

CURRICULUM VITAE

NAME

Jason S. Sibold

ADDRESS

Department of Anthropology
1787 Campus Delivery
Colorado State University

PHONE

(970) 491-4801

EDUCATION

- | | |
|------|---|
| 2005 | PhD., Department of Geography, University of Colorado, Boulder. |
| 2001 | M.A., Department of Geography, University of Colorado, Boulder. |
| 1998 | B.A., Department of Geography, University of Colorado, Boulder. |

ACADEMIC POSITIONS

(2008-present) Assistant Professor, Geography, Colorado State University

OTHER POSITIONS

(2007-08) Postdoctoral Scholar, Department of Geography, University of Nevada, Reno
(2005-06) Fulbright Fellow and Visiting Professor, Department of Forest Sciences,
Universidad Austral de Chile, Valdivia, Chile

CURRENT JOB DESCRIPTION

50 % Teaching 35 % Research/Creative Activity 15 % Service/Outreach _____ % Admin

HONORS AND AWARDS

- | | |
|---------|---|
| 2010 | Excellence in Teaching Award (Untenured, Tenure-Track category), College of Liberal Arts, Colorado State University |
| 2007 | World Wildlife Fund, Fuller Fellowship Finalist, Research Award, \$2,000 |
| 2005 | PhD level "Best Paper Presentation" award, Biogeography Specialty Group, Association of American Geographers |
| 2001 | University of Colorado Fellowship, Graduate School, \$650 |
| 1998 | Hill Scholarship, University of Colorado, \$1,200 |
| 1998 | Smith prize for Best Undergraduate Honors Thesis, Department of Geography, University of Colorado, Boulder, \$1,000 |
| 1998 | Summa cum laude honors, University of Colorado, Boulder |
| 1996-98 | Dean's List, University of Colorado, Boulder |

PUBLISHED WORKS

Refereed Journal Articles:

- Cheek, J.W., F. Biondi, **J.S. Sibold**, and R. Tausch. 2012. Fuel analysis and potential fire behavior in mixed conifer woodlands of the Great Basin, Nevada, USA. *Physical Geography* 33(3): 205–228.
- Glantz M., S. Temirbekov, **J. Sibold**, 2011. The Paleobiogeography of Central Asia: testing the validity of the Neandertal Range. *PaleoAnthropology* 2011:A13
- Beeton T., A. Trainer, M. Glantz, **J. Sibold**, 2011. GIS Modeling of Paleolithic Hominin Landscape Exploitation Strategies in Central Asia. *PaleoAnthropology* 2011:A2.
- Biondi, F., L.P. Jamieson, S. Strachan, **J. Sibold**, 2011. Dendroecological testing of the pyroclimatic hypothesis in the central Great Basin, Nevada, USA. *Ecosphere* 2:art5. [doi:10.1890/ES10-00068.1]
- González, M.E., T.T. Veblen, and **J.S. Sibold**,. 2010. Influence of fire severity on stand development of *Araucaria araucana* – *Nothofagus pumilio* stands in the Andean cordillera of south-central Chile, *Austral Ecology*, 35, 597-615.
- Dilts, T.E., **J.S. Sibold**, and F. Biondi. 2009. A weights-of-evidence model for mapping the probability of fire occurrence in Lincoln County, Nevada, *Annals of the Association of American Geographers*, 99, 1-16.
- Veblen, T.T., T. Kitzberger, E. Raffaele, M. Mermoz, M.E. González, **J.S. Sibold**, and A. Holz. 2008. The historical range of variability of fires in the Andean-Patagonian *Nothofagus* forest region, *International Journal of Wildland Fire*, 17, 724-741.
- Sibold, J.S.**, T.T. Veblen, K. Chipko, L. Lawson, E. Mathis, and J. Scott. 2007. Influences of secondary disturbances of lodgepole pine stand development in Rocky Mountain National Park, *Ecological Applications*, 17, 1638–1655.
- Sibold, J.S.**, and T.T. Veblen. 2006. Relationships of subalpine forest fires in the Colorado Front Range to interannual and multi-decadal scale climate variation. *Journal of Biogeography*, 33, 833-842.
- Schumacher, S., B. Reineking, **J.S. Sibold**, and H. Bugmann. 2006. Modeling the impact of climate and vegetation on fire regimes in mountain landscapes. *Landscape Ecology*, 21, 539-554.
- Sibold, J.S.**, T.T. Veblen, and M.E. González. 2006. Spatial and temporal variation in historic fire regimes in subalpine forests across the Colorado Front Range. *Journal of Biogeography*, 33, 631-647.
- Schoennagel, T., T.T. Veblen, W.H. Romme, **J.S. Sibold**, and E.R. Cook. 2005. Annual (ENSO) and decadal (PDO) climate teleconnections affecting drought-induced fire occurrence in Rocky Mountain subalpine forests. *Ecological Applications* 15:2000-2014.
- González, M.E., T.T. Veblen, and **J.S. Sibold**. 2005. Fire history of *Araucaria-Nothofagus* forests in Villarica National Park, Chile. *Journal of Biogeography* 32, 1187-1202.
- Donnegan, J.A., T.T. Veblen and **J.S. Sibold**. 2001. Climatic and human influences on fire history in Pike National Forest, central Colorado, *Can. J. of Forest Research* 31, 1526-1539.
- Sherriff, R.L., T.T. Veblen, and **J.S. Sibold**. 2001. Fire history in high elevation subalpine forests in the Colorado Front Range. *Ecoscience* 8, 369-380.

