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Curriculum vitae for the period covering August 1999 through October 2012 (my tenure at CSULB)

Education

Ph.D., Geography, Clark University, 1987
M.A., Geography, California State University, Northridge, 1976
B.A., Geography, *summa cum laude*, California State University, Northridge, 1973
A.A., French and German, Los Angeles Pierce College, 1972

Positions held

1999-present -- Professor of Geography, California State University, Long Beach
2011-2013 -- Director, Environmental Science and Policy Program, CSULB
2001-2007 -- Chair, Department of Geography, CSULB
2010-present -- Affiliated faculty, Emergency Services Administration online M.S. program, CSULB
2001-present -- Affiliated faculty, Environmental Science and Policy Program, CSULB
1995-1999 -- Associate Professor of Geography and Planning, CSU Chico
1989-1995 -- Assistant Professor of Geography and Planning, CSU Chico
1996-1999 -- Graduate Advisor, Geography M.A. program, CSU Chico
1996-1998 -- Director, Rural and Small Town Planning, CSU Chico
1982-1995 -- Consultant, Area Location Systems and Technologies, Los Angeles
1980-1989 -- Lecturer at CSU Northridge, Los Angeles Pierce College, intermittently at CSULA and Pepperdine
1977-- Computer Analyst at Jet Propulsion Lab, Pasadena, Landsat in Planning Demonstration Project

Professional Development

Refereed articles, chapters, proceedings:

2014. Landform classification and characterization. Second author with Edgardo Cañón. Invited article for *Encyclopedia of Planetary Landforms*. Ed. Ákos Kereszturi and Henrik Hargitai. NYC: Springer (forthcoming).
- 2014 -- Animal domestication. Invited updating of an article in the 3rd edition of the 1997 and 2008 *Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures*. Ed. Helaine Selin, NYC: Springer (forthcoming).
- 03/13 -- Constructing all-year floristic keys for small areas. *Fremontia: Journal of the California Native Plant Society* 40 1-2: 41-46.
- 11/11 -- Use of geochemistry data collected by the Mars Exploration Rover Spirit in Gusev Crater to teach geomorphic zonation through principal components analysis. *Journal of Geoscience Education* 59: 184-193. doi: 10.5408/1.3604826.
- 03/11 -- Nearest neighbor analysis, regression, and secondary crater prospecting on Mars. *Proceedings of the Lunar and Planetary Science Conference* 42: 1014.
- 09/10 -- "Animal domestication." Invited entry. *Encyclopedia of Geography*, 2nd ed., ed. Barney Warf, vol. 2, pp. 781-784. Thousand Oaks, CA: SAGE Publications.

- 12/08 – Geography from the back of the AAG program: Is geography what we say or what we do? *The California Geographer* 48.
- 09/07 -- Geography diversity initiatives at California State University, Long Beach: The Geoscience Diversity Enhancement Program. *Yearbook of the Association of Pacific Coast Geographers* 69: 160-167.
- 12/05 -- Jim Blaut's critique of diffusionism through a Neolithic lens: Animal domestication in the Near East. *Antipode* 37, 5: 981-989. doi:10.1111/j.0066-4812.2005.00546.x.
<<http://www.csulb.edu/~rodrigue/antipodeblaut.pdf>>
- 12/05 -- The state of geography and its cognate disciplines in the California State Universities from Fall 1992 through Fall 2004. *The California Geographer* 45: 59-85.
- 12/05 -- Geoscience field studies at California State University at Long Beach: Urban applied research with a community focus. *CUR Quarterly* 26, 2: 56-61. Second author with Elizabeth L. Ambos, Richard J. Behl, Christopher T. Lee, Suzanne P. Wechsler, Gregory Holk, Daniel O. Larson, Robert D. Francis, and David J. Whitney.
- 08/05 -- Enhancing diversity in the geosciences. *Journal of Geography* 104, 4 (July/August): 141-149. Fourth author with Suzanne P. Wechsler, David J. Whitney, Elizabeth L. Ambos, Christopher T. Lee, Richard J. Behl, Daniel O. Larson, Robert D. Francis, and Gregory Holk.
- 07/05 -- Ethnic differences in geoscience attitudes of college students. *EOS* 86, 30 (26 July): 277, 279. Eighth author with David J. Whitney, Richard J. Behl, Elizabeth L. Ambos, Robert D. Francis, Gregory Holk, Daniel O. Larson, Christopher T. Lee, and Suzanne P. Wechsler.
- 09/03 -- Representation of the September 11th terrorist attacks in the online edition of the *Los Angeles Times*. In *Beyond September 11th: An Account of Post-Disaster Research*, ed. Jacquelyn L. Monday. University of Colorado Natural Hazards Research and Applications Information Center Program on Environment and Behavior *Special Publication* 39: 521-558. <<http://www.csulb.edu/~rodrigue/0911/rodrigueproof.pdf>>
- 12/01 -- Internet media in technological risk construction: Plutonium on board the Cassini-Huygens spacecraft. *Risk* 12, 4: 221-254. <<http://www.csulb.edu/~rodrigue/risk01.html>>
- 02/01 -- Impact of Internet media in risk debates: The controversies over the Cassini-Huygens mission and the Anaheim Hills, California, landslide. *The Australian Journal of Emergency Management* 16, 1: 53-61. Available from the AJEM link at <<http://www.ema.gov.au/>>

Submitted articles:

- 01/14 – Geographers on Mars. Submitted to *The Professional Geographer*. Under review.

Manuscript under revision:

- 07/14 -- Disaster by management: Risk assessment, communication, and response in bureaucracies. Lead author with Eugenie Rovai. Being revised for the *Journal of Contingencies and Crisis Management*.

Book review:

- 11/06 -- Review of *After the Earth Shakes: Elastic Rebound on an Urban Planet*, by Susan Elizabeth Hough and Roger G. Bilham. *Geotimes* 51, 11: 50-51. <<http://www.geotimes.org/nov06/geomedia.html#review2>>

Unrefereed articles:

- 01/04 -- Communicating risk: Overcoming the challenges. Session Summaries of the 28th Annual Natural Hazards Research and Applications Workshop, 13-16 July 2003, Boulder, CO, S03-14 (my summary of a panel as its recorder) <<http://www.colorado.edu/hazards/workshop/2003/S03-14.html>>

Unrefereed article written as a requirement for a completed NSF grant with a refereed pre-proposal:

03/02 -- Patterns of Media Coverage of the Terrorist Attacks on the United States in September of 2001. *Quick Response Report* 146. <<http://www.colorado.edu/hazards/qr/qr146/qr146.html>> Unrefereed articles:

04/01 -- Construction of hazard perception and activism on the Internet: Amplifying trivial risks and obfuscating serious ones. *Natural Hazards Research Working Paper* 106. <<http://www.colorado.EDU/hazards/wp/wp106/wp106.html>> Extended abstract published on research resource web site:

12/01 -- Patterns of media coverage of the terrorist attacks on the United States in September of 2001. Abstract of then-ongoing research on NSF-sponsored *Disaster Research Support Site*, at the New York University Institute for Civil Infrastructure Systems. <<http://www.nyu.edu/icis/Recovery/pubs/rodrigue-update01.pdf>> All expenses were paid by NSF.

Invited panel remarks cited in session summaries for Boulder Hazard Workshop proceedings:

07/02 -- What's happening in higher education? Student needs and university responses session S02-6 of the *27th Hazards Research and Applications Workshop*, recorded by Wayne Blanchard. <<http://www.colorado.edu/hazards/ss/ss02/S02-6.html>>

07/01 -- The media, the Internet, and disasters session S01-22 of the *26th Hazards Research and Applications Workshop*, recorded by Nancy Dragani. <<http://www.colorado.edu/hazards/ss/ss01/s22.html>>

07/00 -- Public perception and hazard policy construction when experts and activists clash in the media session S00-32 of the *25th Hazards Research and Applications Workshop*, recorded by Mary Jean Pajak. <<http://www.colorado.edu/hazards/ss/ss00/s32.html>>

Conference presentations (most are available through <http://www.csulb.edu/~rodrigue/research.html>):

Sole authored:

09/13 -- Geographers on Mars. Presentation to the Association of Pacific Coast Geographers, Lake Tahoe.

