

CURRICULUM VITAE OF KARL E. GROSSNER
Denver, Colorado US
September, 2021

EDUCATION

Doctor of Philosophy in Geography, University of California, Santa Barbara, December, 2010
Representing Historical Knowledge in Geographic Information Systems
Supervised by Michael F. Goodchild

Bachelor of Science in Instructional Technology, California State University, Chico, June 2005, *summa cum laude*

RESEARCH INTERESTS

Knowledge representation for geographic and geo-historical information systems; computational representations of place and time; event-centered ontologies; historical geographical movement; spatial thinking and learning; digital atlases of history and culture

POSITIONS HELD

Technical Director, *World Historical Gazetteer* project,
University of Pittsburgh World History Center, May 2017 – present

Digital Humanities Research Developer, Center for Interdisciplinary Digital Research (CIDR),
Stanford University Libraries, January 2012 – September 2016

Research Specialist, Center for Spatial Studies,
University of California, Santa Barbara, 2010-2011

Founder and President, World Heritage Web, Inc., Palo Alto, CA,
a 501(c) (3) California nonprofit corporation, 2003 - 2017

Software Product Design Manager, Netage, Inc., West Newton, MA, 1999-2001

INTERACTIVE SCHOLARLY WORKS

Mostern, R., Grossner, K. *World Historical Gazetteer*. Role(s): Co-investigator; Technical Director; Lead Developer. <http://whgazetteer.org> (v2.0, August 2021)

Ligda, K., Grossner, K. (2016). *Authorial London*. Role(s): Co-investigator; lead designer/developer. <http://authorial.stanford.edu>

Hodder, I., Grossner, K., Engel, C., and Meeks, E. (2014). *Çatalhöyük Living Archive*. Role(s): Research design and lead developer. <http://catalhoyuk.stanford.edu>

Christensen, J., Grossner, K., and Meeks, E. (2013). *City Nature*. Role(s): Research design and lead developer. <http://citynature.stanford.edu>

Scheidel, W., Meeks, E., Grossner, K. (2012). *ORBIS: The Stanford Geospatial Network Model of the Roman World*. (v1). <http://orbis.stanford.edu/orbis2012>. Role: Web application developer.

PUBLICATIONS

Grossner, K. (2017). Spatial Concepts. in D. Richardson, N. Castree, M. Goodchild, W. Liu, A. Kobayashi, & R. Marston (Eds.) *The International Encyclopedia of Geography: People, the Earth, Environment, and Technology*. Hoboken, NJ: Wiley/AAG

Grossner, K., Janowicz, K. and Keßler, C. (2016). Place, Period, and Setting for Linked Data Gazetteers. In R. Mostern, H. Southall, and M.L. Berman (Eds.). *Placing Names: Enriching and Integrating Gazetteers*. Bloomington: Indiana University Press.
http://kgeographer.org/pubs/Place_Period_Setting.pdf

- Engel, C., and Grossner, K. (2015). The Archaeological Process at Çatalhöyük: Creating A Living Archive. In I. Hodder, A. Marciniak (Eds.) *Themes in Contemporary Archaeology: Assembling Çatalhöyük*. Maney Publishing.
- Grossner, K., and Janelle, D.G. (2014). Concepts and Principles for Spatial Literacy. In D.R. Montello, K. Grossner, and D.G. Janelle (Eds.). *Space in Mind: Concepts for Spatial Learning and Education*. Cambridge, MA: MIT Press.
- Montello, D.R., Grossner, K., Janelle, D.G. (Eds.) (2014). *Space in Mind: Concepts for Spatial Learning and Education*. Cambridge, MA: MIT Press.
- Goodchild, M. F., Janelle, D. J., and Grossner, K. (2014). Critical Spatial Thinking. In R. Stimson (Ed.). *Handbook of Research Methods and Applications in Spatially Integrated Social Science*. Edward Elgar Publishing.
- Meeks, E., and Grossner, K. (2012). Modeling Networks and Scholarship with ORBIS. *Journal of Digital Humanities 1, no. 3 (Summer 2012)*. <http://journalofdigitalhumanities.org/1-3/modeling-networks-and-scholarship-with-orbis-by-elijah-meeks-and-karl-grossner/>
- Grossner, K. (2012). Finding the spatial in order to teach it. In Kastens, K.A. & Manduca, C.A. (Eds.) GSA Special Paper 486, *Earth and Mind II: A Synthesis of Research on Thinking and Learning in the Geosciences*, pp. 87-90
- Grossner, K. (2010). *Representing historical knowledge in geographic information systems*. Ph.D. dissertation, University of California, Santa Barbara, United States -- California. ProQuest Dissertations & Theses. (Publication No. AAT 3439428). http://kgeographer.org/pubs/Grossner_dissertation_2010.pdf
- Grossner, K. (2010). Event objects for spatial history. In R. Purves, R. Weibel (Eds.) *Extended Abstracts Volume, GIScience 2010, Zurich*. Retrieved from http://www.giscience2010.org/pdfs/paper_185.pdf
- Grossner, K. (2010). Geolibraries. In B. Warf (Ed.) *Encyclopedia of Geography*. Los Angeles: SAGE.
- Grossner, K., Goodchild, M. and Clarke, K. (2008). Defining a digital earth system. *Transactions in GIS*, 12(1):145-160.
- Grossner, K. and Clarke, K. (2007). Is Google Earth, 'Digital Earth?' – Defining a vision. In *Proceedings of the 5th International Symposium on Digital Earth*, Berkeley, CA.