Manuscripts Accepted for Publication (in press)

- Urza, A., and **J.S. Sibold**. *Accepted/In Press*. Assessing a non-destructive aging method for seedlings of four conifer species in northwestern Glacier National Park, Montana. *Western Journal of Applied Forestry*.

Manuscripts under Review and Detailed Report of Progress on Manuscripts

- Kilpatrick, M., F. Biondi, S. Strachan, and **J.S. Sibold**. *In Review*. Fire history of a mixed conifer ecosystem in the south-eastern Great Basin, USA.
- Sibold, J.S.**, M.E. Gonzalez, A. Mensing, A.K. Urza, and J.S. Briggs. *In Review*. Rapid forest change stresses importance of restoration and adaptive management, Rocky Mountain National Park, CO
- Urza, A.K., **J.S. Sibold**, and M.E. Rocca. Niche differentiation during canopy recruitment promotes coexistence between shade intolerant conifer species.

Sibold, J.S., D.K. Scott, C. Perovich, R. Wu, and C. Miller. Spruce-fir forest disturbance regime of the San Juan Mountains, CO: evidence of a climate-spruce beetle driven shift in the disturbance regime.

Non-Refereed Journal Articles/Chapters/Proceedings/Transactions:

Sibold, J.S. 2007. The role of Pacific and Atlantic sea surface temperature on the occurrence of severe drought and wildfire in Rocky Mountain National Park, Rocky Mountain Nature Association, Estes Park CO.

Sibold, J.S. 2006. Subalpine forest fire history of southern Rocky Mountain National Park; Implications for forest ecosystem management, Rocky Mountain Nature Association Newsletter, Estes Park, CO.

CONTRACTS & GRANTS

Externally-Funded Projects as PI

(2012) *Forest Fuel Model: Rocky Mountain National Park*, National Park Service, US Department of Interior, \$10,000. (PI)

(2012) *Trend Analysis of Global Change Impacts on Rocky Mountain National Park*, Rocky Mountain National Park, US Department of Interior, \$20,000 (PI)

(2012) Response to the High Park Fire, Larimer County, Colorado, National Science Foundation RAPID Program, Biological Sciences \$200,000 (PI: M. Lefsky)

(2011) *Fire History of Great Sand Dunes National Park and Preserve*, Research Reserve Fund, National Park Service, US Department of Interior, \$91,500. (PI)

(2011) *Historic Range of Variability of Wildfire and Spruce Beetle Outbreaks, San Juan Mountains, Colorado*. US Forest Service Aldo Leopold Wilderness Research Institute, \$25,000. (PI)

(2010) *Landscape Modeling and Inventory of Archaeological Resources on the Arapaho and Roosevelt National Forest and Pawnee Grassland*, USDA Forest Service, \$48,535. (PI)

