

Eric Bradway Wolf

1903 Redtop Court, Longmont, CO 80503
(720) 334-7734 eric@giscientist.com

Educational Summary

- 2006- Pursuing MA in Geography, University of Colorado, Boulder, Colorado
Thesis: Item Level Metadata in Volunteer Geographic Information
Advisor: Dr. Barbara Battenfield
Anticipated Completion: Spring 2012
- 2004-2006 MS Geographical Information Sciences, Online, Northwest Missouri State University,
Maryville, Missouri
Thesis: Low-Cost Large-Scale Aerial Photography and the Upland South Folk Cemetery
Advisor: Dr. Ming-Chih Hung
- 1988-2004 BS Applied Mathematics, University of Tennessee at Chattanooga, Chattanooga,
Tennessee

Professional Experience

- 2008- *Geographer, Center of Excellence in GIScience, US Geological Survey*
- 2006-2008 *Research Assistant, University of Colorado at Boulder*
- 2002-2005 *GIS Support Specialist, University of Tennessee at Chattanooga*
- 2000-2001 *E-Commerce Architect, QDebit.com*
- 1998-2000 *Consultant, Hacker for Hire, Inc.*
- 1997-1998 *Codesmith, Cyberflix, Inc.*
- 1995-1997 *Senior Programmer, Microleague Multimedia, Inc.*
- 1990-1995 *Vice President of Software Development, Signal Data, Inc.*

Association Memberships

1. Institute of Electrical and Electronics Engineers (IEEE), Member since 2004
2. Association of American Geographers (AAG), Member since 2004
3. North American Cartographic Association (NACIS), Member since 2006
4. Cartography and Geographic Information Society (CaGIS), Member since 2007
5. Geospatial Information & Technology Association (GITA), Member since 2008

Service Positions

Vice-Chair, Free and Open Source Geospatial Software, Cyber-infrastructure Specialty Group, 2009-2010
Scientific Review Committee, Free and Open Source Software for Geospatial (FOSS4G) Conference 2011
Reviewer, International Journal of Geographic Information Science, 2011-Current

Publications (Refereed)

- Poore, B.S. and **E.B. Wolf**. 2012 - in press. Metadata Squared: Enhancing its usability for volunteered geographic information and the GeoWeb In: Sui, D.Z., Elwood, S. and Goodchild, M.F. eds., *Volunteered Geographic Information, Public Participation, and Crowdsourced Production of Geographic Knowledge*. Berlin: Springer.
- Wolf, E.B.**, B.S. Poore, G.D. Matthews and K. McNinch. 2011. *OpenStreetMap Collaborative Prototype, Phase One: U.S. Geological Survey Open-File Report*. Denver, CO: U.S. Geological Survey. 15 pp. <<http://pubs.usgs.gov/of/2009/1222/>>.
- Wolf, E.B.** 2009. Ontology-Driven Generalization of Cartographic Representations by Aggregation and Dimensional Collapse In: Bernstein, A., Karger, D. R., Heath, T., Feigenbaum, L., Maynard, D., Motta, E. and Thirunarayan, K. eds., *International Semantic Web Conference*. Chantilly, VA: Springer Berlin / Heidelberg, pp. 990-997.
- Wolf, E.B.** and K. Howe. 2009. Web-Client Based Distributed Generalization and Geoprocessing In: *Advanced Geographic Information Systems & Web Services, 2009. GEOWS '09. International Conference on*. pp. 123-128.
- Wolf, E.B.** and B.P. Buttenfield. 2008. Dimensional Collapse and Airports in Multi-scale Mapping In: *17th International Research Symposium on Computer-based Cartography*. Shepherdstown, WV.
- Wolf, E.B.** 2005. Low-Cost Large-Scale Digital Aerial Photography and the Upland South Folk Cemetery. Masters Thesis, Northwest Missouri State University, Department of Geography and Geology. <<http://www.alt-perspectives.com/WolfThesis.pdf>>.

Publications (Non-Refereed)

- Wolf, E.B.**, B.S. Poore, H.K. Caro and G.D. Matthews. 2011. *Volunteer Map Data Collection at the USGS: U.S. Geological Survey Fact Sheet 2011-3103*. 2 pp. <<http://pubs.usgs.gov/fs/2011/3103/>>.
- Wolf, E.B.** 2010. Introduction to the Semantic Web. *ACSM Bulletin 245*. <<http://www.webmazine.org/issues/bull245/documents/semanticWeb.pdf>>.
- Wolf, E.B.** 2010. DIY GIScience: Neogeography. *ACSM Bulletin 244*. <<http://www.webmazine.org/issues/bull244/documents/neogeography.pdf>>.
- Wolf, E.B.** 2009. Cloud Computing Explained. *ACSM Bulletin 242*. <http://cegis.usgs.gov/pdf/Cloud_Computing_Explained.pdf>.
- Wolf, E.B.** 2009. Ontology-driven Generalisation. *Ordnance Survey Think Tank on Research Challenges in Automated Generalisation and Cartographic Modelling*. University of Nottingham, UK.
- Wolf, E. B.** 2005. Creating Contiguous Cartograms in ArcGIS 9 In: *ESRI International Users Conference*. San Diego, CA.

Presentations

- Wolf, E.B.** 2011. The OpenStreetMap Collaborative Prototype. *2011 NC GIS Raleigh, NC*: pages.
- Wolf, E.B.** 2010. OpenStreetMap and the US Geological Survey. *WhereCamp5280 2011 Denver, CO*: pages.
- Wolf, E.B.** 2010. SDIs for Neogeographers In: *Annual Meeting of the Association of American Geographers*. Washington, D.C.
- Wolf, E.B.**, K. Howe, M.B. Finn and B.S. Poore. 2009. Functional Analysis for The National Map Server-side Computing In: *Annual Meeting of the Association of American Geographers*. Las Vegas, NV.
- Wolf, E.B.** and B.P. Buttenfield. 2008. Dimensional Collapse and Airports in Multi-scale Mapping In: *17th International Research Symposium on Computer-based Cartography*. Shepherdstown, WV.
- Wolf, E.B.** and B.P. Buttenfield. 2007. A Hierarchical Vector Data Model for Distributed Geospatial Processing In: *Association of American Geographers Annual Meeting*. San Francisco, CA.