



A Monthly Newsletter of the
National Geospatial Technology
Center of Excellence

Innovation in Geospatial Science and Technology Education

Empowering Colleges: Expanding the Geospatial Workforce

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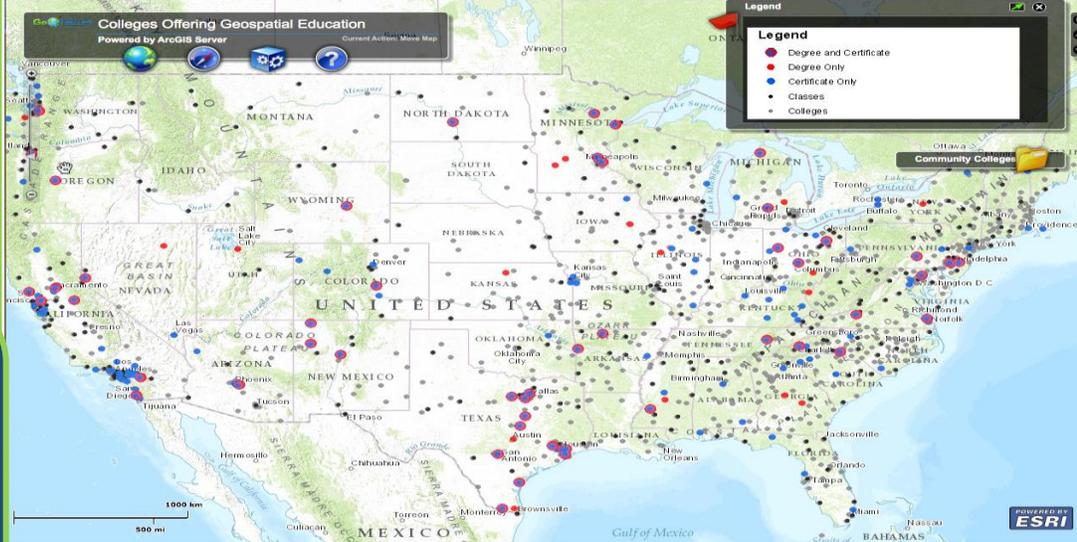
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The GeoTech Center is virtual, comprised of a Director, four Associate Directors, and nine Assistant Directors from institutions across the nation. The central office is located at Jefferson Community and Technical College in Louisville, KY.

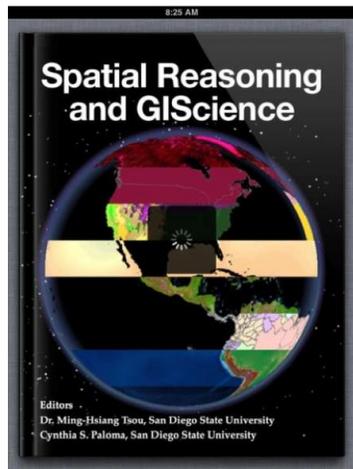
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Introduction to GIScience iBook Project

Concept

Many younger students today prefer interactive digital textbooks to print versions, and have access to iPads in K-12. The *Introduction to GIScience* textbook project provides you with a collaborative opportunity to engage students by contributing your GIScience content or expertise to a free interactive digital textbook formatted for iBooks on iPad. **You do not need an iPad to participate!** By exposing high school, community college and first-year university students to the many different facets of GIScience, this highly engaging medium may potentially serve as a springboard into deeper exploration of GIScience academic programs and careers.



Reasons for Creating the GIScience iBook

1. Traditional GIS Textbooks are very expensive and difficult to be updated.
2. Paper version textbooks are generally less engaging.
3. Most current GIS textbooks are not designed for CC students or for GE.
4. Most free online GIS books do not cover the depths of GIS and the balance between theories, technologies, and software.
5. Most GIS books do not focus on current job skills and labor force needs (defined by the GTCM).

This New GIS Book Is...

1. Fun to Read.
2. Based on GTCM technical content areas.
3. Balanced.
4. Inspiring.
5. Updated.

Demo Version

The DEMO version is available for download to your iPad today at:

<http://mappingideas.sdsu.edu:8080/Book/public/Download/view>

For more information, please contact Dr. Ming Hsiang-Tsou: mtsou@mail.sdsu.edu

SWC/SDSU GIS&T Summer Workshop

Overview

The National Geospatial Technology Center of Excellence, in partnership with Southwestern College (SWC) and San Diego State University (SDSU), will host the sixth annual NGTC Geospatial Technology Summer Workshop. The workshop will be held in the brand new Geospatial Technology Lab on the campus of SDSU from July 8 -10, 2014. The workshop will host high school and community college faculty who have previous experience using geospatial technology tools, including but not limited to one more of the following: Geographic Information Systems (GIS), remote sensing (RS), Global Positioning Systems (GPS), and cartography. Workshop participants will design and produce geospatial curriculum that can be used within a classroom setting.

This year's participants will be required to submit a proposal to attend the workshop. The proposal should include:

- A CV (maximum 2 pages) highlighting your interests.
- A Word document with the following information:
 - A statement describing your experiences using geospatial tools and what tools you have used (for example, ArcGIS Desktop, ArcGIS Online, mobile phones apps, digital probeware, digital imagery, Google Earth, etc.).
- A list of the coursework that you teach on a regular basis (this includes geospatial specific classes as well as other courses that you teach), or a list of course(s) that you will be teaching.
- A proposed classroom-based project that you would like to create (or augment) during your time at the workshop. Please limit this portion of the proposal to no more than 300 words (projects can range from a single class activity to a longer project).

Workshop Participants Will Receive:

- A \$700 stipend upon completion of the workshop and submission of curricular materials by the end of the workshop.
- Assistance in the creation of a geospatial project to be used in your class(es).
- Free registration to the annual ESRI Education User Conference held from July 14 - 18, 2014 in San Diego, CA (a \$175 value).

If you are interested in attending the workshop, or learning more about it, please contact either:

Professor Ken Yanow: kyanow@swccd.edu
Dr. Ming Tsou: mtsou@mail.sdsu.edu



GeoEd '14

Overview

The sixth annual GeoEd conference, GeoEd'14 - Geospatial Education Conference, will take place at Jefferson Community and Technical College on the Southwest Campus in Louisville, KY on June 11th. The Conference will feature talks by both educators and geospatial professionals. While the full agenda is still being finalized, we expect to have more than twelve speakers on a variety of subjects.

The following are the list of presently planned events for GeoEd '14:

- GeoEd'14 - Geospatial Education Conference - Wednesday, June 11, 2014 from 8:30 AM to 4:30 PM
- Georeferencing with Google Earth and ArcGIS - Monday, June 9, 2014 from 1:00 PM to 4:30 PM
- Introduction to Remote Sensing - Monday, June 9, 2014 from 8:30 AM to 4:30 PM
- Building a Campus Basemap - Monday, June 9, 2014 from 8:30 AM to 4:30 PM
- Succeeding with Coordinate Systems - Monday, June 9, 2014 from 8:30 AM to 12:00 PM
- Using ArcGIS Online as a Viable Alternative to Software - Tuesday, June 10, 2014 from 8:30 AM to 4:30 PM

Registration and Hotel Information:

The conference and associated workshops are **free** (sponsored by the National Science Foundation). For registration and hotel information, please visit:

<http://geotechcenter.weebly.com/geoed-14.html>

Or, contact Vince DiNoto: vince.dinoto@kctcs.edu

Register soon, as seats are being filled quickly.