(2010) *Regeneration status and dynamics of rare ponderosa pine (Pinus ponderosa) stands in western Rocky Mountain National Park*, Cooperative Ecosystems Studies Unit, DOI National Park Service, \$20,000. (PI)

(2010) *Mountain pine beetle altered forest fuel influences on wildfire in Glacier National Park*, Research Reserve Fund, National Park Service, US Department of Interior, \$40,000. (PI)

(2010) Regeneration Status and Dynamics of a Rare Ponderosa Pine (Pinus ponderosa) Stand in Western Rocky Mountain National Park, \$3,000. (PI)

(2010) *Pre-settlement fire patterns: Records of natural fire or anthropogenic fire use?* Joint Fire Science Program, US Department of Agriculture, \$120,327. (PI)

(2009) *Investigation into the Relationships between Disturbance History and Mountain Pine Beetle Outbreak Severity and Consequences in the Lodgepole Pine Forests, Rocky Mountain National Park*, Cooperative Ecosystems Studies Unit, DOI National Park Service, \$14,000. (PI)

(2006) *Mountain Pine Beetle outbreak reconstruction, Rocky Mountain National Park, CO, USA*, Swiss Federal Institute of Technology, Zurich, Switzerland, Research Award, \$5,600. (PI)

(2005) *Fire history of Fitzroya cupressoides forests in the Coastal Range, Chile*, Fulbright Fellowship, Chile

(2003) *A multiscale analysis of natural and human influences on the variability of subalpine forest fire history in Rocky Mountain National Park, Colorado*, National Science Foundation Dissertation Improvement Award, \$12,000.

(2003) *The role of research experience in the development of underrepresented groups in science*, National Science Foundation Course Development Grant for the Advancement of Women in Science, LEAP Program, University of Colorado, Boulder, \$7,000.

(2003) *The influence of secondary disturbances on stand development in the lodgepole pine forest type, Colorado*, Edna Bailey Sussman Fund, Environment Research Award, \$4,000.

- (2003) *Integrating undergraduate students in field-based forest ecology research*, Undergraduate Research Experience Program, University of Colorado, Boulder, \$4,000.
- (1997) *Limber pine (Pinus flexilis) climate reconstruction in the southern Front Range of Colorado*, National Science Foundation, REU award, \$5,000.
- (1996) *Limber pine (Pinus flexilis) climate reconstruction in the southern Front Range of Colorado*, Undergraduate Research Experience Grant, University of Colorado, Boulder, \$750.

Pending Externally-Funded Projects as PI

- Using recent wildfires to identify the role of fire in tree species migration in the context of climate change*, Department of Interior, \$14,000.
- Fire History of Grand Teton National Park*, National Park Service, \$18,830.

Externally-Funded Pending Projects as CoPI

None

Unfunded Proposals

- (2011) *The Turtle vs. the Tortoise: Top-down and bottom-up controls of mountain pine beetle outbreaks in Rocky Mountain National Park*, (co-investigator Carlyn Perovich, graduate student), Department of Interior, \$10,000.
- (2010) *The Influence of Climate-induced Shifts in Fire Frequency on Post-fire Forest Reestablishment in Western Montana*, Joint Fire Science Program, \$22,000.
- (2010) *Using Models and Remote Sensing to Define Climate-Disturbance Interactions in the Rocky Mountains: Consequences for Habitats and Wildlife*, NASA ROSES Program, \$1,923,000. (CO-PI)
- (2010) *Assessing the 2010 Medano Creek Fire in the Context of Fire History*, Cooperative Ecosystems Studies Unit, DOI National Park Service, \$10,000.
- (2009) *Fire Regimes and Fire-Climate Relationships of Forest Ecosystems in Glacier National Park: Assessing the Ecological Consequences of Fire Suppression and Climate Change*, Cooperative Ecosystems Studies Unit, DOI National Park Service, \$36,000. (PI)
- (2009) *Forest assessment after large-scale disturbance by Mountain Pine Beetles: understanding a novel, post-disturbance environment*, US Geologic Survey. \$75,000 (CO-PI; my portion: \$11,000)
- (2009) *Landscape-scale habitat changes under future climate and disturbance regimes in the Rocky Mountain region: consequences for wildlife in national parks*, US Geologic Survey. (CO-PI)

