
CENTER FOR GEOGRAPHIC ANALYSIS NEWSLETTER

February 2009

HIGHLIGHTS

- Harvard GIS Institute – Summer 2009
- Spatial-Temporal Modeling Workshop
- GPS Workshop
- Open Source Tools, GIS UK Conference
- 2008 ESRI UC Technical Workshop Sessions now available
- HERO-CM Research Program
- 2009 National Geographic Award in Mapping
- International Conference on Geoinformatics
- Global Spatial Data Infrastructure Conference
- Google Earth 5.0 Released
- Policy Map
- Urban Planning: An Open Source Approach
- GIS For Dummies
- Satellite Imagery Art
- Norman B. Leventhal Map Collection
- Industry Outlook 2009: Survive and Thrive In a Changing World

CGA NEWS

Harvard GIS Institute – Summer 2009

This June the CGA will offer intensive training in geographic information systems. The program is designed for Harvard graduate students, post-doctoral fellows, and faculty who want to learn spatial analysis and apply GIS methods in their research.

The Harvard GIS Institute – Summer 2009 will take place on June 8-19, 9:30-5:00 every workday. Most activities will be held at the Science Center in Cambridge. Through the ten days, participants will be introduced to geographic information science and technology; spatial data development, management, and manipulation; spatial analysis concepts, tools, and procedures; hands-on use of ArcGIS and similar software; tours of GIS resources on campus, guest speakers from diverse disciplines introducing research with GIS in their fields; and one-on-one consultation and step-by-step guidance through the participants' individual projects. The last day of the program will be devoted to project presentations. For more information and to register:

<http://gis.harvard.edu/icb/icb.do?keyword=k235&pageid=icb.page148866>

Spatial-Temporal Modeling Workshop

On Friday, April 10th, 2009, we will host our annual full-day event: "Workshop on Spatial-Temporal Modeling -- Its implications across disciplines." It is sponsored jointly by the (CGA), and the Sigma Xi Harvard Chapter. This workshop is aimed at providing a high-level overview of this field, from theoretical research to industrial solutions and multi-disciplinary applications; from 4-dimensional database construction, object manipulation, to simulation and visualization. The audience will come from many disciplines, some with and some without previous experience in spatial-temporal modeling. The keynote address will give a general overview of the field, and the subsequent presenters from Harvard and other local institutions will show-case a sampler of current work in various disciplines. The break-out sessions will give beginners a selection of hands-on learning opportunities while experienced researchers engage in an in-depth discussion of the subject. The workshop's poster session will display a larger collection of relevant research activities at Harvard.

For more information and to register:

<http://gis.harvard.edu/icb/icb.do?keyword=k235&pageid=icb.page148866>

GPS Workshop

CGA is offering a hands on workshop that will introduce the concept and various uses of the Global Positioning System (GPS). Students will use mapping GPS devices in the field, and upload the mapped data into desktop and internet mapping applications. Intended (but not a requirement) for students / researchers who plan to use GPS for their field work. Register online at:

<http://gis.harvard.edu/icb/icb.do?keyword=k235&pageid=icb.page189848>

Open Source Tools

We've updated our website to include links to open source GIS software tools:

<http://gis.harvard.edu/icb/icb.do?keyword=k235&pageid=icb.page189840>

2008 ESRI UC Technical Workshop Sessions now available

These educational workshop videos are available online for Harvard affiliates. To view the topics and download scroll to the lower right of this page:

<http://gis.harvard.edu/icb/icb.do?keyword=k235&pageid=icb.page189868>

CONFERENCES

International Conference on Geoinformatics

This conference will be held August 12 – 14 in Fairfax, VA. More info: <http://www.geoinformatics2009.org>

Global Spatial Data Infrastructure Conference

This conference will be held June 15 to 19 in the Netherlands:

<http://gsdi.org/gsdi11/>

Open Source GIS-UK Conference

This conference will be held June 22 in Nottingham, UK:

<http://ica-opensource.scg.ulaval.ca/>

NEWS ON GIS RESEARCH AND SERVICES

HERO-CM Undergraduate Research Program

The Human Environment Regional Observatory - Central Massachusetts (HERO-CM) research program provides opportunities for undergraduate and graduate students to analyze the causes and consequences of global environmental changes at local scales in faculty-led research projects, sponsored by Clark University in Worcester, MA. Students admitted to the program will be paid \$4000 for 8 weeks, \$300/wk for room/board, transportation costs to/from Worcester, and, if their research productivity is good, an expenses-paid trip to the March 2010 annual meeting of the Association of American Geographers (in D.C.) to present their research results. Application deadline is March 1, 2009. More info and to apply:

<http://www.clarku.edu/hero>

2009 National Geographic Award in Mapping

Undergraduate students and master's-degree candidates are invited to apply for the National Geographic Award in Mapping, sponsored by the American Association of Geographers. This award recognizes student achievement in the art, science, and technology of mapping and seeks to encourage student research. The first place award consists of a cash prize of \$900 (U.S.) and the second place award is \$300 (U.S.). Both winners will also receive National Geographic map products. The deadline for submission is February 15, 2009. More info and how to apply: http://isites.harvard.edu/fs/docs/icb.topic35229.files/NatGeog_02_09.pdf

Google Earth 5.0 Released

Historical imagery and ocean floor mapping are included in this release. Download at:

<http://earth.google.com>

Policy Map

A nice site for mapping and downloading census data:

<http://www.policymap.com/index.html>

Urban Planning: An Open Source Approach

An investor supports open source GIS (GeoServer) to improve city planning and create more livable cities.

<http://blog.wired.com/business/2009/01/mark-gorton-ceo.html>

GIS For Dummies

This book signifies that GIS is truly a household term now: <http://www.amazon.com/GIS-Dummies-Computer-Tech/dp/0470236825>

Satellite Imagery Art

Artwork designed to be visible on satellite photos:

http://www.woostercollective.com/2009/02/jr_finishes_his_most_ambitious_project_y.html

Norman B. Leventhal Map Collection

An impressive map collection from the Boston Public Library, all viewable online:

http://maps.bpl.org/view_collection/

Industry Outlook 2009: Survive and Thrive In a Changing World

A comprehensive summary of 2008 geospatial events, and ponderings on the future of the industry:

<http://www.geoplace.com/ME2/dirmod.asp?sid=&nm=&type=Publishing&mod=Publications%3A%3AArticle&mid=8F3A7027421841978F18BE895F87F791&tier=4&id=B1C369D0855C47CFBB7380EC4F82227B>

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<http://www.gis.harvard.edu/icb/icb.do?keyword=k235&pageid=icb.page22830>

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