

# CURRICULUM VITAE

University of Idaho

**NAME:** Raymond J. Dezzani

**DATE:** December 12, 2020

**RANK OR TITLE:** Professor

**DEPARTMENT:** Geography

**OFFICE LOCATION AND CAMPUS ZIP:**

305C McClure Hall  
University of Idaho  
Moscow, Idaho 83844-3021

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**WEB:**

**DATE OF FIRST EMPLOYMENT AT UI:** August 14, 2004

**DATE OF TENURE:** (Notification: March, 2010), August 2010

**DATE OF PRESENT RANK OR TITLE:** August 2017

## EDUCATION BEYOND HIGH SCHOOL:

**Degrees:** (List most recent degree first: Degree, institution name, city, state, date, major or area of specialization.)

University of California, Riverside: Ph.D. (1996) Earth Sciences: Geography

California State University, Hayward: M.S. (1984) Mathematical Statistics

University of California, Berkeley: A.B. degree (1981) Anthropology

## Certificates and Licenses:

## EXPERIENCE:

**Teaching, Extension and Research Appointments:** (List position titles and locations since receipt of Bachelor's degree)

- Teaching Assistant, Department of Earth Sciences, University of California, Riverside (1992-1994)
- Research Assistant, Department of Earth Sciences, University of California, Riverside (1989-1991, 1995)
- Assistant Professor, Department of Geography, Boston University (1996-2004)
- Assistant Professor, Center for Transportation Studies, Boston University (1999-2004)
- Assistant Professor, Department of Geography, University of Idaho (2004-2010)
- Affiliate Assistant Professor, Department of Statistics, University of Idaho (2005-2010)
- Associate Professor, Department of Geography, University of Idaho (2010 – August 2017)
- Affiliate Faculty, Department of Statistics, University of Idaho, (2010-August 2020)
- Visiting Professor, University of Eastern Finland, Joensuu, Finland (November 2011-January 2012)
- Professor, Department of Geography, University of Idaho (2017-August 2020)
- Professor, Department of Geography and Geological Sciences (August 2020-present)

- Affiliate faculty, Department of Mathematics and Statistical Sciences, University of Idaho (August 2020-present)
- Associate Editor, *Journal of Geography and Natural Disasters* (2011-present)
- Editorial Board member, *Geopolitics* (journal, Taylor and Francis journal, 2014-present)
- Editorial Board member, *Journal of Geopolitics Under Globalization* (Kozmenko Science Publishing Poland, November 2015 – present)
- Editorial Board Member, Springer Nature Applied Sciences, Earth and Environmental Sciences (Springer, London, UK)

**Academic Administrative Appointments:** Department Chair, Department of Geography, University of Idaho January 2019-October 2020

**Non-Academic Employment including Armed Forces:** (List title, brief description, date)

**Consulting:** (List company/institute name, title, brief description, date)

- Basin Research Associates, Cultural Resource and Archaeological Consultants, San Leandro, California (1980-1983, 1985-1987; contracted to the Stanford Research Institute (SRI International)), archaeologist/research scientist, statistician. Duties included artifact analysis, site cartography and survey, statistical analysis and consulting, technical and final published report contributions.
- Drogin, Kakigi and Associates, statistical consultants, Berkeley, California (1983-1984), statistical technician. Duties included a juror reliability analysis/study for the Santa Clara County Superior Court.
- City of Moscow, Idaho. Conducting the Survey of Unfair Housing Practice (with Dr. Tim Frazier) 2011-2013.

**TEACHING ACCOMPLISHMENTS:** (Academic and Extension teaching)

**Areas of Specialization:**

- 1) Primary interests: Economic and Political Geography (spatial political economy, landscapes of power), spatial statistics and analysis, the world systems and global perspectives in geography, philosophy and history of geographical practice, algorithmic approaches to geographic information systems (GIS). Place myth/lore and humanistic geography.
- 2) Related interests: spatial ecology and landscape/geographical genetics, stochastic spatial models for wildfire analysis.
- 3) Regional specialties: Europe and the Mediterranean basin, Middle East, Africa.

**Courses Taught:** (title, course number, date(s))At Boston University:

GG201: World Regional Geography: Africa, Asia, Europe, and the Middle East (Spring 1997, 1998, Summer Session 1997).  
 GG323: Intermediate Economic Geography (Spring 1998, 1999, 2000, Fall 2003).  
 GG331: Political Geography (Fall 1996, 1997, 1998; Spring 1999 - 2004).  
 GG505: Geographic Information Systems (GIS) (Fall 1996 - 2003).  
 GG539: History of Geographic Thought (Fall 2001, 2002).  
 GG805: Spatial Analysis with GIS (Spring 1997).  
 GG723: Advanced Economic Geography (Spring 1998, 1999, Fall 2003).  
 GG950: Independent Research with Spatial Statistics and GIS (Spring 1997 - 2003).

At the University of Idaho:

Geography 200: World Regional Geography (Fall 2012, 2013, 2015)  
 Geography 200 Honors (Spring 2015, 2016)  
 Geography 202: Economic Geography (Fall 2006)  
 Geography 365: Political Geography (Fall 2005, 2007-2009, 2011, 2012, 2014, 2016)  
 Geography 350/550: Geography of Development (Spring 2013, 2016)  
 Geography 385: GIS Primer (Fall 2004, 2007)  
 Geography 404: Geography Through Film (Spring 2015)  
 Geography 475: Advanced GIS (Spring 2005-2009)  
 Geography 507: Spatial Analysis (Fall 2009, Spring 2010-2014)  
 Geography 542: Spatial Statistics (Fall 2005, with J. Fairley Fall 2007)  
 Geography 580: GIS graduate seminar (Spring 2005)  
 Geography 591: History and Philosophy of Geographic Thought (Fall 2006, Fall 2012-2014, Spring 2015, Fall 2016)  
 Geography 504: Landscape Genetics (With Lisette Waits and Lee Vierling Spring 2006, 2007)  
 Geography 501/Rnge 501: Space Matters Landscape Genetics (with Lisette Waits and Lee Vierling Spring 2008)  
 Geography 504: Transportation Systems (Fall 2008)  
 Geography 502: Geopolitics (Fall 2009)  
 Geography 502: Advanced Political Geography and Geopolitics (Fall 2016)