INVITED TALKS, PANELS, AND WORKSHOPS

- World Historical Gazetteer* (Workshop convener and presenter). Linked Pasts 6. 10-11 December 2020.
- Representing Place in World Historical Gazetteer*. Speaker Series: Knowledge Representation and GeoHumanities; UC Santa Barbara Center for Spatial Studies; October 27, 2020.
- World Historical Gazetteer*, The Linked Open Data Workshop for Buddhist and Tibetan Studies. One-day Conference (Keynote and workshop leader). Columbia University; November 2019.
- Introducing World Historical Gazetteer* (Workshop co-convener and facilitator). IISG; Amsterdam, Netherlands; October 2019.
- Event Objects for Linked Pasts* (Keynote and discussion co-leader) Archaeological and Historical Event Modeling as Linked Data. Ghent, Belgium; September 2019
- Linking Pasts with Names*, (Panel co-convener and speaker). Association for Computing in the Humanities. Pittsburgh, PA; July 2019
- Linked People* (discussion session). Linked Pasts IV symposium (co-convener). University of Mainz; December 2018

World Historical Gazetteer, (Invited talk). Third International DH Slavery Workshop. Vanderbilt University; May 2018

Linked Places → *Linked Pasts* (Invited talk; session co-convenor). First US Semantic Technologies Symposium. Wright State University; March, 2018.

Linking Pasts with Historical Gazetteers (Invited talk). Vanderbilt University Library, November 2017.

From Linking Places to a Linked Pasts Network (white paper). Linked Pasts III symposium (co-convenor), Stanford University; December 2017.

Spatial Discovery III Expert Meeting. (Expert meeting: invited participant). University of California, Santa Barbara, May 2019. (<http://spatial.ucsb.edu/2019/spatial-discovery-3>).

Linked Place, Linked Pasts (Position paper, invited participant). Spatial Discovery II Expert Meeting, University of California, Santa Barbara, June 2017. (<http://spatial.ucsb.edu/2017/spatial-discovery-2>).

Joining Place and Period in Historical Gazetteers (Workshop: invited presenter) in A place for places: current trends and challenges in the development and use of geo-historical gazetteers. Digital Humanities 2016; Krakow, Poland; July 2016.

A Next-Stage Digital Geo-library (Position paper, invited participant). Expert Meeting on Spatial Discovery, University of California, Santa Barbara; June 2015. (<http://spatial.ucsb.edu/2015/spatial-discovery>).

Geospatial Narrative: Perspectives from the humanities, cartography, and geographic information science. (Half-day workshop, organizer, participant). Center for Interdisciplinary Digital Research; Stanford University; May, 2015.

