Amherst](#) [Campus Center](#)

[Map it: 72° 31' 37.46" W, 42° 23' 29.57" N](#)

Hover over (or touch) a presentation to see its abstract.

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The NEArc Spring Meeting is sponsored by [PhotoScience](#) and [Design Products Company](#).

**Monday**      **Pub Meetup**  
**7:00 PM – ?**      [Amherst Brewing Company](#), 10 University Drive, Amherst, MA, [just down the road from UMass](#).  
For those of you in town the night before the conference, please join a group of GIS locals and other attendees for conversation and good cheer.

**8:00 – 9:00**      **Registration & Refreshments**  
Campus Center First Floor Concourse  
[Register online here](#): \$45 in advance – \$55 after April 30 – Current Students \$25 – Student Presenters Free

**9:00 – 10:15**      **Session 1**  
Campus Center Auditorium

Welcome	Opening Remarks	Keynote Address — Roadmap of What's Coming in ArcGIS 10.2
Niels la Cour University of Massachusetts Amherst, Campus Planning	Darren Mackiewicz, GISP NEArc President CDM Smith	Carl Nysten and Paul Rooney Esri

**10:15 – 10:30**      **Refreshment Break and Poster Session**  
Campus Center First Floor Concourse

**10:30 – 12:00**      **Session 2**

ArcGIS from the Web	Conservation	Academic Applications	Mobile Apps Workshop
Campus Center Auditorium Moderator: Mike Olkin	Campus Center 169 Moderator: Jared Newell	Campus Center 176 Moderator: Andy Anderson	Morrill Hall 271 Coordinator: Alexander Stepanov
↔ 10:30 <b>Esri Maps for Office</b> Mark Scott Esri	<b>Using GIS to Monitor (and Find) Seabirds — A Conservation and Recreational Bird-watching Perspective</b> Naeem Yusuff University of Massachusetts Boston Anne-Marie Runfola and Michael Thompson Stellwagen Bank National Marine Sanctuary	<b>Temporal, Geographic, and Demographic Trends of Early-Onset Breast Cancer in Hampden County, MA</b> Jane Garb, MS and Holly Mason, MD Baystate Health	<b>Getting Your Data Ready for Use in Mobile Applications</b> Darren Mackiewicz, GISP and James Klugh, GISP CDM Smith
↔ 11:00 <b>ArcGIS Web-Mapping APIs</b> Sam Berg Esri	<b>Using GIS to Evaluate Habitat Loss Due to Sea Level Rise in the Republic of Panama</b> Kim Diver Wesleyan University	<b>Biological Applications of ArcMap as a Statistical Tool to Quantify Zebrafish Post-Optic Commissure Formation</b> Jin Sook Park, Corinna Keeler,	

Julissa Domínguez

University of Panama

Alicia Ibáñez

Smithsonian Tropical Research Institute

and Jon Caris

Smith College

↔ 11:30

**GIS as a Tool in Marine Spatial Planning and Ocean Management Decision Making**

Kate Longley and Andy Lipsky  
SeaPlan

**Laying the Groundwork for a GIS Basics MOOC**

Peggy Minnis  
Pace University

12:00 – 1:15

**Lunch**

Campus Center Auditorium

↔ 12:15

**Lightning Talks**

Campus Center Auditorium

Moderator: Mike Olkin Introduction: [PDF](#) [PPT](#)