Internally-Funded Awards

- (2011-12) *San Juan National Forest Land-use History*. PDP, College of Liberal Arts, \$2000.
- (2010-11) *Interaction of Climate Change and Forest Ecosystem Management, Rocky Mountain National Park*. PDP, College of Liberal Arts, \$1500.
- (2009-10) *Presentation at the Annual meeting of the Association of American Geographers*, Professional Development Program, College of Liberal Arts, Colorado State University, \$1,134
- (2008-09) *Alerce (Fitzroya cupressoides) forest fire history, south-central Chile*, Professional Development Program, College of Liberal Arts, Colorado State University, \$1,500

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

- 2012, *Climate Change Implications for forest change in western Rocky Mountain National Park*, Feb. 2012, Presentation to the ecosystem management and interpretation staff of Rocky Mountain N.P., Estes Park, CO
- 2012, *Rapid Forest Change Stresses Importance of Adaptive Management: A Case Study of Ponderosa Pine in Western Rocky Mountain National Park, CO*, March 28, 2012, Estes Park, CO
- 2012, *Pre-settlement Fire History: Records of Natural Fire or Anthropogenic Fire Use?* Anthropology

- Department annual connections talk, Spring 2012. Fort Collins, CO
- 2012, *Using recent disturbance events to understand climate change implications for Rocky Mountain subalpine forests*, Invited presentation to the National Park Service National Climate Change office and Inventory and Monitoring office, Nov. 16. Fort Collins, CO
- 2011, Alexandra Urza (Graduate Student) and Jason Sibold. *Niche differentiation during canopy recruitment promotes coexistence between shade intolerant conifer species*. Association of American Geographers Great Plains/Rocky Mountain Division Annual Meeting (October)
- 2011, Tim Assal (Graduate Student) and Jason Sibold. *Utilizing Historical Data to Detect Past Ecosystem Disturbance in Glacier National Park*, Association of American Geographers Great Plains/Rocky Mountain Division Annual Meeting (October)
- 2011, *Mountain Pine Beetle Impacts on Ponderosa Pine: A Climate Change-Ecosystem Management Interactions Case Study*, Association of American Geographers Annual Meeting, Seattle, WA, April.
- 2011, *The flameless fire of pine beetles? The ecological consequences of the mountain pine beetle outbreak for forest landscapes in Rocky Mountain National Park*, Rocky Mountain National Park Lyceum Series, Estes Park, CO, Feb. 19.
- 2011, *Disturbance Type, Disturbance Interactions, and the Regeneration Niche: Implications of climate change for future forests of the Rocky Mountains*, Presentation to the management and education staff of Rocky Mountain National Park, Estes Park, CO, Feb. 16.
- 2011, *Forest Ecosystem Management in a Warming World: A case study of rare ponderosa pine stands in western Rocky Mountain National Park*, Presentation to RMNP Managers, Estes Park, CO, Jan. 20.
- 2010, *Are the trees falling? How pine beetle and wildfire shape Rocky Mountain forests*, State of the Rockies Project Speaker Series, Colorado College, Colorado Springs, CO, Sept. 13.
- 2010, *The flameless fire of pine beetles? The ecological consequences of the mountain pine beetle outbreak for forest landscapes in Rocky Mountain National Park*, Rocky Mountain National Park Saturday Night in the Park Lecture Series, Grand Lake, CO, Sep. 4.
- 2010, *Fire history of the Alerce (*Fitroya cupressoides*) forest type, south-central Chile*, Association of American Geographers Annual Meeting, Washington, D.C., April 15.
- 2010, *Rediscovering Sauer: Cultural learnings of a biogeographer*, Geography Symposium Series, Department of Geography, University of Colorado, Boulder, CO, April 2.
- 2010, *Disturbance and management history influences on MPB outbreak severity and post-outbreak stand development, Rocky Mountain National Park*, Estes Park, CO, March 30.
- 2009, *Disturbance and management history influences on MPB outbreak severity and post-outbreak stand development, Rocky Mountain National Park*, Mountain Pine Beetle Science Symposium, December, Colorado State University, Fort Collins, CO, Dec. 11.
- 2008, *The role of ignitions in the occurrence of wildfire in forest ecosystems of the Great Basin*, Association of American Geographers Annual Meeting, Boston, MA.
- 2008, *Separating rabbit hunts from lightning strikes: using spatial pattern to identify human and natural influences on fire*, Department of Anthropology, Colorado State University, Fort Collins, CO.
- 2007, *Spatial modeling of fire occurrence in piñon-juniper ecosystems of the southern Great Basin*, Bureau of Land Management Field Office, Ely, NV.
- 2007, *Fire dynamics in Rocky Mountain National Park, implications for ecosystem management*, School of Forestry, University of Northern Arizona, Flagstaff, AZ.
- 2007, *Influences of surface fire, mountain pine beetle, and blowdown on lodgepole pine stand development in the northern Colorado Front Range*, Association of American Geographers Annual Meeting, San Francisco, CA.
- 2007, *Forest ecology, management and conservation in the American West*, Presentation to the Universidad Austral de Chile, Valdivia, Chile.
- 2007, *Impacts of climate change and human land use on fire regimes in the Valdivian Temperate Rainforests of southern Chile*, World Wildlife Fund Headquarters, Washington, D.C.
- 2007, *Spatial and temporal variations in fire history in subalpine forests of Rocky Mountain National Park, Colorado*, Geography Colloquium Series, University of Nevada, Reno.