12/12 -- The AAG's ALIGNED Toolkit: A place-based approach to fostering diversity in the geosciences. American Geophysical Union, paper ED11D-09 (sole-authored presentation on behalf of the AAG Project ALIGNED team, NSF Award 0914645).

02/12 -- Construction of floristic keys for use at the *alpha* and *beta* scales of biodiversity. Association of American Geographers, New York, NY.

02/12 -- Geoscience diversity at California State University, Long Beach: GDEP and ALIGNED. Invited panel presentation in the "Diverse Experiences in Diversity at the Geography Department Scale" special session, Association of American Geographers, New York, NY.

03/11 -- Nearest neighbor analysis, regression, and secondary crater prospecting on Mars. Lunar and Planetary Science Conference 42, The Woodlands, TX.

04/10 -- Detection of secondary craters to improve martian surface regionalization through the crater size-frequency distribution.. Association of American Geographers, Washington, DC.

03/09 -- From a hazards project to the regional geography of Mars. Introduction to the special panel, "Geography of Mars" I organized and chaired at the Association of American Geographers, Las Vegas, NV.

03/09 -- Orders of relief and the regional geography of Mars. Association of American Geographers, Las Vegas.

10/07 -- Mars in the geography classroom. Association of Pacific Coast Geographers, Long Beach.

04/07 -- The Geoscience Diversity Enhancement Program at CSULB and the Legacy of the Building Information Technology Skills Project at Temple University. Discussant remarks to the "Using GIS and Geovisualization

to Stimulate Health Geography, Community Wellness, and Technology Literacy" special session. This was an emergency service to replace the scheduled discussant who was called to testify in the California State Legislature at the same time as the session. The substitution took place after the conference program had been published. Association of American Geographers, San Francisco.

- 09/06 -- Geography diversity initiatives at California State University, Long Beach: The Geoscience Diversity Enhancement Program. Paper presentation to the "President's Plenary Session: Geography in a Diverse World," Association of Pacific Coast Geographers, Eugene, OR.
- 09/06 -- Growing geography: A view from "The Beach". Paper presentation to the "Strategies for Healthy Departments" special panel session organized by Dorothy Friedel, Association of Pacific Coast Geographers, Eugene, OR.
- 03/06 -- Katrina/Rita and risk communication within FEMA. Association of American Geographers, Chicago.
- 03/06 -- Student diversification and the health of geography departments in California. Invited panellist on the AAG Diversity Task Force session: Collaboration and outreach Association of American Geographers, Chicago.
- 04/05 -- The state of geography and its cognate disciplines in the California State Universities. Paper presentation for a roundtable discussion session I organized and chaired for the California Geographical Society, The Ahwahnee, Yosemite.
- 04/05 -- The construction of Mediterranean scrub in biogeography and ecology. Paper presentation to the Geosystems, Ecosystems, and Wildfires 5: Management Issues session of the Biogeography Specialty Group, Association of American Geographers, Denver.
- 12/04 -- The construction of scrub in California and the Mediterranean Borderlands: Climatic and Edaphic Climax Mosaic or Anthropogenic. Poster presentation scheduled for the American Geophysical Union, San Francisco. Unfortunately, due to illness, I was unable to drive to San Francisco to deliver the poster: I made the paper available at <<http://www.csulb.edu/~rodrigue/fire/agu04.ppt>>.
- 10/04 -- Hazard vulnerability, media construction of disaster, and risk management. Invited paper presentation to the Education Commission Working Group of the World Association of Disaster and Emergency Medicine, Brussels. All expenses were paid by WADEM.
- 07/04 -- Disaster by management: Managerialism and Normal Accident Theory in the Columbia Accident and FBI Headquarters' Response to Field Office Concerns before 9/11. 29th Annual Hazards Research and Applications Workshop, Boulder, CO.
- 03/04 -- Disaster by management: The Columbia accident and September 11th. Presentation to the Hazards and Disasters: Management and Mitigation special session, sponsored by the Hazards Specialty Group, Association of American Geographers, Philadelphia.
- 03/04 -- El Niño and 9/11 Quick Response Research Projects. Invited presentation to the Quick Response Research and Scholarship in Geography panel, sponsored by the Hazards, Qualitative Methods, and Environmental Perception and Behavior specialty groups, Association of American Geographers.
- 07/02 -- Developing controversies in the Mars Sample Return Program. *27th Annual Hazards Research and Applications Workshop*, Boulder, CO (invitation only).
- 07/02 -- Media coverage of the events of 9/11. *27th Annual Hazards Research and Applications Workshop*, Boulder, CO. (invitation only)
- 7/02 -- Hazards and GIS education at California State University, Long Beach. Invited panel presentation in the What's Happening in Higher Education? Student Needs and University Responses. *27th Annual Hazards Research and Applications Workshop*, Boulder, CO (invitation only).
- 05/02 -- Assessment of an experiment in teaching geography online. *California Geographical Society*, Lone Pine.

- 03/02 -- Media and hazards: Different constructions of public perception by conventional media and the Internet. *Association of American Geographers*, Los Angeles.
- 03/02 -- Media and the terrorist attack of 11 September 2001: *Los Angeles Times'* coverage for the first twelve weeks. *Association of American Geographers*, Los Angeles.
- 03/02 --Media coverage of the terrorist attack on the World Trade Center and the Pentagon. *Association of American Geographers*, Los Angeles.
- 12/01 -- Progress report on patterns of media coverage of the terrorist attacks on the United States in September of 2001, a Quick Response Grant. Invited paper for the *New York University's Institute for Civil Infrastructure Systems Workshop on the World Trade Center*, New York (travel arranged and funded by the National Science Foundation).
- 11/01 -- Risk representation in the space program: The Internet and the social amplification of risk. Invited paper for a *Jet Propulsion Lab/NASA Headquarters/Ames Research Center/Johnson Space Center Teleconference*, Pasadena.
- 07/01 -- The Internet in risk communication and hazards activism. Invited paper for a panel on media in hazards and disasters, *26th Hazards Research and Applications Workshop*, Boulder, CO.
- 07/01 -- The Internet in the social amplification and attenuation of risk. Poster presentation, *26th Hazards Research and Applications Workshop*, Boulder, CO (invitation only).
- 02/01 -- Construction of hazard perception and activism on the Internet. *Association of American Geographers*, New York.
- 12/00 -- The use of the Internet and web-based technology for space and geoscience (mis)education: New media in natural and technological hazard debates. *Fall meeting, American Geophysical Union*, San Francisco.
- 07/00 -- Public perception and hazard policy construction when experts and activists clash in the media. Invited hour-long presentation, *25th Hazards Research and Applications Workshop*, Boulder, CO.
- 07/00 -- Internet recruitment and activism in the Cassini controversy. *25th Hazards Research and Applications Workshop*, Boulder, CO (invitation only).
- 02/00 -- Internet recruitment and activism in constructing technological risk. *American Association for the Advancement of Science*, Washington, DC.

Sole-authored presentations as part of a grant review panel:

- 03/01 -- Three invited presentations on my review of three research proposals submitted for funding. *Center for Disaster Management and Humanitarian Assistance*, St. Petersburg, FL. Travel funded by the CDMHA.

Co-authored presentations (presenting author[s] underlined):

GDEP team presentations (abstracts available at: <http://www.csulb.edu/geography/gdep/abstracts.html>):

- 05/10 -- An 80 year record of the disturbance regime of California coastal sage scrub on the Palos Verdes Peninsula."Third author with Jade Dean. (undergraduate); Paul Laris, and Michael Ferris (graduate student). Southern California Academy of Sciences, Los Angeles.
- 12/05 -- Geosciences student recruitment strategies at California State University, Long Beach (CSULB): Earth system science/community-research based education partnerships. Fourth and presenting author with E.L. Ambos, R. Behl, D. Whitney, S. Wechsler, G. Holk, R.D. Francis, D. Larson. Invited paper presentation. American Geophysical Union, San Francisco.

