Biographical Sketch --Thomas J. Cova

Department of Geography, University of Utah, Salt Lake City

Professional Preparation

Institution	Major	Degree and date
University of Oregon	Computer Science	B.S. 1986
University of California Santa Barbara	Geography	M.A. 1995
University of California Santa Barbara	Geography	Ph.D. 1999

Appointments

2012 –	Professor, Department of Geography, University of Utah
2005 – 2012	Associate Professor, Department of Geography, University of Utah
1999 – 2005	Assistant Professor, Department of Geography, University of Utah.

Publications

1. Closely related to proposed project

2016 Cova, T.J., Dennison, P.E., Li, D., Drews, F.A., Seibeneck, L.K., Lindell, M.K., "Warning triggers in environmental hazards: Who should be warned to do what and when?" *Risk Analysis*, DOI: 10.1111/risa.12651

2015 Li, D., Cova, T.J., Dennison, P.E., "A household-level approach to staging wildfire evacuation warnings using trigger modeling." *Computers, Environment, & Urban Systems,* 54:56-67.

2011 Cova, T.J., Dennison, P.E., Drews, F.A., "Modeling evacuate versus shelter-in-place decisions in wildfires." *Sustainability*, 3(10):1662-1687.

2009 Cova, T.J., Drews, F.A., Siebeneck, L.K. and Musters, A., "Protective actions in wildfires: evacuate or shelter-in-place? " *Natural Hazards Review*, 10(4): 151-162.

2005 Cova, T.J., Dennison, P.E., Kim, T.H., and Moritz, M.A., "Setting wildfire evacuation trigger-points using fire spread modeling and GIS." *Transactions in GIS*, 9(4): 603-617.

2. Other significant publications

2005 Cova, T.J., "Public safety in the urban-wildland interface: Should fire-prone communities have a maximum occupancy?" *Natural Hazards Review*, 6(3): 99-108

2004 Cova, T.J., Sutton, P.C., and Theobald, D.M., "Exurban change detection in fire-prone areas with nighttime satellite imagery. *Photogrammetric Engineering & Remote Sensing*, 70(11): 1249-1257.

2003 Cova, T.J. and Johnson, J.P., "A network flow model for lane-based evacuation routing, *Transportation Research Part A: Policy and Practice*, 37:7, 579-604.

2002 Cova, T.J., and Johnson, J.P., "Microsimulation of neighborhood evacuations in the urban-wildland interface," *Environment and Planning A*, 34:12, 2211-2229.

1997 Cova, T.J., and Church, R.L., "Modeling community evacuation vulnerability using GIS," *International Journal of Geographical Information Science*, 8(11), pp. 763-784.

Synergistic activities

2005 –	Director, Center for Natural & Technological Hazards, University of Utah
2013 –	Director, Certificate in Hazards & Emergency Management, University of Utah
2001 –	Director, Certificate in GIScience, University of Utah
2008	Program Chair, International Conference on Geographic Information Science (GIScience '08), Park City, Utah
2005 – 2007	Committee Chair, Research Projects Group, University Consortium of Geographic Information Science (UCGIS)
2007	Chair, GIS Specialty Group, Association of American Geographers (AAG)
2001 – 2004	Editorial Board Member, Computers, Environment and Urban Systems.

Collaborators and Other Affiliations

1. Collaborators during past 48 months

Philip Dennison, University of Utah
Frank Drews, University of Utah
Dapeng Li, Michigan State University
Michael Lindell, University of Washington
Richard Medina, Oakridge National Labs
Adrian Musters, University of Utah
Laura Siebeneck, University of North Texas
David Theobald, Colorado State University
John Norman, Colorado State University

2. Graduate advisors

Ph.D. and M.A.: Richard Church (advisor), Michael Goodchild, Helen Couclelis, University of California, Santa Barbara.

3. Graduate advising

Ph.D. Laura Siebeneck (University of North Texas), Lina Cao (University of California Berkeley), Dapeng Li (Michigan State University).
M.S. Kate Smith, Marquessa Van Drimmelen, Tom Lind, Eric Martineau, Ryan Hile, Paris Latham, Corey Unger, Korey Klein, Seth Bishop, Weilun Chang, Justin Johnson, Laura Siebeneck, Edward Pultar