- 2006, *Fire history of Alerce forests in south-central Chile: implications for conservation*, Fulbright Southern Cone Conference, São Paulo, Brazil.
- 2006, *Fire-climate relationships and their implications for forest conservation: lessons from the Colorado Front Range*, Climate Change: Organizing the Science for the American Cordillera (CONCORD), Mendoza, Argentina.
- 2006, *Influencia del hombre y la variación climática en incendios en bosques de Alerce (Fitzroya cupressoides) y Araucaria (Araucaria araucana) en el sur de Chile*, Centro de Educación Integrada de Adultos, Coyhaique, Chile.
- 2005, *Not so fast my friends: The scientific basis for the Healthy Forest Initiative?*, Scripps Howard Institute on the Environment, Boulder, CO.
- 2005, *Relationship of subalpine forest fires in the Colorado Front Range to interannual and multi-decadal scale climatic variation*, Fire History and Climate Synthesis in Western North America, Flagstaff, AZ.
- 2005, *Influences of Pacific (ENSO and PDO) and Atlantic (AMO) Ocean climate drivers on subalpine zone fire occurrence in the Colorado Front Range*, Association of American Geographers Annual Meeting, Denver, CO.
- 2005, *Subalpine zone fire ecology of the Northern Colorado Front Range*, Fire and Forest Management in the Colorado Front Range field trip at the Association of American Geographers Annual Meeting, Denver, CO.
- 2005, *Spatiotemporal dynamics of subalpine zone fire regimes in the Southern Rockies* (Invited talk), Fort Lewis College Colloquium Series, Durango, CO.
- 2005, *Subalpine forest fire ecology*, Rocky Mountain National Park Resource Management Conference, Estes Park, CO.
- 2004, *Pacific and Atlantic Ocean climate drivers of annual and multidecadal patterns of subalpine zone fire occurrence in the Colorado Front Range*, Meeting of the Directors of the Multiproxy Fire History Database, Boulder, CO.
- 2004, *Are lodgepole pine forests in need of restoration?*, The Colorado Forest Restoration Workshop, Glenwood Springs, CO.
- 2004, *Multiscale influences on fire regimes in subalpine forests in Rocky Mountain National Park, Colorado*, Association of American Geographers Annual Meeting, Philadelphia, PA.
- 2004, *Stand-scale influences of fire, insect outbreaks, and wind blowdowns on lodgepole pine stand structure and the implications for forest management and restoration*, Rocky Mountain National Park Research Symposium, Estes Park, CO.
- 2003, *Subalpine zone fire history mapping, Rocky Mountain National Park*, Rocky Mountain National Park Research Symposium, Estes Park, CO.
- 2001, *Disturbance history influences on subalpine forest stand structure characteristics*, National Park Service Fuels Mapping Management Conference, Rocky Mountain National Park, Estes Park, CO.
- 2000, *Disturbance history implications for forest management in Rocky Mountain National Park*, Presentation to the Fire and Scientific Staff of Rocky Mountain National Park, Estes Park, CO.