- 11/04 -- Hunting for students: Outreach and retention strategies in a competitive urban market. Seventh author with Richard Behl, Elizabeth L. Ambos, R. D. Francis, Gregory Holk, Daniel O. Larson, Christopher T. Lee, Suzanne P. Wechsler, and David J. Whitney. Geological Society of America, Denver, CO.
- 06/04 -- The Geoscience Diversity Enhancement Program (GDEP): An NSF-OEDG program emphasizing interdisciplinary earth system science research. First and presenting author, with Elizabeth L. Ambos, Richard Behl, R. Daniel Francis, Daniel O. Larson, María-Teresa Ramírez-Herrera, Gregory Holk, Suzanne P. Wechsler, Christopher T. Lee, David Whitney, and Shellinda Barré, College and University Earth System Science Education in the 21st Century, NASA sponsored through the Universities Space Research Association, Monterey, CA.
- 06/05 -- The Geoscience Diversity Enhancement Program (GDEP): An NSF-OEDG Program Emphasizing Integrated Geoscience Research in Urban Areas. Sixth author, with Elizabeth L. Ambos, Richard Behl, R. Daniel Francis, Daniel O. Larson, María-Teresa Ramírez-Herrera, Gregory Holk, Suzanne Wechsler, Christopher Lee, David Whitney, and Shellinda Barré, Incorporated Research Institutions for Seismology, Tucson, AZ.
- 11/03 -- Mapping GIS data in science: A university/high school partnership. Third author with Linda L. Sanders, María-Teresa Ramírez-Herrera, and Christopher T. Lee. *Geological Society of America*, Seattle.
- 07/03 -- Geoscience Diversity Enhancement Project: Hazards-related projects. First and presenting author with Christopher T. Lee, María-Teresa Ramírez, Robert D. Francis, Elizabeth L. Ambos, Richard Behl, Gregory Holk, Dan O. Larson, Suzanne P. Wechsler, James C. Sample, David J. Whitney, and Crisanne Hazen, *28th Annual Hazards Research and Applications Workshop*, Boulder, CO (invitation only).
- 03/03 -- Geoscience Diversity Enhancement Project: Student responses. First and presenting author with Suzanne Wechsler, David Whitney, Elizabeth L. Ambos, María-Teresa Ramírez, Richard Behl, Robert D. Francis, Dan O. Larson, and Crisanne Hazen, *Association of American Geographers*, New Orleans.
- 12/02 -- The Geoscience Diversity Enhancement Program (GDEP): Building an earth system science centered research, education, and outreach effort in urban Long Beach, California. Seventh author with Elizabeth L. Ambos, James C. Sample, Richard Behl, Robert D. Francis, Daniel O. Larson, María-Teresa Ramírez, Suzanne Wechsler, David Whitney, and Crisanne Hazen, *American Geophysical Union*, San Francisco.
- 10/02 -- GDEP (Geoscience Diversity Enhancement Program): An interdisciplinary summer research program to increase the diversity of geography, geology, and archaeology majors --<http://www.csulb.edu/geography/gdep/>. Second author with Elizabeth L. Ambos, Suzanne P. Wechsler, Robert D. Francis, James C. Sample, Richard Behl, María Teresa Ramírez-Herrera, Daniel O. Larson, David J. Whitney, Crisanne Hazen. *The Association of Pacific Coast Geographers*, San Bernardino, CA.
- 10/02 -- General education student perceptions of the geosciences. Third and presenting author with David J. Whitney, Suzanne Wechsler, Elizabeth L. Ambos, James C. Sample, Richard Behl, Robert D. Francis, Daniel O. Larson, María-Teresa Ramírez, and Crisanne Hazen, *The Association of Pacific Coast Geographers*, San Bernardino, CA.
- 10/02 -- GDEP (Geoscience Diversity Enhancement Program): Creating a community-based summer geoscience research program. Seventh author with Elizabeth L. Ambos, James C. Sample, Richard Behl, Robert D. Francis, Daniel O. Larson, María-Teresa Ramírez, Suzanne Wechsler, David Whitney, and Crisanne Hazen, *The Geological Society of America*, Denver.

Other co-authored presentations:

- 05/13 -- Restoration of California sage scrub: Reclamation of ground cover from exotic grassland." C.M. Rodrigue (presenting), P. Laris, L. Avelar Portillo, S. Brennan, J. Diminutto, M. Mills, P. Nesbit, A. Santana, C. Tabag, C. Vaughan, and S. Winslow." Southern California Academy of Sciences, Long Beach.
- 04/10 -- An 80 year record of the disturbance regime of California coastal sage scrub on the Palos Verdes Peninsula. Third author with Jade Dean (presenting) and Paul Laris. Presentation to the Southern California Academy of Sciences, Los Angeles.

- 04/09 -- Marijuana cultivation in National Forests and Parks, environmental impacts, and policy failure: Disaster by management.. Second author and co-presenter with Eugenie Rovai. Western Social Science Association, Albuquerque
- 12/08 -- "Statistical relationships among proxies of climate, productivity, and the carbon cycle across climatic regimes. Third author with Carlye D. Peterson (presenting), Richard J. Behl, C.M. Zeleski, and C.M. Hill. American Geophysical Union, San Francisco.
- 04/08 -- "Disaster by management: Marijuana cultivation in National Forests and National Parks. First and presenting author with Eugenie Rovai and with the assistance of Janna Waligorski. Association of American Geographers, Boston.
- 04/08 -- "Marijuana cultivation in National Forests and National Parks: American market, post-9/11 border securitization, and global in-sourcing of production. Panel presentation, first and presenting author with Eugenie Rovai and with the assistance of Janna Waligorski, Association of American Geographers, Boston.
- 10/07 -- Disaster by management: International drug cartels and the North State National Forest lands. National Social Science Association, Cabo San Lucas, Mexico. Second and co-presenting author with Eugenie Rovai.
- 04/04 -- Web reports and maps: student collaborative research online. First and presenting author with Eugenie Rovai and Steve Stewart, with Judith A. Tyner. Paper presentation to the California Geographical Society, Long Beach.
- 07/02 -- GIS articulation: Addressing the issue, sharing experiences, and moving forward. Second and co-presenting author with Suzanne P. Wechsler. *Twenty-second Annual ESRI International User's Conference (ESRI Education Users -- HiEd: GIS Articulation)*, San Diego.

Grant-writing:

- 03/13 -- I was granted an internal RSCA for a proposal to extend my research on California sage scrub and its response to fire. This was the basis of field research projects in ES&P 400 in Spring 2014.
- 12/12 -- I was granted an internal RSCA for a proposal to continue my research on California sage scrub. This resulted in a refereed publication in Spring 2013.
- 10/11 -- I was granted an internal RSCA for a proposal to continue my research on California sage scrub. This was the basis of a seminar, GEOG 640 (Seminar in Physical Geography), in Fall 2012, and a symposium of the seminar's research in May 2013.
- 12/10 -- I was awarded one semester of course release for Spring 2011 to continue my sabbatical work on Mars, focussing on using statistics to refine crater-counting methods for relative age-dating of martian surfaces. An article has been submitted to a refereed journal.
- 12/09 -- I was granted one semester of course release for Spring 2010 from the internal Scholarly and Creative Leave Committee to complete a floristic key for the Palos Verdes Peninsula, which does not rely on flowers. The key is complete for trees, shrubs and subshrubs, vines, and succulents and is available at <http://www.csulb.edu/geography/PV/>. The project has also resulted in a conference presentation and a refereed publication.
- 04/09 -- I was awarded a one semester sabbatical for Fall, 2009, to pursue my research on Mars. So far, this has yielded two conference presentations, a refereed article, and a new course proposal (GEOG 441/541, Geography of Mars, which was taught in Spring 2012).
- 01/09 -- I was part of an interdisciplinary team that submitted an assessment project to the Los Angeles City Mayor's Office in response to an RFP entitled "Gang Reduction and Youth Development – Evaluation." Denied.
- 12/08 -- I was granted one semester of course release for Fall 2008 from the internal SCAC program to complete an article on "Disaster by Management," bringing together four case studies (NASA and the crash of the

Columbia, FBI and 9/11, FEMA and Katrina, and, with a co-author, the expansion of marijuana plantations in National Forest and National Park wilderness areas. Article was submitted to Public Administration Review and revised according to the then-editor's specifications. Revisions led to referee rejection. New editor encouraged us to submit the original article to the Journal of Contingencies and Crisis Management, and we are in the final stages of doing so, with a planned submission date of June 2012. Additionally, we gave a conference presentation.