**The Importance of Standardized Shared Symbology in ArcMap**

Brian Stice  
Landvest

**#GIS + #DH = #ack**

Jon Caris  
Smith College

**Writing about the Influence of Place**

Marcy Thomas  
Wellesley College

**Accessibility in a Small-Urban and Rural Context**

Nathan Belz  
University of Vermont

**Investigative Report from Redlands California: The Esri Papers**

Mark Scott  
Esri

**Spatial Trends in New England Agriculture**

Aaron Dushku  
NRCS-USDA  
Kip Kolesinskas  
American Farmland Trust

**Lightning Karaoke**

Michael Olkin, The Composer

Town of Amherst

1:15 – 2:45

**Session 3**

**Data Management**

Campus Center Auditorium

Moderator: Darren Mackiewicz

**Map Services**

Campus Center 169

Moderator: Guido Stein

**Municipal GIS**

Campus Center 176

Moderator: Niels la Cour

**ArcGIS Online Workshop**

Morrill Hall 271

Coordinator: Andy Anderson

↔ 1:15

**Staying within a Small Budget to Update GIS Procedures**

Kara Weinsaft  
KLD Engineering

**Bridging GIS Environments using FWTools, OGR/GDAL, and Google Maps/Fusion Tables API**

Arielle Simmons  
Pioneer Valley Planning Commission

**CityEngine**

Patrick Gahagen  
Esri

**ArcGIS Online**

Mark Scott  
Esri

↔ 1:45

**Data Modeling Demystified**

Brian Hebert  
ScribeKey

**Managing ArcGIS Server 10.1 with Python**

Sean Sweeney  
City of Cambridge, MA

**Assessing the Degree of Potential Visual Impact of Vertical Structures**

Brett Shaver  
Environmental Resources Management

↔ 2:15

**Westchester County GIS in the Cloud: Providing Products and Services for Local Governments in 2013**

Sam Wear  
Westchester County GIS

**Mobile Tree Inventory Application for the Village of Garden City, NY**

Girk Cakmak  
Bowne Management Systems

2:45 – 3:00

**Refreshment Break and Poster Session**

Campus Center First Floor Concourse

3:00 – 4:30

**Session 4**

**Natural Resources**



**Planning**

**Communities**

**Python + ArcGIS Workshop**

	<p>Campus Center Auditorium</p> <p>Moderator: Nathan Belz</p>	<p>Campus Center 169</p> <p>Moderator: Peggy Minnis</p>	<p>Campus Center 176</p> <p>Moderator: Kara Weinsaft</p>	<p>Morrill Hall 271</p> <p>Coordinator: Andy Anderson</p>
↔ 3:00	<p><b>GIS as a Tool for Water Distribution System Planning</b></p> <p>Kevin Bartsch</p> <p>Otis ANG Base</p>	<p><b>Integrating Mitigation Planning into Campus Culture and GIS and Development of a Campus Continuity Strategy</b></p> <p>Niels la Cour, Alexander Stepanov, and Thomas O'Regan</p> <p>University of Massachusetts Amherst</p> <p>Jamie Caplan</p> <p>Jamie Caplan Consulting</p> <p>Jonathan Contract</p> <p>University of Massachusetts Amherst</p>	<p><b>FracTracker Alliance: Promoting an Understanding of the Impacts of Natural Gas Development on Our Communities</b></p> <p>Karen Edelstein</p> <p>FracTracker Alliance</p>	<p><b>Python + ArcGIS BootCamp</b></p> <p>Guido Stein</p> <p>Applied Geographics</p>
↔ 3:30	<p><b>Leveraging Remotely Sensed Data for International Projects — What's Out There, What's Free, and How Can I Use It?</b></p> <p>Jared Newell</p> <p>CDM Smith</p>	<p><b>Assessing GIS and Information Management Needs in a Multi-Agency Partnership</b></p> <p>Kate Hickey</p> <p>Applied Geographics</p> <p>BJ Richardson</p> <p>U.S. Fish and Wildlife Service</p>	<p><b>Using Spatial Analysis to Improve Health Care Services and Delivery at Baystate Health</b></p> <p>Jane Garb, MS and Richard Wait</p> <p>Baystate Health</p>	
↔ 4:00	<p><b>A Multi-Scale Approach to Assess the Hydrological Connectivity of Road and Stream Networks</b></p> <p>Alison Pechenick</p> <p>University of Vermont, College of Engineering &amp; Mathematical Sciences</p> <p>Donna Rizzo</p> <p>University of Vermont, School of Engineering</p> <p>Leslie Morrissey and Kerrie Garvey</p> <p>University of Vermont, Rubenstein School of Environment and Natural Resources</p> <p>Kristen Underwood</p> <p>University of Vermont, School of Engineering</p> <p>Beverley Wemple</p> <p>University of Vermont, Department of Geography</p>	<p><b>Thinking Spatially at Bank of America</b></p> <p>Andrew MacDougall</p> <p>Bank of America</p>	<p><b>Creating ArcReader Projects for Local History</b></p> <p>Bob Jones</p> <p>Skidmore College</p>	