**Students Advised:**

Undergraduate Students: (advised to completion of degree, number per year)

Graduate Students:

Advised to completion of degree-major professor (student name, degree, and date)

Graduate Student Advisees at Boston University:

- Yvonne Federowicz (M.A.) 1st reader (environmental risk modeling: threats of Urban expansion in Rhode Island wetlands/GIS). Master's thesis completed and earned the M.A. degree in 9/1999)
- Marlene Suarez (Ph.D.) advisor, 1st reader (international trade analysis), Dissertation completed and earned the Ph.D. degree in 5/2000. Now teaching at the Metropolitan College of Boston University.

- Lee Lyons (M.A.) advisor, 1st reader (network modeling/optimization/GIS), Lee earned her M.A. by research paper and examination in 9/2000.
- Ahmad Al Dousari (Ph.D.) advisor, 1st reader (GIS/spatial modeling/remote sensing of Tarcete Fields in Kuwait). Dissertation completed and earned the Ph.D. degree in 5/2001. Now serves as an Environmental and Urban research program director at the Kuwait Institute for Scientific Research.
- Gang Gong (M.A., Ph.D.) advisor, 1st reader. (spatial statistics/GIS). Dissertation completed for the Ph.D. degree in 8/2005. Assistant Professor at Sam Houston State University, Texas.
- Mike Flood (M.A.) received degree in 2002. Transportation analysis of US Route 90. Now works as transportation planner in King County, Washington State.

#### Graduate Student Advisees at University of Idaho:

- Brent Slone (M.S. degree, Geography, 2007)
- Steve Peterson (Ph.D. degree, Geography, 2010) now employed as a research scientist at Oak Ridge National Laboratory, Tennessee and adjunct faculty at the University Tennessee, Knoxville.
- Eugeniu Ciolacu (Edmund Muskie Fellow from Moldova) Completed M.S. degree in Spring 2010.) advisor
- Laura Courtois (M.S. student, Geography, completed Summer 2015) advisor
- Jenna Putnam (M.S. student, Geography, completed Summer 2015) co-advisor
- Sam Ndegeah (Ph.D. candidate, Geography, completed Summer 2015, now an Assistant Professor at Westfield State University, MA)) advisor
- Brendan Gordon (Ph.D. student, Geography, in progress) advisor
- Courtney Thompson (Ph.D. student, Geography, completion 1/2017 – now an Assistant Professor at Texas A&M University) advisor
- Jin-Soo Lee (M.S. student, Geography and Geological Sciences) Advisor (6/2020-current)

Served on graduate committee (student name, degree, and date)

#### Boston University

- Mauricio Fuks (Ph.D., Geography) 3rd reader (economic geography) Dissertation completed and earned the Ph.D. degree in 12/1998.
- Zhijun Xie (Ph.D., Geography) 2nd reader. (network optimization/equilibrium). Dissertation completed and earned the Ph.D. degree in 5/2000.
- Ane Alencar (M.A., Geography) 2nd reader. (Fire Risk modeling in the Amazon Basin), Master's thesis completed and earned the M.A. degree in 5/2000.
- Sara Kustron (M.A., Geography) 2nd reader "Environmental epidemiology of breast cancer risk on Cape Cod: GIS, spatial analysis/Kriging, autocovariance with anisotropy effects", Master's thesis completed and earned M.A. degree in 5/2001.
- Thomas Harrington (Ph.D., Geography) 3rd reader (environmental modeling/GIS), Dissertation completed and earned the Ph.D. degree in 5/2001.
- Weguo Liu (Ph.D., Geography) 4th reader, "ARTMAP Neural Network for Land Cover Classification and Multisensor Fusion in Remote Sensing," August 30th, 2001 Dissertation completed and earned the Ph.D. degree in 1/2002.

- Jason Horn (Ph.D.) Biology, Tom Kuntz advisor/1st reader; Ray Dezzani 4th reader. Earned Ph.D. degree in 2006.
- Christine Woerlen (Ph.D., Geography), 4th reader, Title: “Economic and Technological Aspects of Market Introduction of Renewable Electricity Technologies”. Dissertation completed for the Ph.D. degree in 12/2002.
- Pablo Suarez (Ph.D., Geography), 3rd reader. (Environmental risk policy/GIS). Dissertation completed for the Ph.D. degree in 8/2004.
- Kumudu Gunasekera (Ph.D., Geography) 3rd reader. Economic development due to road expansion in Sri Lanka. Completed August 2005.

#### University of Idaho

- Aimee Shipman (Ph.D. degree, Geography, 2008) Committee member
- Arzhan Surazakov (Ph.D. degree, Geography, 2007) Committee member
- Brent Orton (Master’s degree, Engineering, 2007) Committee member
- Dawn Davis (Ph.D. degree, Rangeland Management,) Committee member
- Eileen Perry (Ph.D. degree, Geography, 2008) Committee member
- Elizaveta Skryzhevskaya (Ph.D. degree, Geography, 2008) Committee member
- Luigi Mairano (Ph.D. degree, Natural Resources, 2007) Committee member
- Melanie Murphy (Ph.D. degree, Biology, Washington State University, 2008) Committee member
- Jeremy Sage (Ph.D. degree, interdisciplinary/Economics, Washington State University) Committee member
- Ryan Pollyea (Ph.D. degree, Geology) Committee member
- Niko Balkenhol (Ph.D. degree, Wildlife Resources, 2009) Committee member
- Stacie Robinson (M.S. degree, Wildlife Resources, 2007) Committee member
- Kevin Henry (M.S. degree, Geography, 2015) Committee member
- Hang Zhou (Ph.D. degree, Geography, 2016) Committee member
- Aparna Kumari (Ph.D. degree, Geography, in progress) Committee member
- Daniel Matsche (M.S. degree, Geography, completed 12/2016) Committee member

Advisees 2005-2010: 7-11 per year as UG advisees, 1-3 graduate per year.

