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Professional Preparation

Moscow State University, Moscow, Russia	M.A. Geography	1985
USSR Academy of Sciences Moscow, Russia	Ph.D. Equivalent	1990
University of Washington	Ph.D. Geography	1995

Appointments

2000	Director, Spatial Information Systems Laboratory, San Diego Supercomputer Center
1997	GIS Staff Scientist, Education Center on Computational Science and Engineering, Adjunct Professor, Mathematical and Computer Sciences, San Diego State Univ.
1995	Assistant Professor, Geography, Western Michigan University
1993	GIS Prog./Systems Analyst, Schlosser Geographic Systems, Inc., Seattle, WA
1987	Research Scientist, Institute of Geography, USSR Academy of Sciences
1987	Consultant, Software Engineer, Research Center "ROST", Small Enterprise "Context", Moscow, Russia

Related Products

- [1] Bolukbasi, B., N. Berente, J. Cutcher-Gershenfeld, L. Dechurch, C. Flint, M. Haberman, J. L. King, E. Knight, B. Lawrence, E. Masella, ... , I. Zaslavsky (2013). "Open Data: Crediting a Culture of Cooperation." *Science* 342, no. 6162 (2013): 1041–42.
- [2] Zaslavsky, I., and D. R. Maidment (2011), "Service orientation in the design of a community hydrologic information system", In G. R. Keller and C. Baru (eds.) *Geoinformatics. Cyberinfrastructure for the Solid Earth Sciences*, Cambridge Univ Press. pp. 193-209.
- [3] Zaslavsky, I., T. Whitenack, M. Williams, D. G. Tarboton, K. Schreuders, and A. Aufdenkampe (2011), "The Initial Design of Data Sharing Infrastructure for the Critical Zone Observatory", in *Proceedings of the Environmental Information Management Conference*, Santa Barbara, CA, 28-29 September, EIM'2011, pp. 145-150.
- [4] Ruddell, B. L., I. Zaslavsky, D. Valentine, B. Beran, M. Piasecki, Q. Fu, and P. Kumar (2014), "Sustainable Long Term Scientific Data Publication: Lessons Learned from a Prototype Observatory Information System for the Illinois River Basin." *Environmental Modelling & Software* 54: 73–87.
- [5] Zaslavsky, I., Burton, M. M., & Levy, T. E. (2017). "A New Approach to Online Visual Analysis and Sharing of Archaeological Surveys and Image Collections", in *Heritage and Archaeology in the Digital Age* (pp. 133-150). Springer, Cham.

Other Significant Products

- [1] Ioffe, G., T. Nefedova, I. Zaslavsky (2004), "From spatial continuity to fragmentation: the case of Russian farming", *Annals of the Association of American Geographers*, **94** (4): 913-943.

- [2] I. Zaslavsky (2003) "Online Cartography with XML", in "Maps and the Internet", Elsevier, pp. 171-196.
- [3] Ioffe, G., T. Nefedova, I. Zaslavsky (2006), *The End of Peasantry? The Disintegration of Rural Russia*. University of Pittsburgh Press, 258 pp. ISBN: 082294295X.
- [4] Zaslavsky I., Baldock, R.A., Boline J (2014) Cyberinfrastructure for the digital brain: spatial standards for integrating rodent brain atlases. *Front. Neuroinform.* 8:74. doi: 10.3389/fninf.2014.00074.
- [5] Gupta, A., R. Marciano, I. Zaslavsky, and C. Baru (1999), "Integrating GIS and Imagery through XML-Based Information Mediation." In P. Agouris and A. Stefanidis (Eds.) *Integrated Spatial Databases: Digital Images and GIS*, Lecture Notes in Computer Science, Vol. 1737, 1999.

Synergistic Activities

PI, NSF EarthCube Cross-Domain Interoperability Testbed Concept Award; Building Blocks CINERGI (Community Inventory of EarthCube Resources for Geoscience Interoperability) and EarthCube Data discovery Hub; EarthCube Conceptual Design; Co-Chair of EarthCube Architecture Working Group; member of Technology and Architecture Committee

Led development of a roadmap, conceptual design, and data discovery components of EarthCube, a large-scale NSF initiative to build cyberinfrastructure for the geosciences.

PI or Co-PI on several projects, with funding from NSF, NIH, US Department of State, state and local sources, foundations, companies, and international agencies. Key projects: CUAHSI Hydrologic Information System; Critical Zone Observatories; Biomedical Informatics Research Network; Chesapeake Bay Environmental Observatory; US-EU Cyberinfrastructure for Hydrometeorology; Superfund Research Program; Digital Brain Atlasing Infrastructure; Streaming Data Middleware; Digital Government

Led cyberinfrastructure development in large-scale projects in several disciplinary domains, which integrated multiple data sources and applications.

Co-Chair, Hydrology Domain Working Group of the Open Geospatial Consortium and the World Meteorological Organization (2008-present); Co-Chair, Global Water Information Interest Group of the Research Data Alliance (2015-present)

Led development of international standards for hydrologic data exchange, and infrastructure supporting water data management. WaterML 2.0 suite of standards has been produced through this work – the first globally adopted family of standards for hydrologic data.

Lead, INCF Digital Atlasing Infrastructure Task Force (2008-2013)

Led an international group of experts working on the development of data sharing infrastructure for atlases of rodent brain; developed Waxholm Markup Language and Atlas Web Services.

Editor, CUAHSI WaterML 1.x specification

The first version of Water Markup Language has been adopted by multiple projects and software vendors to exchange hydrologic time series data, formed the backbone of the CUAHSI Hydrologic Information System project, and became one of the foundations of WaterML 2.0, the first international standard for water data exchange.