**4:30 – 5:30 NEARC User Group Forum / Open Discussion / Poster Contest Winner Announcement**  
 Campus Center U-Pub (Second Floor)

<p><b>All Day</b></p> <p><b>Posters — Please Vote for Your Favorite!</b></p> <p>Campus Center First Floor Concourse</p> <p>Coordinator: Marcy Thomas</p>	<p><b>Environment / Conservation</b></p> <p><b>Using GIS to Monitor Invasive Plants in Candlewood Lake</b></p> <p>Jordan Gibbons and Gregory Bugbee</p> <p>CT Agricultural Experiment Station</p>	<p><b>Landscapes</b></p> <p><b>A Preliminary Map Depicting the Shorelines and Features of Glacial Lake Vermont</b></p> <p>Sarah Joy Kwiatkowska and John Van Hoesen</p> <p>Green Mountain College</p>	<p><b>Transportation</b></p> <p><b>Slope Stability Assessment for State Arterial Roads in Berkshire County</b></p> <p>Daniel Kobzarm, Andrea Daly, James Roy, Pamela Patrick, David Posner, and Mi-Hyun Park</p> <p>University of Massachusetts Amherst, Department of Civil and Environmental Engineering</p>	<p><b>International Development</b></p> <p><b>Assessing Vulnerability in Community Water Point Systems in Blantyre, Malawi, Africa</b></p> <p>Mark Hagemann, Joseph Goodwill, Srinivas Santhanam, David Choi, and Mi-Hyun Park</p> <p>University of Massachusetts Amherst</p>
	<p><b>Presenters will be at their posters at least at these designated times:</b></p> <p><b>10:15 – 10:30</b></p> <p><b>2:45 – 3:00</b></p> <p><b>You may also find them there at these times:</b></p>	<p><b>Elevation Changes Associated with Various Salt Marsh Plant Communities</b></p> <p>Rachael Dye</p> <p>GeoCorps America</p> <p>Megan Tyrell and Stephen Smith</p>	<p><b>Uncovering the Past: GIS Analysis of Archaeological Features under New England Forests Using High-resolution Topographic Data</b></p> <p></p> <p>Best Poster</p>	<p><b>Commercial Motor Vehicle Rollover Crash Analysis in Massachusetts</b></p> <p></p>

8:00 – 9:00  
1:00 – 1:15

National Park Service; Cape Cod National Seashore

Jane Barnes  
GeoCorps America

**(LiDAR)**

Katharine Johnson and William Ouimet

University of Connecticut, Department of Geography

Matthew Skelly, Ariel Brooks, John Guzze, Balazs Martai, Mi-Hyun Park, and Michael Knodler

University of Massachusetts Amherst, Department of Civil and Environmental Engineering

Third Best Poster

Smith College

**Web Mapping**

**Westfield State University WebGIS: A Student-Led Project Serving the Campus**

Nicole Giles  
Westfield State University



Second Best Poster

**Business**

**LEGO Brand Retail Store Expansion in the New York City Tri-State Area**

Nicholas Armata  
Westfield State University

**Business Park Map of the Quonset Business Park**

Antonio Ambrosio  
Quonset Development Corporation

**Education**

**4-H Geospatial**

Kim Pond  
UMass Extension 4-H Youth Development

**Storm Impacts**

**Analysis of the Effect of New Construction on Stormwater Runoff at UMass Amherst**

Thomas Carleton, Damien Dmitruk, Tyler Colvin, and Brendan Avery  
University of Massachusetts Amherst, Department of Civil and Environmental Engineering

**Visualizing Potential Flood Inundation Impacts in Conimicut, Rhode Island**

Greg Rowe  
Grove Geospatial