Graduate Students (UI): 4 Ph.D., 4 M.S.

**Materials Developed:** (non-scholarship activity)

#### **Courses Developed (at UI):**

- Geography 240: Economic Geography (Fall 2007, 2011)
- Geography 365: Political Geography (Fall 2005, 2007-2009 – this course had not been taught at UI for 10 years. I developed an entirely new course)
- Geography 440: Alternative Spatial Economy (Fall 2017)
- Geography 504: Landscape Genetics (With Lisette Waits and Lee Vierling Spring 2006)
- Geography 501/Rnge 501: Space Matters Landscape Genetics (with Lisette Waits and Lee Vierling Spring 2008)
- Geography 504: Transportation Systems (Fall 2008)
- Geography 504: Geopolitics – graduate seminar (Fall 2009)
- Geography 542: Spatial Statistics

**Non-credit Classes, Workshops, Seminars, Invited Lectures, etc.:**  
**Honors and Awards:**

- University of California, Riverside Outstanding Teaching Assistant Award 1994.
- Invited lectures on Spatial Analysis at Eastern Finland University, Joensuu, Finland. December 12-14, 2011.

**SCHOLARSHIP ACCOMPLISHMENTS:** (Including scholarship of teaching and learning, artistic creativity, discovery, and application/integration)

**Publications, Exhibitions, Performances, Recitals:**

**Refereed/Adjudicated:** (i.e. books, book chaps., journals, proc., abstr., etc.; provide citations-author, date, title, publisher)

**Current citations:** 1,899 as of 12/2020(© ResearchGate 2017), h-index: 14 (© ResearchGate 2020) The average h-index for geographers is 5.04 according to the London School of Economics handbook located at <http://blogs.lse.ac.uk/impactofsocialsciences/the-handbook/chapter-3-key-measures-of-academic-influence/>

- Courtney M. Thompson and Raymond J. Dezzani (2020) “Examining relationships between traditional vulnerability data proxies and hurricane risk perception indicators.” *Journal of Risk Research* <https://doi.org/10.1080/13669877.2020.1773517>
- Courtney M. Thompson. Raymond J. Dezzani. Steven M. Radil (2019) “Modeling multiscalar influences on natural hazards vulnerability: a proof of concept using coastal hazards in Sarasota County, Florida”. *GeoJournal* [https://doi.org/10.1007/s10708-019-10070-w\(0123456789\(\).,-volIV\(00123456789\(\).,-volV\)](https://doi.org/10.1007/s10708-019-10070-w(0123456789().,-volIV(00123456789().,-volV))
- Flint, C and Dezzani R (2018) State Maneuver in the Capitalist World-Economy: A Political Geography of Contextualized Agency. *Environment and Planning A: Economy and Space*. <https://doi.org/10.1177%2F0308518X18781089>
- Flint, Colin and Dezzani, Raymond (2018) “Defining and Operationalizing Context Through a Structural Political Geography for International Relations.” In: *The Oxford research Encyclopedia of Politics*. William Thompson (editor) March 2017. Oxford University Press. DOI:10.1093/acrefore/9780190228637.013.534
- Steven M. Radil, Raymond J. Dezzani & Lanny D. McAden (2016/2017) Geographies of U.S. Police Militarization and the Role of the 1033 Program, *The Professional Geographer*, DOI:10.1080/00330124.2016.1212666. Print: March 2017. link: <http://dx.doi.org/10.1080/00330124.2016.1212666>
- Dezzani, Raymond J., and Colin Flint. 2015. “One Logic, Many Wars: The Variety and Geography of Wars in the Capitalist World-Economy 1816-2007.” Pp 121-139 in Immanuel Wallerstein, Christopher Chase-Dunn and Christian Suter (eds.) *Overcoming Global Inequalities*. Boulder, CO: Paradigm.

- Dezzani RJ, Frazier TG (2015) “The Utility of Structural Approaches for Spatially-Explicit Hazards and Vulnerability Research.” *Journal of Geography and Natural Disasters* 5: e117. DOI:10.4172/2167-0587.
- Frazier, T. G., Thompson, C. M., & Dezzani, R. J. (2014). A framework for the development of the SERV model: A Spatially Explicit Resilience-Vulnerability model. *Applied Geography*, 51(3), 158-172.
- Frazier, Tim G., Courtney M. Thompson, Ray J. Dezzani and Danielle Butsick. 2013. “Spatial and temporal quantification of resilience at the community scale.” *Applied Geography* 42: 95-107.
- Frazier, T. G., Thompson, C. M., & Dezzani, R. J. (2013). “Development of a Spatially Explicit Vulnerability-Resilience Model for Community Level Hazard Mitigation Enhancement.” Pp13-25 in C. A. Brebbia (Ed.), *Disaster Management and Human Health Risk III: Reducing risk, Improving Outcomes*. Southampton: WIT Press.
- Dezzani, Raymond L. 2012. “Measuring transition and hierarchy of states within the world-systems paradigm.” Pp 129-138 in Salvatore J. Babones and Christopher Chase-Dunn (eds.) *Routledge Handbook of World-Systems Analysis*. London, UK: Routledge.
- Dezzani, R.J. and Harley Johansen. 2012. “The Role of Direct Foreign Investment as a Structural Development Indicator of the Hierarchical World Economy.” *Environment and Planning A*, v.44: 580-604.
- Plummer, P. and R.J. Dezzani. 2012. “Probabilistic Political Economy in geographical Context.” *Environment and Planning A*, v.44: 513-517.
- Murphy, M., Dezzani, R., Pilliod, D. and Storfer, A. 2010. “Landscape genetics of high mountain frog metapopulations.” *Molecular Ecology*, 19: 3634-3649. DOI: 10.1111/j.1365-294X.2010.04723.x
- Dezzani, R.J. 2010. “Spatially Integrated Social Science.” Pp 2654-2655 in Barney Warf (ed.), *Encyclopedia of Geography*. Los Angeles, CA:Sage.
- Dezzani, R.J., and Chase-Dunn, C.K. 2010. “The Geography of World Cities.” Pp 2969-2986 in Robert Denemark (ed.). *The International Studies Encyclopedia*. Oxford, UK: Wiley-Blackwell.
- Perry, E.M., Dezzani, R.J., Seavert, C.F., Pierce, F.J. 2009. “Spatial Variation in Tree Characteristics and Yield in a Pear Orchard.” *Precision Agriculture*, DOI 10.1007/s11119-009-9113-5
- Delmelle, Eric and Raymond Dezzani (2009) “Overview, Classification and Selection of Map Projections for Geospatial Applications.” Pp 89-98 in Karimi, Hassan A. (ed.) *Handbook of research on Geoinformatics*. Information Science Reference, Hershey, NY.

