

# Christopher D. Lippitt

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## Education

2001 to present: Clark University, Worcester, MA  
*B.A. in Geography (May 2005) w/ High Honors, M.A in Geographic Information Science (Expected May 2006)*  
*Overall GPA: 3.73 Current GPA: 4.2 (4.0 scale)*

## Honors and Awards

**First Place- AAG 2006 Geographic Information Systems and Science Specialty Group Honors Student Paper Competition**, *Awarded by Geographic Information Systems and Science Specialty Group, 2005*  
**University Scholarship Award**, *Awarded by United States Geospatial Intelligence Foundation, 2005*  
**First Place- NESTVAL Graduate Student Poster Competition**, *Awarded by NESTVAL, 2005*  
**Research Assistantship Award**, *Awarded by Clark University Graduate School of Geography, 2005*  
**IDRISI Excellence in Geographic Information Science Award**, *Awarded by Clark Labs, 2005*  
**Peter J. Condakes Summer Research Fellowship Award**; *Awarded by Clark U. School of Geography, 2004*  
**AAG Remote Sensing Specialty Group Honors Student Paper Competition Undergraduate Award**; *Awarded by Remote Sensing Specialty Group, 2004 & 2005*  
**President- Gamma Theta Upsilon, International Geographical Honor Society**; *Clark U. Chapter, 2004*  
**Hank Emery Award**; *Awarded by Geospatial Information Technology Association, 2004*  
**Human Environment Regional Observatory Fellowship**; *Awarded by George Perkins Marsh Institute, 2003, 2004, & 2005*  
**John O'Connor Award for Excellence in Environmental Studies**; *Awarded by Clark University, 2004*  
**President- Clark University Undergraduate Geography Association**; *Elected 2004*

## Work Experience

February 2005- Present: Research Associate  
Clark Labs, Worcester, MA.  
Project: Modeling United States gypsy moth infestation risk for the USDA APHIS

January 2005-Present: Technology Officer  
Central Massachusetts Regional Environmental Council  
Responsibilities: Hardware/Software/Network Support and Purchasing

July 2004-Present: Idrisi Kilimanjaro Technical Support Specialist/Developer  
Clark Labs, Worcester, MA.  
Responsibilities: Customer Support, Support Literature Development, Software Testing

Summer 2004: John O'Connor Human Environment Regional Observatory Fellow  
George Perkins Marsh Institute, Worcester, MA  
Project: Establishing deforestation monitoring program in collaboration with Harvard Forest

Summer 2003: Human Environment Regional Observatory Fellow  
George Perkins Marsh Institute, Worcester, MA  
Project: Investigating change-analysis error propagation and building a historical database

## Relevant Coursework

Advanced Remote Sensing	Quantitative Modeling	NASA UAVSDP Project
Digital Image Processing	GIS & Local Planning	Adv. Topics in GIS
Landscape Ecology	Ecological Modeling	Research Design

## Computer Skills

Idrisi image processing and GIS	Erdas Imagine image processing	VBA programming
Adobe Photoshop and Illustrator	Microsoft Word, Excel, PowerPoint	R2V- <i>Vectorizing software</i>
ArcGIS, ArcVeiw	Hardware and network support	Cartalinx

## **Publications**

Holden, M.T., C. Lippitt, R. G. Pontius, Jr., and C. Williams, 2003. Building a Database of Historical Land Cover to Detect Landscape Change. *Biological Bulletin* 205: 257-258.

R. G. Pontius and C. D. Lippitt. 2004. A method to distinguish real landscape change from map error during map comparison. *Conference Proceedings of the joint meeting of The Fifteenth Annual Conference of The International Environmetrics Society and The Sixth Annual Symposium on Spatial Accuracy Assessment in Natural Resources and Environmental Sciences. Portland ME.*

R. G. Pontius and C. D. Lippitt. (In Press). Methods to distinguish landscape change from map error. *Cartography and Geographic Information Science.*

## **Oral Presentations**

2006- A model of Gypsy moth infestation risk for the conterminous United States. – Annual Meeting of the Entomological Society of America, Eastern Branch, Charlottesville, VA.

2006- A framework for modeling invasive species risk – Annual Meeting of the Association of American Geographers. Chicago, IL.

2005- Incorporating human interaction variables into a non-parametric decision support system – Annual Gypsy Moth Review. Philadelphia, PA.

2005- Subtle change detection using machine learning- Annual meeting of the American Society for Photogrammetry and Remote Sensing. Baltimore, MD.

2005- Subtle change detection using machine learning- Annual meeting of the Association of American Geographers. Denver, CO.

2004- Distinguishing true change from map error during map comparison- the joint meeting of The Fifteenth Annual Conference of The International Environmetrics Society and The Sixth Annual Symposium on Spatial Accuracy Assessment in Natural Resources and Environmental Sciences. Portland, ME.

2004- Distinguishing true change from map error during map comparison- Association of American Geographers centennial meeting. Philadelphia, PA.

## **Poster Presentations**

2005- The Massachusetts Forest monitoring Program- NESTVAL 2005, Keene, NH.

2005- The State of the Art of Land-use Change Modeling- Worcester Consortium 2005 Symposium. Worcester, MA.

2005- Timber Harvest Detection Using Change Vectors- Clark University's Academic Spree Day. Worcester, MA.

2005- The Massachusetts Forest Monitoring Program- Worcester Consortium 2005 Symposium. Worcester, MA.

2004- Land-change model comparison- Integrated assessment of the land system: the future of land use. Amsterdam, The Netherlands.

2004- The Massachusetts Forest Monitoring Program- Clark University's Fall Fest. Worcester, MA.

2004- Land-change model comparison- Clark University's Fall Fest. Worcester, MA.

2003- Distinguishing true change from map error during map comparison- Clark University's Academic Spree Day. Worcester, MA.

2003- Building a historical database of land cover/use- Clark University's Fall Fest. Worcester, MA.

## **Memberships**

2004- Present: American Congress on Surveying and Mapping

2004- Present: Cartography and Geographic Information Society

2004- Present: Geographic and Land Information Society

2004- Present: American Society for Photogrammetry and Remote Sensing

2004- Present: New England Geospatial Technology Association

2004- Present: The International Environ metrics Society

2004- Present: National Geographic Society

2002- Present: Association of American Geographers