



# Five College GIS Day

November 2, 2007 UMass-Amherst

## Join us for an illuminating day of academic applications of Geographic Information Systems!

GIS (Geographic Information Systems or Geographic Information Science) is an interdisciplinary field to view and manage information about geographic places, analyze spatial relationships and model spatial processes based on an integrated collection of computer software and data use. With software packages such as ESRI ArcGIS and Google Earth, GIS technology is pervasively used for scientific investigations, resource management, asset management, environmental impact assessment, urban planning, cartography, criminology, history, economics, marketing, logistics, etc. The real-world applications of GIS make a tremendous difference in our society.

All day event: **Aerial Photography of Massachusetts 1950s-2000**, Map Collection in Du Bois Library (the 2nd floor).

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Morning, noon, and poster sessions are in W.E.B. Du Bois Library Learning Commons (Ground Floor).

### 10:00 - 11:00 **Open Standards at MassGIS: A Success Story**

#### **Making an On-Line Map Using Your Data along with the MassGIS Web Services**

**Saul Farber, Aleda Freeman**

Massachusetts Office of Geographic and Environmental Information (MassGIS)

### 11:15 - 12:15

**Michael Ash, Ph.D.**,

Associate Professor, Economics and Public Policy University of Massachusetts, Amherst  
Affiliate, Political Economy Research Institute and Labor Relations Research Center

*Prof. Ash's research interests include environmental justice, civil rights and health, healthcare workers, and empirical microeconomics.*

### 12:30 - 1:15 **Lunch Panel: Involving GIS in teaching at Five College**

*How GIS skills help students learn across multiple disciplines;*

*Pedagogy of integrating GIS in classes.*

**Thomas. Millette** – Mt Holyoke College, Prof. of Earth and Environment and Director Geoprocessing Lab

**Mark Lindhult** – UMass, Prof. of Landscape Architecture and co-director of the Campus Planning Group

**Peter D. Crowley** - Amherst College, Prof. of Geology

**Denise Lello** - Smith College, Professor of Plant Ecology

**Steve Roof** - Hampshire College, Associate Professor of Earth and Environmental Science

### 1:30 - 3:00 **GIS Poster Session**

**Everyone is invited to set up posters demonstrating academic applications of GIS.**

The best poster will win a GPS receiver! **Go online and submit a poster.**

All attendees have a chance to get an ESRI T-shirt through raffle.

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Keynote session is in Isenberg School of Management Room 137.

### 3:30 - 4:30 **Keynote: GIS and Spatial Social Science**

**Mei-Po Kwan, Ph.D.**, Distinguished Professor of Social and Behavioral Sciences and

Professor of Geography, Ohio State University, Editor of Annals of Association of American Geographers

*Prof. Kwan's research focuses on urban, transportation, and economic geography, applying GIS methods to study the impact of recent social, economic, and political changes on people's everyday lives, as manifested through the geographies of their daily activities.*

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All events are free and open to the public. For more information, visit <http://www.geo.umass.edu/gisday/>.

Five College GIS Day is supported by contributions from Geosciences, Library and Earth Science Information Office at the University of Massachusetts; the Spatial Analysis Lab and the Environmental Science and Policy Program at Smith College, the Department of Geology and Geography at Mt. Holyoke College, Five Colleges, Inc., and Massachusetts Geographic Information Council.