

**Summer School**  
**MEGUG Annual Meeting 2010**  
**Eastland Park Hotel**  
**157 High St, Portland, ME**  
**June 25, 2010**

**8:00 – 8:45 Registration**

**8:45 – 9:00 Welcome**

**9:00 – 11:30 Morning Workshops (and 15 minute break)**

**Centralized Data Management Strategies**

*Longfellow Room B- Lower Level*

Speaker: Alan Hammersmith, ESRI

The geodatabase is the data storage and data management framework for ESRI's ArcGIS platform, providing a robust and scalable solution for the enterprise with multi-user editing, versioning, and replication capabilities. Explore data management strategies from a leading ESRI geodatabase expert to understand centralized data management fundamentals, and then take a deeper dive into the ESRI multi-user ArcSDE geodatabase with considerations for architecture design, workflows, administration, and tuning for performance. Multi-user editing scenarios and techniques for versioning and replication will also be covered. This workshop is designed to help those users who are familiar with ESRI's ArcSDE technology.

Alan Hammersmith is a consultant and instructor for ESRI who specializes in ArcGIS Server. He teaches courses on developing ArcGIS Server applications, database administration, and programming ArcObjects.

Moderator: Aimee Dubois

**Applied Geodesy**

*Sarah Orne Jewett Room – 2<sup>nd</sup> Floor*

Speaker: Elizabeth Teret, Blue Marble Geographics

When accuracy is important, the basics matter. This will be a discussion on basic concepts of geodesy and mapping. Some topics covered will include horizontal and vertical datums, methods of transformation between datums and their consequences, and the nuts and bolts of various map projections. We will examine how all the pieces add up and why every step is important.

Elizabeth Teret was hired by Blue Marble in 2009 as part of their applications support and quality assurance testing team. A 1993 graduate of Oberlin College, Ms. Teret has over ten years of experience as an educator and lecturer for the Princeton Review. Ms.

Teret supports GIS professionals and surveyors around the world and is an excellent translator of the challenging issues around the fundamentals of mapping.

Moderator: Michael Smith

### **CommunityViz**

*Marsden Hartley Room – 2<sup>nd</sup> Floor*

Speaker: Judy Colby-George, Spatial Alternatives

Participants will be introduced to CommunityViz, a GIS based decision support software. CommunityViz is an ArcGIS extension that adds interactive analysis tools and a decision making framework to the ArcGIS platform. The modules are designed to assist in viewing, analyzing, and understanding land use alternatives and their impacts. This class will provide an overview of the basic software, as well as detailed reviews of the Build Out and Land Use Designer Decision Tools. This class will include case studies from CommunityViz use in Maine and other states.

Judy Colby-George received her MS in Land Resources and her BS in Geography from the University of Wisconsin in Madison. She is the principal of Spatial Alternatives in Yarmouth.

Moderator: Steve Weed

**11:30 – 1:00 LUNCHEON – *Longfellow Room A- Lower Level***

**1:00 – 1:30 MEGUG Business Meeting – *Longfellow Room A- Lower Level***

**1:30 – 4:00 Afternoon Workshops (and 15 minute break)**

### **Close-range Photogrammetry**

*Longfellow Room B- Lower Level*

Speaker: Jason Wise, Wright-Pierce

### **Eye Candy You Can Measure**

Close-range photogrammetry is a technique for building spatially-accurate, three dimensional models from photographs. Using an ordinary camera and off-the-shelf software, you can create anything from a quick building model to a highly accurate model of a complex environment. By exporting the model into other software -- including free software -- you can produce truly photo-realistic images.

This workshop will cover the basics of close-range photogrammetry and show some real-world applications. We'll also show how to produce realistic renderings using a combination of software.

Jason Wise received his B.S. in Earth Science from Northland College and his M.S. in hydrology from New Mexico Tech. He is a co-founder of the Maine Utility GIS Group, NEURISA Board member and is presently the GIS Manager at Wright-Pierce.

Moderator: Dan Walters

**Flex Viewer for Web Mapping**

*Sarah Orne Jewett Room – 2<sup>nd</sup> Floor*

Speaker: Ben Ouellette, City of Portland

BS Geography/Anthropology

ESRI's Flex Viewer allows easy customization right from the start. Even if you don't have ArcGIS server running in your organization you can use the downloadable Flex Viewer to create a feature rich GIS application using free services published from other agencies all over the world. This workshop will cover how to download and configure ESRI's Sample Flex Viewer to create a robust web based GIS application

Benjamin Ouellette, GISP received a B.S. in Geography and Anthropology. He is currently employed as the GIS Manager for the City of Portland.

Moderator: Gretchen Heldmann

**Hands on workshop for NHD Tutorials for Water Quality Projects**

*Marsden Hartley Room – 2<sup>nd</sup> Level*

Speaker: Doug Suitor, Maine Dept. of Environmental Protection

As part of Maine's commitment to supporting the implementation of The National Hydrography Dataset, we have designed on-line NHD Tutorials that utilize Maine based data. Much of the data was developed along with statewide strategic goals for improved water quality and to enhance projects such as habitat restoration and the removal of barriers to natural waterways.

This hands-on workshop will guide you through the DEP tutorial, including tasks required to access and utilize data whether within or outside the state GIS system. We will focus on using NHD in everyday applications and will include entry-level thorough moderately functions: such as adding NHD data to display surface waters relative to road culverts to more advanced tasks that help determine areas targeted for watershed improvements.

Doug Suitor received a B.S. Zoology at the University of South Florida. He is currently employed by the Maine Department of Environmental Protection.

Moderator: Bridgit Kirouac

**Attendees will earn 0.2 CEUs for each workshop attended.**

**To register for this event, go to [www.megug.org](http://www.megug.org)**