12/08 – I was part (Senior Personnel) of a six person Association of American Geographers team that wrote a proposal entitled “Departments and Underrepresented Students ALIGNED: Addressing Locally-tailored Information Infrastructure & Geoscience Needs for Enhancing Diversity.” This AAG project seeks to support underrepresented youth to learn just where and how they might transform their personal interests into career goals, and mobilize and retool departments with better ways to learn where to find and how to connect with underrepresented groups, including how to convey the relevance of geoscience careers. Submitted to the National Science Foundation December 2008. \$199,276. NSF Award 0914645.

09/04 and 09/06 -- I was part (Faculty Associate) of the Geoscience Diversity Enhancement Project team that wrote a proposal to fund another round of GDEP summer research projects targeted to underrepresented students from surrounding community colleges and high schools. GDEP Track 2 is a more ambitious program designed to establish a "watershed" of seamless recruitment of promising minority students into the geosciences from families, high schools, and community colleges into CSULB Geography, Geological Sciences, Archaeology, and Environmental Science and Policy majors. The expanded project is to include field trips for families of students considering applying for a GDEP summer internship and the establishment of ties with local agencies and companies to place trained GDEP students into internships and eventual jobs in these institutions. Submitted September 2004. Denied with a "fund if possible" rating. Resubmitted September 2006 and funded for five years: \$1,088,000. NSF Award 0703798.

09/02 and 03 -- I was part of a team I convened to write a National Science Foundation proposal, Geospatial Technologies Research and Education Partnership (GT-REP). This three-year, \$630,000 project would provide sixteen internships each year for students at CSULB, CSU Dominguez Hills, CSU Fullerton, CSU Los Angeles, CSU Northridge, Long Beach City College, and Rio Hondo College to collect and process live fuel moisture data in the chaparral of Southern California and preprocess AVIRIS imagery to assist UC Santa Barbara and Aerospace Corporation in detecting changes in hyperspectral reflectance signatures that correlate with changes in LFM to develop better monitoring of evolving fire hazard conditions in the suburban-montane interface. The PI would be Christopher Lee, the Co-PI would be Suzanne Wechsler, Paul Laris and I would serve as senior research mentors, and Jennifer Garwick-Lonergan of Psychology would serve as assessor. Status: First submitted September 2002. Denied. Resubmitted September 2003, denied.

11/02 -- With Christopher Lee, I convened a team to write a National Aeronautics and Space Administration proposal, Integration and Management of Applications and Geospatial Education: Wildfire Hazard Analysis Using Hyperspectral Imagery (IMAGE), for the NASA Research, Education, and Applications Solution Network (REASoN) solicitation in November 2002. This five-year, \$3,000,000 project was to coordinate the research and applications activities of CSULB Geography, UCSB, Los Angeles fire-fighting agencies, the San Dimas Experimental Forest, Crystal Cove State Park, and Jet Propulsion Lab and provide education and workforce development related to this research and applications work. The PI is Christopher Lee. The senior researchers at CSULB are Suzanne Wechsler, Paul Laris, and I in Geography and Laura Henriques in Science Education, and Dar Roberts, Charles Jones, Richard Church, Max Moritz, Phaedon Kiriakidis, and Phil Dennison at UCSB. Status: Denied July 2003. The grant will be resubmitted to NSF in 2004, with the addition of Jon Keeley of USGS and Janet Franklin at SDSU.

11/02 -- I was part of a team convened by Anita Sohus of JPL to write another NASA proposal, Hazards Assessment and Visualization Online: a Collaboration (HAVOC), also submitted to the REASoN solicitation in November 2002. This five-year, \$3,000,000 project was to coordinate the education applications activities of JPL, CSULB, CSULA, and CSUN. The product of this grant was inquiry-based teaching modules for K-12 education focussed on natural hazards. These modules would use data from the Shuttle Radar Topography Mission, Landsat, AVIRIS, AirSAR, ASTER, and MISR, as well as GPS Networks and feature an online clickable interactive map that allows manipulation and interpretation of multiple earth science remote sensing data sets. The senior researchers at CSULB would be Christopher Lee, Suzanne Wechsler, Paul Laris, Vincent Del Casino, and I in Geography and Carl Lipo in Anthropology. Status: Denied July 2003.

- 10/01 -- I was invited to submit an NSF-funded Quick Response Grant proposal by the Natural Hazards Research and Applications Center, University of Colorado, Boulder, concerning the terrorist attacks on 11 September 2001. I received a \$230 grant to defray the costs of a literature content analysis of the online edition of the *Los Angeles Times*. The *Quick Response Report* was published in February of 2002. This project also resulted in an invited submission for an 2003 anthology on 9/11 edited by the Hazards Center. Status: Awarded and work completed. <<http://www.colorado.EDU/hazards/qrsept.html>>
- 04/02 -- I was awarded a one semester sabbatical for Fall, 2002, to pursue my research on the events of 9/11 and the emerging controversies surrounding the Mars Sample Return Lander. I completed two articles and nine conference presentations on 9/11. I completed two conference presentations on the Mars Sample Return Lander and taught a Special Topics course for S/07, Areography: A Regional Geography of Mars, which led to three conference presentations on geographic Mars education.. I also worked on the two NASA and one NSF (GT-REP) grant proposals above.
- 03/01 -- I was one of a team of PIs from the Geological Sciences, Geography, and Anthropology departments who submitted a \$852,000 grant proposal to the National Science Foundation Geosciences Diversity Initiative to institute research collaborations with area community college and high school faculty and their outstanding minority students. The three-year project, The Geoscience Diversity Enhancement Project (GDEP), engages students in hands-on summer research projects, conference presentations, and presentations at their home campuses, with an eye to interesting them in majoring in geology, geography, or archaeology. Status: Grant was approved and GDEP started in September 2001 and will run through August 2004. Award number: 0119891. The project has thus far generated six publications and 34 conference presentations.
- 06/00 -- I was awarded 0.02 released time and \$1,500 student assistant funds through internal funding at CSULB to work on incorporating assessment into the Geography curriculum.. This grant resulted in an analysis of the 18 national geography standards and the Department's own internal goals and objectives in the curriculum and a comparison of the structure of the geography majors among the six CSU campuses in Southern California, products that have informed curriculum revision in the Department and resulted in the Department becoming very actively assessment-oriented.

Instruction and Advising

Courses taught at CSULB from F/99 through F/12:

- **Geography 696** -- Seminar in Geographical Research Methods -- S/05, S/06, S/09, S/10, and S/11
 - Syllabus: <http://www.csulb.edu/~rodrigue/geog696/syllabus.html>
 - Course home page: <http://www.csulb.edu/~rodrigue/geog696/>
- **Geography 640** -- Seminar in Physical Geography (F/10 and F/12: Hazards), (F/12: Biogeography)
 - Syllabus: <http://www.csulb.edu/~rodrigue/geog600/syllabus.html>
 - Course home page: <http://www.csulb.edu/~rodrigue/geog600/>
- **Geography 600** -- Seminar in Regional Geography (Topic: California as Hazard) -- S/00
 - Syllabus: <http://www.csulb.edu/~rodrigue/geog600/syllabus.html>
 - Course home page: <http://www.csulb.edu/~rodrigue/geog600/>
- **Geography 558** -- Hazards and Risk Management (for EMER M.S. program) -- F/10 and F/11
 - Syllabus: <http://www.csulb.edu/~rodrigue/geog558/syllabus.html>
 - Course home page: <http://www.csulb.edu/~rodrigue/geog558/>
- **Geography 494** -- Areography: A Regional Geography of Mars -- S/07 -- Special Topics
 - Syllabus: <http://www.csulb.edu/~rodrigue/mars/syllabus07.html>.
 - Course home page: <http://www.csulb.edu/~rodrigue/mars/indexS07.html>.
- **Geography 452** -- Economic Geography -- S/01
 - Syllabus: <http://www.csulb.edu/~rodrigue/geog452/syllabus.html>
 - Course home page: <http://www.csulb.edu/~rodrigue/geog452/>