- Balkenhol, N., Waits, L.P., Dezzani, R.J. 2009. "Statistical Approaches in Landscape Genetics: An Evaluation of Methods for Linking Landscape and Genetic Data." *Ecography* 32(5); 818-830.
- Harshbarger, B.J., Blandford, T.R., Humes, K.S., Walden, V.P., Moore, B.C., Dezzani, R.J. 2009. "Spatial Interpolation of Snow Water Equivalency Using Surface Observations and Remotely-Sensed Images of Snow-covered Area" *Climate Change*.
- Robinson, S., Waits, L., Dezzani, R.J. 2009. "Evaluating genetic Structure of Black Bears on the Kenai Peninsula, Alaska, Using Global and Local Spatial Statistics." *Molecular Ecology*,
- Storfer, A. Murphy, M., Evans, J.S., Goldberg, C.S., Robinson, S., Spear, S.F., Dezzani, R.J., Delmelle, E., Vierling, L. and Waits, L. 2007. "Putting the 'Landscape' in Landscape Genetics." *Heredity*, 98: 128-142.
- Dezzani, R.J. 2006. "The Welfare Benefits of Proximity: The Economic Gains From Trade Bloc Membership." In Kobayashi, K, Lakshmanan, T.R., Anderson, W.P. *Structural Change in Transportation and Communications in the Knowledge Society*, pp 61-88. Edward Elgar Ltd. Northampton, MA.
- Dezzani, R. J. and Lakshmanan, T.R. 2005. "Recreating Secure Spaces." In Pitzl, G. R. editor, *Annual Editions: Geography*, pp20-23. Amended, reprinted version. McGraw-Hill/Dushkin. Dubuque, IA.
- Dezzani, Ray and T.R. Lakshmanan. 2003. "Recreating Secure Spaces". In Cutter, S.L., Richardson, D.B. and T.J. Wilbanks editors *The Geographical Dimensions of Terrorism*, pp 169-177. Routledge, New York.
- Dezzani, R.J. 2002. Stability Analysis Of World Economic Regions. *Journal of Regional Science*, 42(3): 595-625.
- Dezzani, R.J., and A. Al-Dousari. 2001 "Spatial analysis in a Markov random field framework: The case of burning oil wells in Kuwait." *Journal of Geographical Systems*, 3: 387-409.
- Dezzani, R.J. 2001. "Classification Analysis of World Economic Regions" *Geographical Analysis*, 33(4): 330-352.
- Chou, Y.H., Liu, P.S., Dezzani, R.J. 1999. "Terrain Complexity and Reduction of Topographic Data." *Geographical Systems*. 1(2): 179-198.
- Minnich, R.A., Vizcaino, E.F., and R.J. Dezzani. 1999. "The El Niño/Southern Oscillation and Precipitation Variability in Baja California, Mexico." *Atmosfera*, 13: 1-20.

- Kaufmann, R., Snell, S., Gopal, S., R. Dezzani. 1999. "The Significance of Synoptic Patterns Identified by the Kirchoffer Technique: A Monte Carlo Approach." *International Journal of Climatology*. May 1999.
- Minnich, R.A., and Dezzani, R.J. 1998. "Historical Decline of Coastal Sage Scrub in the Riverside-Perris Plain, California. *Western Birds*. 29(4):
- Chou, Y.H., Dezzani, R.J., Minnich, R.A., and Chase, R. 1995. Correction of Surface Area Using Digital Elevation Models. *Geographical Systems*. 2(2): 131-151.
- Chou, Y.H., Minnich, R.A., and Dezzani, R.J. 1993. "Do Fire Sizes Differ Between Southern California and Baja California?" *Forest Science*. 39(4): 835-844.
- Chou, Y.H., Minnich, R.A., Salazar, L.A., Power, J.D., Dezzani, R.J. 1990. "Spatial Autocorrelation of Wildfire Distribution in the Idyllwild Quadrangle, San Jacinto Mountain, California". *Photogrammetric Engineering and Remote Sensing*. November 1990. Vol. 56, No. 11, pp. 1507-1513.

**Peer Reviewed/Evaluated:** (i.e. journals, articles, proceedings, abstracts, etc.)

- Dezzani, Raymond J. and Colin Flint (n.d.) "There are No Stages of Economic Growth: A Framework for Modeling Processes of Change in the World-Economy." Submitted to *Environment and Planning A* (9/2016) **Early paper draft can be viewed on ResearchGate.**
- Gamas, J., Amano, D., Anderson, W., Dezzani, R., Sussman, J. 2004. *Improving Emissions Estimates in the Mexico City Metropolitan Area*. Center for Transportation Studies Working Paper Series No. CTS2004H. <http://www.bu.edu/transportation/WPSeries.html>
- Dezzani, R.J. and T.R. Lakshmanan. 2003. *Recreating Secure Spaces*. Center for Transportation Studies Working Paper Series No. CTS2003B. <http://www.bu.edu/transportation/WPSeries.html>
- Gopal, S. and Dezzani, R. 1998. "Regional Classification Using Fuzzy ARTMAP." Paper accepted for presentation at 38th European Congress of the Regional Science Association in Vienna, Austria. August 28, 1998 to September 2, 1998. Paper in *Abstracts of the Congress*.
- Minnich, R. and Dezzani, R.J. 1991. "Suppression, Fire Behavior, and Fire Magnitudes in Californian Chaparral at the Urban/Wildland Interface." In *California Watersheds at the Urban Interface*, Proceedings of the Third Biennial Watershed Conference, October 30-31, 1990. University of California Water Resources Center Report No. 75, ISSN 0575-4968, February 1991.

