

August 8, 2011

Paul J. Maliszewski

Phone: (850)345-1713

Email: paul.maliszewski@asu.edu

RESEARCH FIELD

Spatial modeling; critical infrastructure protection and analysis; disaster mitigation, preparedness, and response; urban-economic geography.

EDUCATION

- 2008 – Present Ph.D. Student, Geography, Arizona State University
Dissertation: *Multi-objective Approaches for Managing Critical Assets: Geospatial Applications and Analyses.*
Adviser: Dr. Michael Kuby
Committee members: Drs. Alan Murray and Breandan Ó hUallach áin
- 2006 – 2008 M.S., Geography, Florida State University
Thesis: *Modeling Critical Vaccine Supply Location: Protecting Critical Infrastructure and Population in Central Florida.*
Adviser: Dr. Mark W. Horner
Committee members: Drs. Victor Mesev and Lisa M. Jordan
- 2002 – 2006 B.S., Geography, Florida State University

PROFESSIONAL EXPERIENCE

- 2010 – Present Research Assistant, School of Life Sciences, Arizona State University
- 2009 – 2010 Research Assistant, Decision Center for a Desert City, Arizona State University
- 2008 – 2009 Teaching Assistant, School of Geographical Sciences, Arizona State University
- 2007 – 2008 GIS/Transportation Analyst, Wilbur Smith Associates, Tallahassee, FL
- 2006 – 2008 Teaching Assistant, Department of Geography, Florida State University
- 2006 GIS Technician, Department of Biological Science, Florida State University

PUBLICATIONS

Refereed Journal Articles

Maliszewski, P. J. and C. Perrings. 2012. Factors in the resilience of electrical power distribution infrastructures. *Applied Geography*, 32 (2): 668-679.

Maliszewski, P. J. and R. Wei. 2011. Ecological factors associated with pandemic influenza A (H1N1) hospitalization rates in California (USA): A geospatial analysis. *Geospatial Health*, 6 (1).

Maliszewski, P. J. 2011. Interdiction models and homeland security risks. *Journal of Homeland Security and Emergency Management*, 8 (1): Article 4. DOI: 10.2202/1547-7355.1785.

Maliszewski, P. J. and M. W. Horner. 2010. A spatial modeling framework for siting critical supply infrastructures. *The Professional Geographer*, 62 (3): 426-441.

Refereed Proceedings Articles

Perrings, C., Larson E. K. and **P. J. Maliszewski**. 2011. *Valuing the resilience of the electrical power infrastructure*. 2011 IEEE PES Power Systems Conference & Exposition, Phoenix, AZ.

Technical Reports

Maliszewski, P. J. 2007. *Origin-Destination Study of Truck Movement in North Florida*. Report prepared for the Florida Department of Transportation.

Working Papers

Maliszewski, P. J., Kuby, M. J. and M. W. Horner. A comparison of multi-objective spatial dispersion models for managing critical assets in urban areas. (Under review).

Maliszewski, P. J., Larson, E. K. and C. Perrings. Valuing the reliability of the electrical power infrastructure: A two stage hedonic approach. (Under review).

Maliszewski, P. J., Larson, E. K. and C. Perrings. Environmental determinants of unscheduled electrical power outages in Phoenix, Arizona. (Under review).

Maliszewski, P. J. and C. Perrings. Estimating the capitalized value of 'resilience' in urban power distribution infrastructures. (Under review).

Maliszewski, P. J. and B. Ó hUallacháin. Patent concentration across U.S. metropolitan areas. (Under revision).

Unpublished Manuscripts

Maliszewski, P. J. Software piracy and growth.

Maliszewski, P. J. Alcohol consumption, research productivity, and income in the United States.

CONFERENCE PRESENTATIONS

Maliszewski, P. J., Larson, E. K. and C. Perrings. 2011. *Environmental determinants of unscheduled electrical power outages in Phoenix, Arizona*. Meeting of the Association of American Geographers, Seattle, WA.

Perrings, C., Larson E. K. and **P. J. Maliszewski**. 2011. *Valuing the resilience of the electrical power infrastructure*. 2011 IEEE PES Power Systems Conference & Exposition, Phoenix, AZ.