- **Geography 458/558** -- Hazards and Risk Management -- S/03, S/05, S/07, S/09, and F/13
 - Syllabus: <http://www.csulb.edu/~rodrigue/geog458558/syllabus.html>
 - Course home page: <http://www.csulb.edu/~rodrigue/geog458558/>
- **Geography 442** -- Biogeography -- F/00, F/01, F/03, S/07, F/07, F/08, F/11, and S/13
 - Syllabus: <http://www.csulb.edu/~rodrigue/geog442/syllabus.html>
 - Course home page: <http://www.csulb.edu/~rodrigue/geog442/>
- **Geography 441/541** -- Geography of Mars -- S/12 and S/14
 - Syllabus: <http://www.csulb.edu/~rodrigue/geog441541/syllabus.html>
 - Course home page: <http://www.csulb.edu/~rodrigue/geog441541/>
- **Geography 400** -- Geographical Analysis -- S/01, S/06, S/08, S/09, S/12, and S/13
 - Syllabus: <http://www.csulb.edu/~rodrigue/geog400/syllabus.html>
 - Course home page: <http://www.csulb.edu/~rodrigue/geog400/>
- **ES&P 400** -- Environmental Science and Policy Program Capstone -- S/12, F/12, and S/14
 - Syllabus: <http://www.csulb.edu/~rodrigue/es&p400/syllabusF12.pdf>
 - Course home page: <http://www.csulb.edu/~rodrigue/es&p400/>
- **Geography 304** -- California -- F/99 and S/00
 - Syllabus: <http://www.csulb.edu/~rodrigue/geog304/syllabus.html>
 - Course home page: <http://www.csulb.edu/~rodrigue/geog304/>
- **University 300i** -- Katrina -- S/06 -- co-taught with T. Caron, P. Johnson, D. O'Connor
 - Syllabus: <http://www.csulb.edu/~rodrigue/univ300i/syllabus.doc>
 - Course home page: <http://www.csulb.edu/~rodrigue/univ300i/>
- **Geography 200** -- Intro. to Research Methods for Geographers -- F/99, 00, 04, 05, 06, 07, and 08
 - Syllabus: <http://www.csulb.edu/~rodrigue/geog200/syllabus.html>
 - Course home page: <http://www.csulb.edu/~rodrigue/geog200/>
- **Geography 140** -- Introductory Physical Geography -- F/99, S/00, F/01, S/02, S/03, Sum/07, and F/07
 - Online course syllabus: <http://www.csulb.edu/~rodrigue/geog140/syllabusS02.html>
 - Online course home page: <http://www.csulb.edu/~rodrigue/geog140/indexS02.html>
 - Lecture course syllabus: <http://www.csulb.edu/~rodrigue/geog140-05/syllabus.html>
 - Lecture course home page: <http://www.csulb.edu/~rodrigue/geog140-05/>
- **Geography 130** -- Geography of Our Changing Climate
 - Lab science course proposal: <http://www.csulb.edu/~rodrigue/geog130/GEOG130SCO09.pdf>
 - Proposed syllabus: <http://www.csulb.edu/~rodrigue/geog130/GEOG130syllabusCMR.pdf>

Advising at CSULB:

Graduate Advisor, Geography, F/01-S/03, F/07-S/11

Dissertation advisee, Texas State University, San Marcos:

- Angela Wranic (fifth reader), Composite Learning Objects in Geographical Sciences (pending, 2014)

Thesis advisees, CSULB:

- Samantha Antcliffe (third reader), Native Plant Restoration Following the Eradication of Invasive Tamarisk in the Tijuana Estuary, California (completed, 2009).

- Ken Baloun (chair of committee), An Assessment of Uncertainty in Digital Elevation Models in GIS (completed, 2006)
- Adrienne Bosler (chair of committee), Perching preferences of raptor in Southern California salt marshes (completed, 2011).
- Rebekah R. Boulton (second [statistical] reader), Assessment of Vegetation Dynamics in Cienega de Santa Clara, Mexico, Using Landsat Satellite Imagery and Ancillary Data (1973-2003) (completed, 2004)
- Susanne Byrne-Dronkers (second [statistical] reader), Geographical Information Science/ Systems (GIS) Education in California Community Colleges (completed, 2002)
- Scott W. Eckardt (third reader), Assessment of Wildfire Frequency and Coastal Sage Scrub Vegetation Dynamics in the Santa Monica Mountains of Southern California (completed, 2006). This thesis was the College of Liberal Arts Outstanding Thesis and the CSULB nomination for Western Association of Graduate Schools Annual Outstanding Thesis Award.
- Kevin Flaherty (chair of committee), "Community Organizations and PGIS in Long Beach, California" (completed, 2014)
- Deborah Hann (chair of committee), The Use of Maps in Children's Literature (completed, 2008). This thesis won the College of Liberal Arts Outstanding Thesis Award.
- Daniel Hofer (chair of committee), GIS Applications for Wildland-Urban Interface Fire Planning: A Case Study in Orange County's Silverado Canyon (completed, 2004)
- Jeannine Hogg (chair of committee), Waterlogged: An Assessment of Social Vulnerability in Flood-Prone Yuba County, California (pending, 2014)
- Edward F. Huefe (second reader), Music Geography across the Borderline: Musical Iconography, Mythic Themes, and North American Perceptions of a Borderland Landscape (completed 2002)
- Seri McClendon (chair of committee), Cradle to Cradle Recycling of E-Commerce Shipment Containers (completed 2005)
- Shira Yoshi Maezumi, Department of Anthropology (third [statistical] reader), A paleoenvironmental reconstruction of the Huntington Beach wetlands (completed, 2010)
- Andrew Mardesic (chair of committee), School-level Crime, Academic Performance, and Neighborhood-scale Demographics (pending, 2014).
- Ron Menguita (chair of committee), Evaluation of New Urbanism Projects in California against the 'Ahwanee Principles' (completed, 2002)
- Mike Mercurio (chair of committee), Theme Parks in California (completed, 2011)
- Debbie Morris-Williamson (second [statistical] reader), The Response of Teachers on the Emphasis of Geography Skills and Concepts in their Teaching: A Selected Study of Sixth Grade Teachers in Southern California (completed, 2000)
- Valerie Müller (second [statistical] reader), Satellites, Census, and the Quality of Life (completed, 2002)

- Perreira, Carla, Department of Anthropology (third [statistical] reader), Stylistic variability within assemblages of Late Prehistoric pottery in the Lower Mississippi Valley (pending, 2014)
- Pitts, Lisa A. (second [statistical] reader), GIS in High Schools: A Case for Teaching Geography Through Technology (completed, 2005)
- Annette Quintero (chair), Household Level Food Security in Costa Rica (completed, 2011)
- José Robles (chair of committee), West Nile virus risk assessment with the use of GIS and remote sensing.(pending, 2014)
- David A. Schwartz (chair of committee), Arctic Search and Rescue in the Waters of the US, Canada, and Denmark (pending, 2014)
- Brian Simms (third [statistical] reader), A Viewshed Accuracy Assessment: Comparison of Field-Derived and Computer-Derived Viewsheds (completed, 2010)
- Colette Simonds (second [statistical] reader), Exotic Plant Species Pattern in Selected Areas of Sequoia and Kings Canyon National Parks (completed 2005)
- Erin R. Stockenberg (second [statistical] reader), The Effect of Spatial, Spectral, and Radiometric Resolutions on the Accuracy of Landcover Classifications (completed, 2002)
- Carin Tabag (chair), Chemical Perceptions and Toxic Torts: Comparing Los Angeles Country Jurors' Understanding of Chemical Risk and Safety with California Toxic Tort Law (pending, 2014)
- Denise Marie Weide, Department of Geological Sciences (second [statistical] reader), Freshwater Diatoms as Proxy for Winter Monsoon Intensity in Lac Ba Bé, Vietnam (completed, 2012)

Advising at CSUC after my arrival at CSULB:

Thesis advisees at CSUC:

- Christopher E. Carterette (second reader), A Spatial Analysis of Rural Cemeteries near Chico, California (completed, 2000)
- Donna A. Deneen (third reader -- I was chair but moving to CSULB required me to be an outside reader), Acid Rain and the Press (completed, 2001)
- Matthew C. Julias (third reader -- I had been second reader but moving to CSULB required me to be an outside reader), Using GIS to Identify Geographic Risk Factors of Lyme disease: Case Study of Butte County, California (completed, 2002)
- Janna Waligorski (second [statistical] reader, despite being outside), Cognitive Mapping of First Year Students (completed, 2011).