- Dezzani, R.J., and Chou, Y.H. 1992. A GIS Correspondence Analysis of Environmental Factors for Wildfire Management. URISA Proceedings. Volume I. pp. 167-179.

**Other:** (reports, proceedings, papers, citations and references, performances)

### **Technical Reports (chronological order):**

- Dezzani, R.J. and Bard, J.C. 1982. Lithic Assemblage Analyses of the Palo Verde/Devers Electrical Transmission Corridor. In: Cultural Resource Inventory and National Register Assessment of the Southern California Edison Palo Verde to Devers Transmission Line Corridor, Arizona Portion, edited by R. Carrico and D. Quillon. WESTEC. San Diego, CA.
- Dezzani, R.J. and McCormack, W. 1980. An Analysis of A Neolithic Assemblage from the Narmada Valley, India. Old World Prehistory Laboratory Manual. Department of Anthropology. University of California, Berkeley.
- Garfinkel, A.P., Kobori, L.S., Bard, J.C. and Dezzani, R.J. 1984. Rockhouse Basin Data Recovery Project. United States Department of Agriculture. United States Forest Service. Sequoia National Forest. Porterville, California.
- Bard, J.C. and Dezzani, R.J. 1984. Limited Archaeological Testing at CA-SCr-177. Basin Research Associates.
- Bard, J.C., Busby, C.I., Dezzani, R.J., Garaventa, D.M. and Kobori, L.S. 1984. Presence/Absence Testing at CA-SCI-296 as Part of The Guadeloupe Transportation Corridor Compliance with 36 CFR Part 800. Guadeloupe Corridor Joint Powers Board. San Jose, California. SantaClara County Transportation Agency.
- Bard, J.C., Busby, C.I., Dezzani, R.J. and Garaventa, D.M. 1985. Site Testing Report for Archaeological Site CA-SCI-68 as Part of The Guadeloupe Transportation Corridor Compliance with 36 CFR Part 800. The Guadeloupe Corridor Joint Powers Board. San Jose, CA. Santa Clara County Transportation Agency.
- Bard, J.C., Busby, C.I., Dezzani, R.J., Findlay, J.M. and Garaventa, D.M. 1985. Proposed Data Recovery Plan for Archaeological Site CA-SCI-447/6E as Part of The Guadeloupe Corridor Transportation Project Compliance with 36 CFR Part 800. The Guadeloupe Corridor Joint Powers Board. San Jose, CA. Santa Clara County Transportation Agency.
- Bard, J.C., Busby, C.I., Dezzani, R.J., Garaventa, D.M. and Ogrey, P.M. 1986. Presence/Absence Testing Results for Archaeological Sites CA-SCI-300/302/288 and CA-SCI-418 as Part of The Guadeloupe Corridor Compliance with 36 CFR Part 800. The Guadeloupe Corridor Joint Powers Board. San Jose, CA. Santa Clara County Transportation Agency.

- Bard, J.C., Busby, C.I., Dezzani, R.J. and Garaventa, D.M. 1986. Site Testing Report for Archaeological Site CA-SCI-137 as Part of The Guadeloupe Transportation Corridor Compliance with 36 CFR Part 800. The Guadeloupe Corridor Joint Powers Board. San Jose, CA. Santa Clara County Transportation Agency.
- Bard, J.C., Busby, C.I., Dezzani, R.J., Findlay, J.M. and Garaventa, D.M. 1986. Data Recovery at CA-SCI-6E/447. The Guadeloupe Corridor Joint Powers Board. San Jose, CA. Santa Clara County Transportation Agency.
- Harmon, R.M., Guedon, S.A., Meyer, M.D., Thomas, J.F., Busby, C.I., Bard, J.C., Nissen, K.M., Dezzani, R.J., Tannam, M.E. and Schinowsky, R.T. 1987. Over-The-Horizon Backscatter Radar Installation Modoc National Forest, California. ASR 05-09-421, Phase I. Stanford Research Institute. SRI, International.
- Harmon, R.M., Anastasia, R.L., Dezzani, R.J., Bard, J.C. 1987. Presence/Absence Testing Program at Prehistoric Archaeological Site CA-SCI-6. David J. Powers and Associates.
- Dezzani, R.J. 1987. Rationale for Discontinuing Obsidian Hydration Chronology Studies for OTH-B Modoc Project. Basin Research Associates and United States Forest Service, USDA, Modoc National Forest, Altars, CA.
- Busby, C.I., Bard, J.C., Dezzani, R.J., Nissen, K.M., Findlay, J.M., Harmon, R.M. and Fong, M.R. 1990. Completion of Archaeological Compliance OTH-B Cultural Resources Program: Modoc National Forest, California. United States Department of Agriculture. United States Forest Service.
- Chou, Y.H., and Dezzani, R.J. 1995. Development of a Model for Evaluation of Landscape Connectivity. Final Report. California Department of Forestry and Fire Prevention. Sacramento, CA.
- Chou, Y.H., R.J. Dezzani, and P.S. Liu. 1995. A Spatial Analysis of Posture Management in the Stanislaus National Forest, Research report submitted to the Forest Service, United States Department of Agriculture.
- Al-Sarawi, M., Dezzani, R.J., El-Baz, F., and Al-Dousari, A. 1998. "Dynamic Changes to the Tarcrete Layer in Kuwait Using Cell-Based Modeling." First Progress Report. Environmental Public Authority of Kuwait. The State of Kuwait.
- Al-Sarawi, M., Dezzani, R.J., El-Baz, F., and Al-Dousari, A. 1999. "Dynamic Changes to the Tarcrete Layer in Kuwait Using Cell-Based Modeling." Second Progress Report. Environmental Public Authority of Kuwait. The State of Kuwait.
- Al-Sarawi, M., Dezzani, R.J., El-Baz, F., and Al-Dousari, A. 2000. "Dynamic Changes to the Tarcrete Layer in Kuwait Using Cell-Based Modeling." Final Report. Environmental Public Authority of Kuwait. The State of Kuwait.

