

Curriculum Vitae

Alexander Savelyev

Instructor and Research Assistant, Department of Geography, Pennsylvania State University.

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Education history:

- 2015 Doctor of Philosophy in Geography – “Beyond Labels: Geovisualization of Textual Data”, Pennsylvania State University, PA, USA – **expected in May, 2015.**
- 2012 PhD Candidate, ABD, Pennsylvania State University, PA, USA.
- 2008 Master of Arts in Geography, University of Northern Iowa, IA, USA.
- 2008 Cartography and GIS Certificate, University of Northern Iowa, IA, USA.
- 2006 Diploma of Specialist (summa cum laude, eq. BS) in Cartography, Saint Petersburg State University, Saint Petersburg, Russia.

Appointments:

- 2014 – present Research Assistant, GeoVISTA Center, Department of Geography, Pennsylvania State University.
- Fall 2013 Instructor, Department of Geography, Pennsylvania State University.
- 2010 – 2013 Research Assistant, GeoVISTA Center, Department of Geography, Pennsylvania State University.
- 2009 – 2010 Research Associate, GeoTREE Center, Department of Geography, University of Northern Iowa.
Teaching Assistant, Department of Geography, University of Northern Iowa.
- 2007 – 2009 Research Assistant, GeoTREE Center, Department of Geography, University of Northern Iowa.

Peer-reviewed publications:

Savelyev, A. and MacEachren, A.M. "Interactive, Browser-based Information Foraging in Heterogeneous Space-Centric Networks." *Special issue of Cartography and Geographic Information Science*, 2015 (submitted).

Savelyev, A. and MacEachren, A.M. "Interactive, Browser-based Information Foraging in Heterogeneous Space-Centric Networks." *GeoVisual Analytics: Interactivity, Dynamics, and Scale Workshop at Eighth International Conference on Geographic Information Science, Vienna, 2014.*

Blanford, J.I., Bernhardt, J., **Savelyev, A.**, Wong-Parodi, G., Carleton, A.M., Titley, D.W. and MacEachren, A.M. "Tweeting and Tornadoes." *In 11th International ISCRAM Conference, 2014.*

Robinson, A.C., **Savelyev, A.**, Pezanowski, S. and MacEachren, A.M. "Understanding the Utility of Geospatial Information in Social Media." *In 10th International ISCRAM Conference, 2013.*

Savelyev, A. (2013) Multiview User Interface Coordination in Browser-Based Geovisualization Environments (Demo Paper). *The 1st ACM SIGSPATIAL Workshop on Map Interaction in conjunction with the ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (GIS), Orlando, FL.*

Robinson, A.C., **Savelyev, A.**, Pezanowski, S. and MacEachren, A.M. 2013: Understanding the Utility of Geospatial Information in Social Media. In Comes, T., Fiedrich, F., Fortier, S., Geldermann, J. and Yang, L., editors, *Proceedings of the 10th International ISCRAM Conference*, Baden-Baden, Germany: ISCRAM, 918-922.

Savelyev, A., Janowicz, K., Thatcher, J., Xu, S., Mülligann, C. and Luo, W. (2011) Volunteered Geographic Services: Developing a Linked Data Driven Location-based Service. *SIGSPATIAL International Workshop on Spatial Semantics and Ontologies in conjunction with the ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (GIS), Chicago, IL.*

MacEachren, A.M., Jaiswal, A., Robinson, A.C., Pezanowski, S., **Savelyev, A.**, Mitra, P., Zhang, X. and Blanford, J. (2011) SensePlace2: GeoTwitter Analytics Support for Situational Awareness. Miksch, S. and Ward, M., editors, *IEEE Conference on Visual Analytics Science and Technology*, pp. 181 - 190, Providence, RI.

Thatcher, J., Mülligann, C., Luo, W., Xu, S., Guidero, E., **Savelyev, A.** and Janowicz, K. (2011) Hidden Ontologies - How Mobile Computing Affects the Conceptualization of Geographic Space. *Workshop on Cognitive Engineering for Mobile GIS 2011 (CEMob2011) in conjunction with the ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (GIS) 2011, vol. 780, Chicago, IL.*

MacEachren, A.M., Robinson, A.C., Jaiswal, A., Pezanowski, S., **Savelyev, A.**, Blanford, J. and Mitra, P. (2011) Geo-Twitter Analytics: Applications in Crisis Management. *25th International Cartographic Conference, Paris, France.*

Savelyev, A. & Sugumaran, R. (2008) Surface Temperature Mapping of the University of Northern Iowa Campus Using High Resolution Thermal Infrared Aerial Imageries, *Sensors*, 8 (8) 5055-5068.

Dissertations and theses:

Savelyev, A. (2008). *Surface temperature mapping of the University of Northern Iowa campus using high resolution thermal infrared aerial imagery*. Master's thesis, University of Northern Iowa.

Conference presentations (without refereed paper):

NACIS 2013 Annual Conference, Greenville, SC – *Exploratory Visualization of Movement Patterns in Twitter Data*.

AAG 2012 Annual Conference, New York, NY – *Analysis of Methods for Representing and Interacting with Qualitative Geographic Information*.

AAG 2010 Annual Conference, Washington, DC – *Development of the OpenSDSS*.

ASPRS 2008 Annual Conference, Portland, OR – *Surface Temperature Mapping of the University of Northern Iowa Campus*.

Un-conference activities:

Sheep Camp 2012 (Working with Big and User Generated Geographic Data), Lexington, KY – *Methods for Representing and Interacting with Qualitative Geographic Information*.

Fellowships and awards:

2009 Outstanding Master's Thesis Award, University of Northern Iowa.

2007 – 2009 Research Assistantship in the NASA project at the University of Northern Iowa.

2007 – 2009 Graduate Scholarship Award, University of Northern Iowa.

Research projects:

SensePlace2: GeoTwitter Analytics Support for Situational Awareness.

Volunteered Geographic Services: Developing a Linked Data Driven Location-based Service.

Development of the OpenSDSS Framework.

Surface Temperature Mapping of the University of Northern Iowa Campus Using High Resolution Thermal Infrared Aerial Imagery.

ArcGIS Customization for Decision Support: School Redistricting in Cedar Falls.

Digital Image Classification Taught Using Web-Based Interactive Learning.

Professional service:

2013 *Elected Graduate Representative* at the Department of Geography, Pennsylvania State University.

Professional memberships:

Association of American Geographers (AAG)

American Society for Photogrammetry and Remote Sensing (ASPRS)

North American Cartographic Information Society (NACIS)

Institute of Electrical and Electronics Engineers (IEEE)