Other Mentoring Activity at CSULB:

- A team of students (Andrew Houston, Doreen Jeffrey, and Leeta Latham) in my Geography 497-01 course in Spring 2003 did a collaborative research project on the Oakland Firestorm of 1991. This collaboration resulted in a web report on their work, which included a map selected from six submitted by Steven Stewart's cartography class at CSUC for the collaborative intercampus project. In yet another collaboration, Ms Jeffreys collaborated with a student in Judith Tyner's advanced cartography course here at CSULB to create a movie about the firestorm built around an animated map of the disaster they had created for Dr. Tyner's class. The whole project was then delivered at the Southern California Conference on Undergraduate Education in November 2003:

Oakland Berkeley Firestorm 1991, and this project was described in a *Los Angeles Times* article about the conference.

Service to the Profession, Campus, and Community

Service to the Profession:

- 2013 – Manuscript reviewer on landscape modeling using statistics for *Computers and Geosciences*
- 2012 – Manuscript reviewer on uncertainty in fire risk for *Society and Natural Resources*
- 2012 -- Manuscript reviewer on sustainable disaster recovery for the *International Journal of Disaster Risk Reduction*
- 2012 -- Manuscript reviewer on risk perception and flood hazard in Ghana for *Disaster Journal*.
- 2011 -- Textbook referee on research methods for Hodder Education, London
- 2011 -- Manuscript referee for revised manuscript on communications technology and safety, *Natural Hazards Review*.
- 2010 -- Manuscript reviewer on reconstruction after earthquake, *Disasters Journal*.
- 2101 -- Manuscript reviewer on communication technologies and safety, *Natural Hazards Review*.
- 2009 -- Manuscript referee on information and communication technologies and safety in risky environments for *Applied Geography*.
- 2007 -- Webmaster for the Association of Pacific Coast *Geographers 2007 conference held in Long Beach and hosted by our department* <<http://www.csulb.edu/geography/apcg/>>
- 2006 -- Manuscript reviewer on perception of wildland-urban interface fire hazard for *Natural Hazards Review*.
- 2006 -- Manuscript reviewer on risk analysis and vulnerability assessment for *Disasters: The Journal of Disaster Policy, Studies and Management*.
- 2005 -- Manuscript reviewer on lay versus expert perceptions of technological risk for *The Professional Geographer*.
- 07/04 -- Moderated a session entitled, "Integrating Science and Society The USGS Science Impact Program," 29th Annual Hazards Research and Applications Workshop, Boulder, CO.
- 12/03 -- Nominated Vincent Del Casino for the Association of American Geographers Glenda Laws Memorial Award, coordinating letters with Dennis Fisher (Psychology, CSULB), Katherine Gibson (Human Geography, Australian National University), and John Paul Jones III (Chair, Geography, University of Arizona). Dr. Del Casino received the first such award.
- 11/03 -- Invited to review and critique an article on risk communication in wildfire situations for an anthology commissioned by the U.S. Forest Service. An honorarium of \$1,000 was paid.
- 07/03 -- Facilitator of the first ever First-Timers Orientation for new invitees to the Hazards Research and Applications Workshop held annually in Boulder, Colorado and panel recorder for the Communicating Risk: Overcoming the Challenges session.

- 05/02 -- Manuscript reviewer on seismic microzoning for *Natural Hazards Review*.
- 05/02 -- Chaired a paper session on geographic education at the California Geographic Society meeting in Lone Pine.
- 03/02 -- Organizer and Chair for a session on Media and the Terrorist Attack of 11 September 2001, Association of American Geographers, Los Angeles.
- 03/02 -- Organizer for a session that addressed Media in Hazards and Disasters, Association of American Geographers, Los Angeles.
- 03/01 -- I served as part of a panel of eight hazards experts flown in by the Center for Disaster Management and Hazard Management to evaluate 24 proposals for funding. The CDMHA is a relatively new center jointly run by the University of South Florida and Tulane University. I reviewed three research proposals on volcanic, flooding, and hurricane hazards in South America, Mexico, and the Caribbean and made presentations on their strengths and limitations to the panel. I also read the 21 other proposals in order to discuss them after they were presented to the panel and CDMHA staff. Five of the 24 were recommended for funding, including the two that I had presented and recommended for funding. All expenses were paid and an honorarium of \$500 was awarded.
- 02/01 -- Chaired a session entitled, New Departures in Research on the Human Dimensions of Technological Hazards, Association of American Geographers, New York.
- 12/00 -- Chaired a session entitled, New Tools and Perspectives on Understanding Natural Hazards Worldwide Posters, fall meeting of the American Geophysical Union, San Francisco.

Program Review:s

- 2010 -- External reviewer of the geography undergraduate program in the Department of Anthropology and Geography at Stanislaus State University in Turlock, CA.
- 2008 -- External reviewer of the geography undergraduate program in the Department of Geography and Global Studies at Sonoma State University in Rohnert Park, CA.
- 2008 -- Internal reviewer of the German program of the CSULB Department of Romance, German, Russian Languages and Literatures.
- 2006 -- Co-author with Stanley Finney (Chair, Department of Geological Sciences) of the Self-Study for the CSULB Environmental Science and Policy Program, accessible from <http://www.csulb.edu/depts/geography/ES&P/ES&Pselfstudy.doc>
- 2006 -- Author of the Self-Study for the CSULB Department of Geography, accessible from <http://www.csulb.edu/depts/geography/selfstudy.html>.
- 2006 -- External reviewer for the Department of Geography and Planning at California State University, Chico.

Presentations to the Community:

- 04/11 -- Plate Tectonics and Earthquake Hazard." Presentation to the "Avenue 63 Area Potluck and Earthquake Plan," an *ad hoc* neighborhood earthquake and disaster preparedness group in Garvanza.
- 06/10 -- What's a Nice Geographer Like You Doing in a Place Like Mars? National Lab Day presentation to Ms. Mary Ann Dortch's sixth grade class at Olive Vista Middle School, Sylmar, CA.

- 10/08 – Geoscience Diversity Enhancement Project community field trip to Palos Verdes Peninsula to show high school students and their parents what the various geosciences are about, inform them about career prospects, and provide advising information.
- 03/08 – Geoscience research, field work, and jobs. Part of a large team of geographers and geologists who made a presentation to Lakewood High School to inform parents about the Geoscience Diversity Enhancement Project at CSULB.
- 09/07 -- Boldly Going Where No Geographer Has Gone Before: The Martian Classroom. Los Angeles Geographical Society.
- 08/07 – Geography and geology field trip to Palos Verdes Peninsula for the Louis Stokes Alliance for Minority Participation (LSAMP) to support underrepresented students the summer before they come to CSULB as they learn precalculus and see applications of math in the field.
- 07/05 – Geography and geology field trip to Palos Verdes Peninsula for the Louis Stokes Alliance for Minority Participation (LSAMP) to support underrepresented students the summer before they come to CSULB as they learn precalculus and see applications of math in the field.
- 09/03 -- Mapping Charmlee Park, Summer 2003. With Christopher T. Lee and Brian Simms. City of Malibu public talk, Malibu Bluffs Park.
- 11/02 -- Careers in Geography and the Geoscience Diversity Enhancement Project at CSULB, a Geography Awareness Week presentation to Irene Naesse's World Regional Geography course at Orange Coast College.
- 11/02 -- The Geoscience Diversity Enhancement Project at CSULB. With Crisanne Hazen, to Erik Bender's Introductory Geology course at Orange Coast College.
- 11/01 -- The Five Themes of Geography. With Dr. Terence Young, to Jamie Vallianos-Healy's fourth grade class at Tincher Preparatory School, Long Beach.