Maliszewski, P. J. 2010. *A comparison of multi-objective spatial models for managing critical assets*. Meeting of the Regional Science Association, Denver, CO.

Maliszewski, P. J. and R. Wei. 2010. *A spatial regression analysis of H1N1 influenza hospitalizations in California*. Meeting of the Association of American Geographers, Washington, DC.

Maliszewski, P. J. and B. Ó hUallach áin. 2009. *Zipf's law strikes again? An analysis of patent concentration in U.S. cities*. Meeting of the Regional Science Association, San Francisco, CA.

Maliszewski, P. J. 2009. *A multiobjective model for strategically locating bioterrorism disaster relief stockpiles*. Meeting of the Association of American Geographers, Las Vegas, NV.

Maliszewski, P. J. 2008. *A framework for siting critical supply infrastructure*. Meeting of the Association of American Geographers, Boston, MA.

Maliszewski, P. J. and M. W. Horner. 2007. *Modeling critical vaccine supply for protection: An analysis of a major metropolitan area*. Meeting of the Regional Science Association, Savannah, GA.

TEACHING EXPERIENCE

- World Geography (GEA1000-online; TA; 4 semesters; Florida State University)
- Map Analysis (GIS3015-online; Instructor; 1 semester; Florida State University)
- Society and Environment (GPH 210; TA; 2 semesters; Arizona State University)

SERVICE

University Service:

- Graduate Policy Committee Representative (School of Geographical Sciences and Urban Planning, Arizona State University; 2011-2012)

Peer Reviewer for the following journals:

- *International Regional Science Review*
- *Ecology and Society*

FELLOWSHIPS AND SCHOLARSHIPS

- United States Geospatial Intelligence Foundation Graduate Scholarship (2011; pending)
- National Defense Transportation Association Scholarship (2011)
- University Graduate Fellowship, Arizona State University (2008 – 2009)
- Bright Futures Scholarship, Florida State University (2002 – 2006)
- Dean's List (2004, 2005, 2006)

GRANTS

ASU Travel Grant. Meeting of the Association of American Geographers. 2011, Seattle, Washington. \$300.

ASU Travel Grant. Meeting of the Association of American Geographers. 2010, Washington, D.C. \$300.

Fu, M. (PI) and **P. J. Maliszewski** (Co-PI). 2009. *A shade locating tool for urban environments: A spatial decision support software.* Entrepreneur Advantage Project, Arizona State University. \$2,000.

ASU Travel Grant. Meeting of the Association of American Geographers. 2009, Las Vegas, NV. \$300.

Horner, M. W. (PI) and **P. J. Maliszewski** (Co-PI). 2008. *GIS-based spatial modeling for locating bioterrorism disaster relief stockpiles.* Submitted to Center for Biological Defense, University of South Florida. \$85,274. (Rejected).

FSU Travel Grant. Meeting of the Association of American Geographers. 2008, Boston, MA. \$300.

PROFESSIONAL MEMBERSHIPS

- Regional Science Association International (2007-Present)
- Association of American Geographers (2007 – Present)
- Spatial Analysis and Modeling Specialty Group of the AAG (2007 – Present)

SKILLS

- Processing (Word, Excel, Access, and PowerPoint)
- Statistics (ArcGIS, TransCAD, GeoDa, R, Stata, Systat)
- Optimization (Xpress-MP, CPLEX)
- Web Design (Dreamweaver, HTML)
- Graphics Design (Adobe Photoshop and Illustrator, Flash, JavaScript)
- Programming (VBA, C++, Python)

REFERENCES

Mark W. Horner

Thesis Advisor and Mentor
Associate Professor of Geography
Department of Geography
Florida State University
mhorner@fsu.edu

Breandan Ó hUallacháin

Dissertation Committee Member and Mentor
Professor of Geography
School of Geographical Sciences and Urban Planning
Arizona State University
ohuallachain@asu.edu

Michael Kuby

Dissertation Advisor and Mentor
Professor of Geography
School of Geographical Sciences and Urban Planning
Arizona State University
Mike.kuby@asu.edu