- Slone, B., Dezzani, R., Zager, P. 2006. *Resource Selection Function Modeling of Grizzly Bear Habitat in the Selkirk Mountains and Cabinet-Yaak Recovery Areas*. Idaho Department of Fish and Game, October 2006. Boise, ID.

**Refereed/Adjudicated (currently scheduled or submitted):** (provide citations)

- Dezzani, Raymond and Flint, Colin (submitted in 2017) There Are No Stages of Economic Growth: A Framework for Modeling Processes of Change in the World-Economy. Submitted to Environment and Planning A. Draft paper available at ResearchGate. DOI: 10.13140/RG.2.1.4681.5760 Full text link: [https://www.researchgate.net/publication/280979202\\_DRAFT\\_conference\\_paper\\_There\\_are\\_no\\_'Stages\\_of\\_Economic\\_Growth'\\_A\\_Framework\\_for\\_Modeling\\_Processes\\_of\\_Change\\_in\\_the\\_World-Economy](https://www.researchgate.net/publication/280979202_DRAFT_conference_paper_There_are_no_'Stages_of_Economic_Growth'_A_Framework_for_Modeling_Processes_of_Change_in_the_World-Economy)
- Dezzani, Raymond and Radil, Steve (to be submitted) Geopolitics of Antisystemic Movements in an Age of Declining Hegemony. To be submitted to Political Geography. DOI: 10.13140/RG.2.1.4905.8326. Link to 2015 AAG presentation: [https://www.researchgate.net/publication/292149718\\_Geopolitics\\_of\\_Antisystemic\\_Movements\\_in\\_an\\_Age\\_of\\_Declining\\_Hegemony](https://www.researchgate.net/publication/292149718_Geopolitics_of_Antisystemic_Movements_in_an_Age_of_Declining_Hegemony)

**Peer Reviewed/Evaluated (currently scheduled or submitted):**

- Flint, Colin and Dezzani, Raymond (in review) Defining and Operationalizing Context Through a Structural Political Geography for International Relations. In Thompson, William (editor) *Oxford Research Encyclopedia of Empirical International Relations Theory*. Submitted 9/2016.
- Thompson, C. M., Dezzani, R. J. & Frazier, T. G. (In review). Opportunities for Injecting Social Theory into Natural Hazards and Vulnerability/Resilience Studies. Submitted to *Global Environmental Change* (9/2016).
- Flint, Colin and Raymond Dezzani (in review) "State Maneuver in the Capitalist World-Economy: A Political Geography of Contextualized Agency." Submitted to *International Journal of Comparative Sociology* (9/2016).

**Presentations and Other Creative Activities:** (i.e. slide sets, web pages, video productions, etc., provide date and location)

**Professional Meeting Papers, Workshops, Showings, Recitals:** (provide date and location)

**Contributions At Symposia, Colloquia And Meetings:**

- Selected for excavation, survey and mapping of archaeological sites at Lukenya Hill (GvJm 202, 19), Hyena Hill (survey), and north of Naivasha, Kenya. June-August 1980.
- "Statistical Analysis of Biface Artifacts from Baja California". Paper read at the 48th Annual Meeting of the Society for American Archaeology, Pittsburgh: 1983.
- "Use of Autocorrelation for Delineating Location Patterns". Paper read at UCR Earth Science Lecture Series. February 8, 1990.
- "The Use of Geographic Information Systems for Data Analysis and Spatial Modeling in Biogeographical Research." Paper read at the Biology Department Colloquium: Ecology and Evolutionary Biology Lecture Series. UCR Biology Department. March 16, 1990.
- "The Spatial Autocorrelation Analysis of Location". Paper read at the Association of American Geographers Annual Meeting: April 19-22, 1990. Toronto, Canada.
- Selected to participate in the University of California Institute on Global Conflict and Cooperation, (IGCC) Game Theory Seminar at Berkeley, California, March 1992.
- "A Game Theoretic Analysis of a Two-Sector Migration Model". Paper read at the Association of American Geographers Annual Meeting April 19-23, 1992. San Diego, California.