Geographic Search (Position paper, invited participant) in Spatial Search specialist workshop, University of California Santa Barbara Center for Spatial Studies; 8-9 December 2014

Setting a Research and Development Agenda for Moving Historical Geodata to the Web. Invited workshop at New York Public Library, 5-7 November 2014

NEH World-Historical Gazetteer Workshop. (Invited participant). University of Pittsburgh, 4-5 September 2014

ORBIS: First of many worlds? (Invited talk). World Seastems Workshop. Paris; June 2014

Issues in Spatio-Temporal Technologies for the Humanities and Arts (Conference panel: panelist with Eide, Ø., Berman, M.L. and Ore, C-E.) at Digital Humanities 2013, Lincoln, NE US

Mapping time, space, and narrative (Workshop: invited presenter), University of Chicago Department of Slavic Languages & Literatures, 5-6 Apr 2013

Geo-ontology Design Patterns GeoVoCampSB2012 (Workshop, co-organized with Krzysztof Janowicz), Santa Barbara, CA, February 2012

Towards an Emergent Spatial History Ontology (Invited talk) World Historical Dataverse monthly workshop, World History Center at University of Pittsburgh; October 2011

Modeling Event-Based Historical Narratives: A Conversation between Digital Humanists, Information Scientists and Computer Scientists (Panel, co-organizer), Digital Humanities 2011, Stanford University, June 2011

SELECTED CONFERENCE PAPERS AND POSTERS

Grossner, K. (2019). *World Historical Gazetteer*. Digital Humanities 2019, Utrecht

Grossner, K. (2019). *Time in Place for Historical Gazetteers*. Time in Space 2019, Pisa

Grossner, K. (2017). *Linked Places*. Digital Humanities 2017, Montreal

- Grossner, K., and Ligda, K. (2016). *Authorial {X}: A research and teaching platform for literary geography* (poster). Digital Humanities 2016, Krakow, Poland
- Weimer, K., and Grossner, K. (2016). *The GeoHumanities Special Interest Group of ADHO: Fostering and Facilitating the Spatial Turn* (poster). Digital Humanities 2016, Krakow, Poland
- Grossner, K., Hodder, I., and Engel, C. (2015). *Towards a Living Archive for Çatalhöyük* (poster), Computer Applications in Archaeology 2015, Siena, Italy.
- Grossner, K. (2015) *Joining Place and Period in Settings*. Association of American Geographers (AAG), Chicago
- Grossner, K. and Meeks, E. (2014). *Topotime: Representing historical temporality*. Proceedings of Digital Humanities 2014, Lausanne, Switzerland
- Grossner, K., Hodder, I., Meeks, E., and Engel, C. (2014). *A Living Archive for Çatalhöyük* (poster). Computer Applications in Archaeology 2014, Paris, France.
- Grossner, K., Meeks, E., and J. Christensen (2013). *Naturehoods: Measuring City Nature at Neighborhood Scale*, Association of American Geographers (AAG), Los Angeles
- Grossner, K. (2013). *Computing Place*. Proceedings of Digital Humanities 2013, Lincoln, NE.
- Grossner, K. and Adams, B. (2011) *COSIT at 20: Measuring research trends and interdisciplinarity*, Conference on Spatial Information Theory (COSIT 2011); Belfast, ME. Retrieved from http://www.kgeographer.org/assets/cosit2011-poster-paper_Grossner_Adams.pdf
- Grossner, K., (2008) *An Ontology-Driven Data Model for a Digital Historical Atlas*, Historical GIS 2008 (HGIS2008), University of Essex, Colchester, UK

GRANTS

- Grant co-author and Technical Director on National Endowment for the Humanities grant award, “World-Historical Gazetteer.” (2017-2020)
- Grant co-author and principle researcher on National Science Foundation grant award, “TeachSpatial: A Portal to Instructional Resources on Spatial Concepts for STEM Education.” (2010 NSF-DUE #1043777)

TECHNICAL COMPETENCIES

- Software development: Python, Django, JavaScript, Rails, HTML
- Data stores: PostgreSQL, PostGIS, Elasticsearch, MySQL
- Sysadmin: Ubuntu, CentOS, RedHat

SELECTED AWARDS

- University of California Graduate Opportunity Fellowship, 2009-1010
- Jack and Laura Dangermond Graduate Fellowship in GIScience, 2009
- National Science Foundation IGERT Fellowship in Interactive Digital Multimedia, UC Santa Barbara, 2005-2008

REVIEWS

- International Journal of Geographic Information Science; Digital Scholarship in the Humanities; Semantic Web Journal; European Research Council; Antiquity; Digital Humanities conference series

PROFESSIONAL MEMBERSHIPS

- Co-founder and co-chair, GeoHumanities SIG, an ADHO Special Interest Group, 2013 – 2017; Association of American Geographers, 2005 –; Association for Computers and the Humanities, 2011 –