Presentations to the CSULB Campus:

- 11/13 – The Geography of Mars, Geography Awareness Week/GIS Day/Red Planet Day event, Department of Geography.
- 11/13 – The Modifiable Areal Unit Problem, guest lecture and lab for the M.S. GIScience program
- 11/11 – Involvement of Students in Research on Environmental Science and Policy Projects, one of four co-presenters (with Paul Laris of Geography and Christine Whitcraft and Eric Zahn of Biological Sciences), first-ever joint College of Liberal Arts and College of Natural Sciences and Mathematics Emeritus Luncheon. The CLA Emeritus Luncheon is an annual forum for a keynote address on research by current faculty to emeritus faculty. Paul Laris and I focussed on upland California sage scrub projects, while Christine Whitcraft and Eric Zahn focussed on coastal wetlands projects.
- 11/07 -- Boldly Going Where No Geographer Has Gone Before: Taking Mars into the Geography Classroom, Department of Geography Brown Bag Colloquium (the first talk in this new series)
- 11/07 -- Mid-Career G-DEP: Institutional Obstacles, Culture and Publicity, Grant Writing Teams, and FAD Report Writing, the Chairs Leadership Forum at the invitation of Provost Karen Gould.
- 07/04 -- Using Spreadsheets for Data Analysis and Visualization. CSULB Geoscience Diversity Enhancement Project Colloquium.
- 07/04 -- G-DEP: A Common Structure for Scientific Papers. CSULB Geoscience Diversity Enhancement Project Colloquium, for South Coast Wilderness project participants, with Chris Lee.

- 07/04 -- G-DEP: Introduction to Ethical Considerations in Research. With Rick Behl. CSULB Geoscience Diversity Enhancement Project Colloquium
- 07/04 -- G-DEP: Jobs in the Geosciences. With Greg Holk and Sachiko Sakai. CSULB Geoscience Diversity Enhancement Project Colloquium.
- 07/03 -- G-DEP: Introduction to HTML and FTP. CSULB Geoscience Diversity Enhancement Project Colloquium.
- 07/03 -- G-DEP: Introduction to Ethical Considerations in Research. With Rick Behl. CSULB Geoscience Diversity Enhancement Project Colloquium.
- 07/02 -- Jobs in the Geosciences. With Dan Francis. CSULB Geoscience Diversity Enhancement Project Colloquium.
- 07/02 -- G-DEP: Introduction to HTML and FTP. CSULB Geoscience Diversity Enhancement Project Colloquium.
- 07/02 -- G-DEP: Introduction to Ethical Considerations in Research. With Elizabeth Ambos and Roger Bauer. CSULB Geoscience Diversity Enhancement Project Colloquium.
- 03/02 -- Introduction to HTML and FTP. Department of Geography faculty and graduate students.

Media:

- 15 November 2013 – I had been interviewed by Richard Manly for his article, "The 'Red Planet' Comes Alive," for the lead article in *Inside CSULB* for Red Planet Day (28 November).
- 08 September 2012 -- I was interviewed by Angela Ratzlaff about the death of Dr. Gary Peters, Professor of Geography at CSULB 1971-1999, Chair of Geography, and Associate Dean of CLA, for an article that appeared in the campus *Daily 49er*, Tuesday, 11 September 2012, p. 3.
- 15 December 2010 – I had been interviewed by Richard Manly for his article "Rodrigue Brings Mars Sabbatical Back to Her Classroom Work," lead article, *Inside CSULB*
- 09 December 2005 -- I was interviewed by a BBC film crew doing a series on hazards in California about faulty hazard perception. Broadcast in the "Into the Pacific Rim of Fire" show, Summer 2006. Rebroadcast in the "Hot Rocks" show, Summer 2007.
- 13 September 2005 -- A letter to the editor on "Katrina and the rôle of the government" was published in the *New York Times*.
- 03 June 2005 -- A letter to the editor on the implications of a Supreme Court decision about guilt and the intent to commit crime, "Pleading ignorance," was published in the *Los Angeles Times*, in the Home Edition, "California Metro" section, Part B, Editorial Pages Desk, p. B.12.
- 11 December 2003 -- My interview by President Maxson about fire hazard in Southern California for the Beach View talk show was broadcast on Long Beach Channel 3.
- 23 November 2003 -- An article by David Reyes about the Southern California Conference on Undergraduate Research described a project by Leslie Edwards, Andrew Huston, Doreen Jeffrey, and Leeta Latham on the 1991 Oakland firestorm under my supervision and that of Judith A. Tyner and Steven Stewart (CSU Chico). Leslie Edwards, Doreen Jeffrey, Leeta Latham, and I were interviewed in the article. Rabbit Diets Were Just for Starters: More than 500 undergrads from 90 schools show research projects at UC Irvine, *Los Angeles Times*, California Section.

- 31 July 2003 -- An article by Anne Sobel describing the GDEP Mapping Charmlee Park project I led with Christopher Lee appeared in *the Malibu Surfside News*, Project Makes Unknown Areas More 'Accessible' Geosciences Expand Understanding of Charmlee.
- 28 July 2003 -- An article about GDEP, with a large section on the Mapping Charmlee Park project, appeared in *This Week @ the Beach*, CSULB Geosciences Grant Project Gives Students Field Experiences. It also appeared in the California State University System newsletter, *Newsline*. The article is available at: <<http://karl.papubs.csulb.edu/news-events/story.cfm?hackid=102>>.
- 09 February 2001 -- A letter to the editor on my objections to the secession of the San Fernando Valley from the City of Los Angeles in light of the energy crisis in California was published by the *Daily News*.
- January 2001 -- My research on media performance during natural disasters was profiled on the front page of in the campus publication, *Inside CSULB*. The reference is: Manly, Richard. 2001. Some media coverage a disaster. *Inside CSULB* 53, 1: 1.
- 06 July 2000 -- A letter to the editor, entitled, East L.A.'s Picasso: Out of this World, correcting a factual error about the Cassini mission, was published in the *Los Angeles New Times*.

University Level Service at California State University, Long Beach:

- 2011-2013 – Director, Environmental Science and Policy Program ES&P is housed in the College of Liberal Arts and the College of Natural Science and Mathematics, answering to both deans. The program depends on several other departments for its course offerings, with only three of its own ES&P classes to generate Full-time Equivalent Student enrollments, normally the basis of departmental and program funding. Running, thus, on a shoestring, with a wide range of stakeholders, the program's enrollment exploded from 2011-2013 (from 148 in S/11 before my term started to 235 in F/13 when I stepped down). ES&P students are disproportionately super-seniors (graduating with over 40 units more than normally needed for a bachelor's degree), often declaring the major only after having completed 90-120 units in another major! My goal in running the program was to expand funding for advising (and a slight increase was eventually allocated) and to streamline curriculum to enable students to graduate in a timely manner, and a major revision was completed.
- 05/12 -- Attended Green Thread workshop on incorporating sustainability into environment-related courses, in my case GEOG 458/558 (Hazards and Risk Management)
- 2007-08 – Internal reviewer for the German program in the Department of Romance, Germanic, and Russian Languages at Literatures, College of Liberal Arts, CSULB.
- 2005-2006 -- Service on the review committee for Dr. Elizabeth L. Ambos, Associate Vice-President for Research and External Support.
- 2006-07 and 2011-present -- Service on the Chairs' Advisory Committee to the Provost.
- 09/01-present -- Service as webmaster for the Geoscience Diversity Enhancement Project web page, which explains the purposes of this NSF-funded project, presents the various research projects supported by G-DEP, provides contact among the CSULB, community college, and high school faculty collaborators, provides access to G-DEP web resources, and informs faculty and student participants of news and special events associated with the program. <<http://www.csulb.edu/geography/gdep/>>.
- 04/02, 04/03, and 04/07 -- Served as event captain for the Science Olympiad 2002, 2003, and 2007. The California State Competition event for the first two years was Weather or Not, and it entailed designing a challenging one hour lab on the meteorology of storms for two sections of seventh through ninth graders in California middle schools. The third year event was Remote Sensing: Mars, for which I created labs entailing, among other things, the construction of elevation

profiles from Mars Orbiter Laser Altimeter derived maps. I created another lab that required student competitors to interpret a landscape in Ganges Chasma, reasoning out the ages of surfaces and a plausible geological history. Students also had to calculate solar irradiance at Mars by applying the Inverse Square Law to Earth's solar constant, the width of Hellas Planitia from latitudes and longitudes, and Mars orbital eccentricity and its effect on seasonality there.