- "A GIS Correspondence Analysis of Environmental Factors for Wildfire Management". Paper read at the URISA Annual Meeting. 1992. Washington, D.C.
- "Discrete Computation of Polygon Surface Area from DEMs and Spatial Statistical Methods Within GIS." Paper read at the UCR Statistics Department Colloquium. April 1993.
- "Discrete Correction of Surface Area Using DEMs". Paper read at the Association of American Geographers Annual Meeting. March-April 1994. San Francisco, California. Awarded Prize for Best Paper by Mathematical Models and Quantitative Methods (MMQM) Specialty Group.
- "Likelihood-based Discriminant Analysis for Regional Classification." Paper presented at the Association of American Geographers Annual Meeting, April 1998. Boston, Massachusetts.
- "The Use of Markov Transition Probabilities and Entropy Measures for Determining the Rate of Structural Change from Satellite Images." Paper read at the Association of American Geographers Annual Meeting, March 2001. New York, New York.
- Delegate and discussant for Boston University at the Annual Meeting of the University Consortium for Geographic Information Systems (UCGIS) and the GIS/LIS Annual Conference in Denver, Colorado, November 19-21, 1996.
- "Markov Stability Analysis of a Regional Economic Classification." Paper read at the Association of American Geographers Annual Meeting. March 1998. Boston, MA.
- Presented two papers at the Kuwait Environmental Public Authority Research Colloquia: 5/17/98 and 1/21/99. Given at Environmental Public Authority, Safat, Kuwait 13104. Papers are based on the technical reports for this government agency in partial satisfaction of the grant. Research by Dezzani and Al-Dousari based on a portion of these technical reports as well as submitted a paper for publication.
- Discussant at International Symposium on Structural Change in Transportation and Communications in the Knowledge Society: Implications for Theory, Modeling and Data, sponsored by the Center for Transportation Studies, Boston University and Kyoto University, 18-19 October 1999, Boston, MA, 27-31 May 2000, Kyoto, Japan.
- Participation in Panel Conference Sponsored by the Boston University Student Pugwash titled: "*Globalization, Cultures, Conflict: America in the New Global Realities.*" October 24, 2001. Participants: Dr. Tariq Banuri, Founder, Pakistan's Sustainable Development Policy Institute; Dr. Ray Dezzani, Professor of Political Geography, Boston University; Dr. Syed Hasnath, Professor of Political Geography, Boston University; Dr. Lata Chatterjee, Professor of Geography, Boston University.

- Chair/organizer of the session titled *Urban Landuse Simulation and Prediction*, Annual Meeting of the Association of American Geographers, Friday, March 22, 2002. Presenting a paper titled “*Landuse Change Analysis of Boston, Massachusetts using a Markov Random Field Framework with Covariates.*” The paper was co-authored with Daniel Blanco.
- Chair of the session titled *New Approaches in the Spatial Analysis of Economic Data*, Annual Meeting of the Association of American Geographers, March 2004, Philadelphia. Presenting a paper titled “*The Mechanism of Markov Spatial Dependence in Regional Income Convergence*”.
- Jason W. Horn\*, Raymond Dezzani, and Thomas H. Kunz. 2002. “*Behavioral Dynamics of Large-scale Nightly Emergences and Dispersal of Brazilian Free-tailed Bats (Tadarida brasiliensis)*”, Boston University, Boston, MA. 32nd Annual North American Symposium on Bat Research, Radisson Hotel Burlington, Burlington, Vermont, November 6-9, 2002
- AAG 2005, Denver, CO., Empirical Economic Approaches to the Geographies of Globalization. *Sponsorship(s)*: Economic Geography Specialty Group, Spatial Analysis and Modeling Specialty Group and the Developing Areas Specialty Group. *Organizer(s)*: Raymond J. Dezzani - University Of Idaho, *Chair(s)*: Andrew E.G. Jonas - University of Hull
- AAG 2006, Chicago, IL. *Dependent Structures: The Impact of the World-Economy on Regional Change in the Rural Western United States*. Raymond J. Dezzani, Ph.D.\* - University of Idaho and Gundars Rudzitis, Ph.D. - University of Idaho
- AAG 2007, San Francisco, CA. *Measuring the Transmissivity of Economic Inequality Using Canonical Weighting Schemes with Gaussian Markov Random Fields*. Raymond J. Dezzani, Ph.D.\* - University Of Idaho and Salvatore Babones, Ph.D. - University of Pittsburgh
- AAG 2007 Urban and Regional Sustainable Growth Panel. *Sponsorship(s)*: Regional Development and Planning Specialty Group, Transportation Geography Specialty Group, Urban Geography Specialty Group. *Organizer(s)*: Raymond J. Dezzani - University Of Idaho and T. R. Lakshmanan - Boston University. *Chair(s)*: Raymond J. Dezzani - University Of Idaho. *Panelist(s)*: Raymond J. Dezzani - University Of Idaho, Gundars Rudzitis - University of Idaho, T. R. Lakshmanan - Boston University, Lata Chatterjee - Boston University, William B. Beyers - University Of Washington
- AAG 2008 Boston, MA. *Mobility in the Modern World\_Economy*. Raymond J. Dezzani, Ph.D.\* - University Of Idaho and Salvatore Babones, Ph.D. - University of Pittsburgh
- Andre Gundar Frank Conference at the University of Pittsburgh April 2008, Andre Gunder Frank's Legacy of Critical Social Science April 11-13, 2008 University of

Pittsburgh, David Lawrence Hall. *Mobility in the Modern World\_Economy*.  
 Raymond J. Dezzani, Ph.D. - University Of Idaho and Salvatore Babones, Ph.D. -  
 University of Pittsburgh. DOI: 10.13140/RG.2.2.12485.45287

Full text at

[https://www.researchgate.net/publication/308029851\\_Mobility\\_in\\_the\\_Modern\\_World-Economy\\_1975-2005](https://www.researchgate.net/publication/308029851_Mobility_in_the_Modern_World-Economy_1975-2005)

- Probabilistic Political Economy Conference at July 14 -- 17, 2008 Kingston University, London, UK. *FDI as a State Space Indicator of Development in the Hierarchical World Economy*. Raymond J. Dezzani – University of Idaho and Harley Johansen – University of Idaho. Published as a paper.
- Lectures on Spatial Statistics and Political Economy. Invited lectures at Eastern Finland University in November and December 2011.
- Political Economy of the World-System (PEWS) Invitational paper at the University of California, Riverside (April 2013) Paper: Dezzani, Raymond and Colin Flint. “One Logic, Many Wars: The Variety and Geography of Wars in the Capitalist World-Economy, 1816-2007.” Paper selected by peers for inclusion in Wallerstein edited volume. 12 papers selected for publication out of 73 presented and refereed.
- ISA (International Studies Association) Meetings 2014, Toronto Canada. Paper presented: Flint, Colin and Raymond Dezzani “Why a Structural Political Geography has Relevance for International Relations Scholars.”
- University of Idaho Physics Symposium. Invited to give a lecture on Marx: after 150 Years. Presented the role of Marxism in contemporary social science, methods of quantification and future directions. March 2016.
- AAG 2015. Special Session on world-Systems Approaches in Geography. Paper: Dezzani, Raymond J. and Colin Flint (n.d.) “There are No Stages of Economic Growth: A Framework for Modeling Processes of Change in the World-Economy.” Presentation available on ResearchGate.
- AAG 2018. Courtney Thompson, Texas A&M University; Raymond J Dezzani, University of Idaho; Hierarchical Modeling of Social Vulnerability Using Spatial Statistics and GIS
- Renfrew Interdisciplinary Colloquium/Lecture, University of Idaho. Tuesday May 5, 2020 Title: *Middle-Earth, Sacred Spaces & the Re-Enchantment of the World*

**Patents:** (provide title/description, patent number and date)

**Grants and Contracts Awarded:** (provide principal and co investigators, title, sponsor, funding dates, amount)

- Project: Mohammed Al-Sarawi (PI, Kuwait), Environmental Public Authority of Kuwait Raymond J. Dezzani (PI, USA), Department of Geography, Boston University Farouk El-Baz (Co-I), Center for Remote Sensing, Boston University. Title: *Dynamic Changes to the Tarcrete Layer in Kuwait Using Cell-Based Modeling*. Amount: \$225,000 December 1997 - June 1999. Funding Agency: Environmental Public Authority, State of Kuwait.
- 2006 Bioregional Planning Program Initiative Proposal. Steve Hollehorst (PI), R. Dezzani was a co-author and one of many contributors to this project. Project was fully funded by the University of Idaho.
- 2007 – UI Interdisciplinary Activities Grant Program. Lisette Waits (PI), Raymond Dezzani (Co-I) and Lee Vierling (Co-I). Title: *Landscapes Without Borders: Towards an Interdisciplinary Teaching and Research Program to Analyze Landscapes for Ecology and Conservation*. Amount: \$14, 646.
- 2008 UI EPScor Travel Grant for the Probabilistic Political Economy Conference in London, UK.
- Joint Award (2011-2013) from the US-Japan Research Institute with Gautam Ray (University of Kyoto, Department of Economics). Provides travel and support funds for myself and 1 graduate student for two years. First meeting, March 8, 2012 at US-Japan Research Institute in Washington D.C. to assess project goals. Project purpose is to evaluate the economic growth and Interaction/commodity chain development among the economies of the large democracies – US-Japan-India.
- 2012: IGERT co-PI award: \$ 1.5 million
- 2014 AFRI-NIMA Small Farms project Co-PI. Award: \$283,000. (grant supports my doctoral student Brendan Gordon and will produce at least two papers
- NSF Spatially Explicit Resilience (dissertation improvement grant for Courtney Thompson) Award: \$14,482.
- Spring 2017 sabbatical for completion of book on hegemonic change with Colin Flint.

**Honors and Awards:**

- Department of Earth Sciences Research Assistantships (1989-1991, 1995).
- Department of Earth Sciences Teaching Assistantships (1992-1994).
- Prize for Best Graduate Student Research Paper 1994, Mathematical Models and Quantitative Methods Specialty Group of the Association of American Geographers.
- Invitation to join the editorial board of journal *Geopolitics* for Taylor & Francis (April 2012)
- Invitation to join the editorial board of journal *Springer Nature* (October 2020)

**SERVICE:**

**Major Committee Assignments:** (National, State, District, County, University, College, Departmental and dates)

- University of Idaho ULTRA NSF proposal committee (2009),
- University of Idaho Geovisualization committee (2009-2014),
- Bio-Regional Planning Program Curriculum and Master committees (2006-2014)
- University of Idaho Geospatial information committee (2006-2014),
- College of Natural Resources Geospatial Information committee (2008-2014),
- UCGIS committees (1997-present).
- Geography Department representative to College of Science Curriculum Committee and chair of department curriculum committee (2007-Spring 2016),
- College of Science Awards Committee (2007-present),
- Geography Department Graduate selection and Scholarship Committee (2007-present).
- Geography Department representative to the COS Dean's Faculty Council 2011-2015,
- COS Tenure and Promotion Committee 2011-2015.
- University Tenure and Promotion Committee (2016)
- Borah Foundation Symposium Committee member 2013-2015.
- Chair, Department of Geography January 2019-October 2020.

**Professional and Scholarly Organizations** (including memberships, committee assignments, editorial services, offices held and dates)

**Memberships in scholarly societies**

- UCGIS (University Consortium for Geographic Information Science) – Univ. of Idaho representative.
- Association of American Geographers - member
- American Statistical Association – member
- **Sigma Xi Scientific Research Honor Society– member (since 2004)**
- Western Regional Science Association – member
- Mathematical Association of America – member and former graduate student member

**Editorial positions:**

- Associate Editor, *Journal of Geography and Disasters* (2011-present)
- Editorial Board member, *Geopolitics* (journal, Taylor and Francis journal, 2014-present)
- Editorial Board member, *Journal of Geopolitics Under Globalization* (Kozmenko Science Publishing Poland, November 2015 – present)
- Editorial Board member, Springer Nature Applied Sciences Earth and Environmental Sciences (October 2020-present)  
<https://www.springer.com/journal/42452/editors>
- Guest editor for *Environment and Planning A*. 2012.

**Scholarly Journal Reviews and Referee reports (list):**

*Annals of the Association of American Geographers, Cogent Arts and Humanities, Geopolitics, Journal of Geography and Natural Disasters, Economic Geography, International Regional Science Review, Environment and Planning A, Growth and Change, Journal of Transportation Statistics, Geographical Systems, Molecular Ecology, Professional Geographer, Urban Studies, Journal of World Systems Research, Water Resources Research, Journal of Environmental Management, Global Environmental Change, Environment and Society, The Arab World Geographer, Eastern European Economics, Applied Geography, Journal of Geopolitics, Springer Nature.*