- o 04/00 -- Attended Second Annual Retreat, Assessment: What? How? Why? CSULB.

College of Liberal Arts Level Service at California State University, Long Beach:

- o 2012-2013 -- Outside member, RTP Committee, Department of Journalism and Mass Communication (Chris Burnett, promotion).
- o 2011-2012 -- Member of the CLA Restructuring Committee, which was to explore co-location of departments and alternative structures with an eye to budget savings in the extremely straitened fiscal situation of post-2008 California.
- o 2005-2006 -- Member, Search Committee, Co-Director of Yadunandan India Studies Center and joint appointment with department most closely connected with successful candidate's Ph.D. (Bipasha Baruah, Geography)
- o 2003-2005 -- Member, College of Liberal Arts Facilities Budget Committee.
- o 2001-2003 -- Member, College of Liberal Arts Facilities Planning Committee.
- o 2003-2004 -- Outside member, RTP Committee, Department of Anthropology (Jayne Howell, tenure and promotion)
- o 2003-2004 -- Member, Search Committee, Interim Associate Dean, Educational Policies and Personnel (Sharon Downey, to replace Frank Fata)
- o 1999-2002 -- Member, College of Liberal Arts Student Travel Committee, which entailed reading student proposals to secure travel monies for their participation in professional conferences.

Departmental Service at California State University, Long Beach:

- o 08/01-08/07 -- Department Chair. I worked to raise the visibility of my colleagues' many professional accomplishments, the prominence of the department and discipline regionally and nationally, the desirability of our graduate program at a state and national level, and the attractiveness of the CSULB Geography Department to community college students throughout Southern California, as well as secure resources to ease faculty workload and support students in our program. Some avenues I pursued included proposing a joint doctoral program in geospatial education with UCLA, which Geography there enthusiastically endorsed; creating a supportive environment for grant and contract writing; encouraging collaborations across departments on this campus and ties with UCLA, UCSB, UCR, and JPL; and promoting everything on the web, listservers, internal campus publications, and the *Newsletter* of the Association of American Geographers. Some measures of the Department's health during my tenure as chair include:

Number of majors			
▪ Undergraduate majors, S/01: 50	▪ Graduate students, S/01: 46		
▪ Undergraduate majors, S/07: 127	▪ Graduate students, S/07: 42		
Full-Time Equivalent Students			
▪ FTES in F/00: 301.06	▪ FTES in S/01: 327.73	▪ Sum 00/01: 628.79	
▪ FTES in F/06: 353.38	▪ FTES in S/07: 307.63	▪ Sum 06/07: 661.01	
Diversity of majors			
▪ Percentage of non-Hispanic white Geography majors in S/01: 54%			
▪ Percentage of non-Hispanic white Geography majors in S/07: 44%			
Numbers of tenured and probationary faculty			
▪ S/01: 9.5 (7 full professors, 2.5 assistant)			
▪ F/07: 12 (3 full, 4 associate, 5 assistant)			
Numbers of adjunct lecturer faculty			
▪ S/01: 6	▪ Master's: 4	▪ ABD: 1	▪ Doctorate: 1
▪ F/07: 12	▪ Master's: 4	▪ ABD: 4	▪ Doctorate: 4
Tenured and probationary faculty productivity			
▪ Peer reviewed publications: 68	▪ Books and manuals: 6		
▪ Grant applications: 25 (>\$15 million)	▪ Funded grants: 16 (>\$2.9 million)		
▪ Book reviews: 21	▪ Conference presentations: 140.5		
▪ Invited presentations: 25.5	▪ Media appearances: 22		
Lecturer faculty productivity			
▪ Peer reviewed publications: 15	▪ Books and manuals: 1		
▪ Lecturers starting Ph.D. programs: 2	▪ Funded grants: 1 (\$22,500)		
▪ Book reviews: 2	▪ Conference presentations: 35.5		
▪ Invited presentations: 3.5	▪ Media appearances: 4		
Student accomplishments			
▪ Refereed publications: 4	▪ Theses completed: 27		
▪ Int'l/national presentations: 31	▪ CSULB Outstanding Thesis: 1		
▪ Regional presentations: 39	▪ CLA Outstanding Theses: 2		
▪ Student conference awards: 7	▪ AAG Jacques May Thesis Award: 1		
▪ Ph.D. program admissions: 5	▪ Admissions to other master's: 6		

- 09/00 - present -- Member of the RTP Committee in the cases of Drs. James Curtis, Suzanne Dallman, and author of chair's reviews in the cases of Drs Vincent Del Casino, Christine Jocoy, Paul Laris, Dmitrii Sidorov, and Suzanne Wechsler.
- 08/01 - present -- Member (and, as Chair, director) of the departmental External Relations Committee, which organizes Geography Awareness Week/GIS Day activities, collaborates with Geological Sciences to put on events for Earth Sciences Week, and coordinates with the Office of International Education to provide events for International Education Week. Geography Awareness Week/GIS Day has become a major outreach event for the Department and community-building venue, with between two and three major speakers each year (for the keynote address, "Jobs in Geography," and GIS Day), a community college Geography Luncheon, one or more Geography Student Association events and fundraisers, and the Geography Photo Contest open to all and often won by community college entries.
- 09/00-present -- Member of the Search Committee for tenure-track positions in environmental geography/cultural ecology/landscape ecology (Paul Laris), climatology/palaeoclimatology (David Porincho and then Camille Holmgren), GIS (Suzanne Wechsler), remote sensing and GIS (Christopher Lee), three-year lectureship in technical geography (James Woods), a three semester

leave-replacement lectureship in physical geography (Noel Ludwig), a three semester leave-replacement lectureship in remote sensing and directorship for the Southern California Wildfire Hazards Center (search cancelled due to a NASA decision).

- 10/99-10/09 -- Department webmaster. I moved the Department's site higher in the campus directory and arranged for a redirect so that the very simple URL of <http://www.csulb.edu/geography/> will get a visitor to our site. I redesigned it substantially and revised it constantly with news of faculty and student accomplishments and events and made it a well-organized one-stop gateway to campus resources that faculty and staff need constantly.
- 09/01-08/03 and 09/07-08/11 -- Graduate Advisor. I promoted the Department's M.A. program through the web and through a number of geography-related listservers, helping create a large graduate to undergraduate ratio in our Department and an unusually high percentage of successful out-of-State and non-CSULB applicants to our program.
- 01/00-present -- Member of the Post-Tenure Review Committee in the cases of Drs. Frank Gossette, Richard Outwater, Judith Tyner, Molly Debysingh, Christopher Lee, and James Curtis.
- 09/01-2007 -- As chair, I coordinated periodic evaluation activities for part-time lecturers, providing formative as well as summative assessment of their teaching performance, including classroom visits.
- 08/00-08/01 -- Chair, *ad hoc* Assessment Committee. We developed a holistic approach to assessing the effectiveness of our curriculum and the progress of our students as they move through the program. I received one course release time and \$1,500 for graduate assistance to develop our assessment plan in consultation with the department faculty. This plan was cited during WASC accreditation as a model example of assessment activities on campus. It has helped in the restructuring of the undergraduate curriculum, which was submitted in November 2003.
- 08/00-12/00 -- Wrote the general education proposal for renewing Geography 140's current GE status (G.B3). This was particularly challenging, as I had been a member of the Department less than a week. The College review committee commended my work as having the best formulated measurable objectives. The course was granted a renewal of its B3 status, as a GE course building on quantitative foundation skills.
- 10/99- present -- Scheduling, first as a member of the Scheduling Committee and then later on my own after I implemented use of Excel to build the schedule, together with formal surveys of faculty as to their teaching preferences and general scheduling preferences. This assures students of needed courses in a cycle that makes timely graduation possible, reduces the cannibalization of one course's enrollments by another, and optimizes faculty contentment with their schedules and time for research and service.