CV SECTION 3: EVIDENCE OF TEACHING AND ADVISING EFFECTIVENESS

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2012	Spring	GR480: Mountain Geography	3	16
2012	Spring	Research course buyout GR100		
2012	Fall	Research course buyout GR320		
2012	Fall	GR410: Climate Change: Sc., Poly., Impl.	3	20
2011	Fall	GR580: Forest Ecol&Man Warming World	3	6

2011	Fall	GR410: Climate Change: Sc., Poly., Impl.	3	14
2011	Spring	GR100-Intro to Geography	3	155
2011	Spring	Research course buyout		
2011	Fall	ECOL695-Indep. Study	1	3
2010	Fall	GR420-Spatial An. With GIS	4	28
2010	Fall	GR420-Spatial An. With GIS Lab	1	28
2010	Fall	Research course buyout		
2010	Spring	GR100-Intro to Geography	3	148
2010	Spring	GR100-Intro to Geography	3	89
2009	Fall	GR320 – Cultural Geography	3	38
2009	Fall	GR480 –Intro to GIScience	3	13
2009	Fall	GR480 –Intro to GIScience Lab	1	13
2009	Fall	ECOL695-Indep. Study	2	1
2009	Summer	GR100 – Intro to Geography	3	24
2009	Spring	GR100 – Intro to Geography	3	151
2008	Fall	GR320 – Cultural Geography	3	40
2008	Fall	GR480 –Intro to GIScience	3	14
2008	Fall	GR480 –Intro to GIScience Lab	1	14

ADVISING:

STUDENT ADVISING/GRADUATE SUPERVISION

GRADUATE STUDENTS:

Current Graduate Advisees:

Tim Assal, PhD, Graduate Degree Program in Ecology
 Carlyn Perovich, MS, Graduate Degree Program in Ecology
 David Scott, MS, Graduate Degree Program in Ecology
 Jean Fleming, MS, Graduate Degree Program in Ecology
 Lucy Burris, Graduate Degree Program in Ecology
 Scott Esser, Graduate Degree Program in Ecology
 Kerri Minatre, Graduate Degree Program in Ecology

Graduate Advisees Graduated:

Alexandra Urza, MS, Graduate Degree Program in Ecology, Spring, 2012

Current Graduate Committee Memberships (excluding those chaired):

_____ # Plan C
 _____ # Plan B
 4 # MS/MA
 8 # PhD

Spencer Pelton (MA), Department of Anthropology
 Robert Morrison (MA), History
 Sarah Bisbing (PhD), Graduate Degree Program in Ecology
 Colter Skinner (PhD), Political Science
 Emily Thron (PhD), Sociology
 Tyler Beeton (MA), Anthropology
 Erica Goad (MS) Graduate Degree Program in Ecology
 Steven Hasstedt (PhD), Graduate Degree Program in Ecology

Katie Renwick (PhD), Graduate Degree Program in Ecology
Daniel West (PhD), Bioagricultural Science and Pest Management
Justin Ziegler (MS), Forest & Range Stewardship
David Gwenzi (PhD), Department of Ecosystem Science and Sustainability
Niah Venable (PhD), Department of Geosciences

Graduate Committee Memberships (for past 5 years, not including those above)

_____ # Plan C
1 _____ # Plan B
11 _____ # MS/MA
_____ # PhD

Leia Jamison (MS), 2008, Department of Geography, University of Nevada, Reno
Mackenzie Kilpatrick (MS), 2009, Department of Geography, University of Nevada, Reno
John Cheek (MS), 2009, Department of Geography, University of Nevada, Reno
Matt Diskin (MS), 2010, Department of Forest, Range, & Watershed Stewardship, CSU
Annie Maggard (MA), 2011, Department of Anthropology
Abe Thompson (MA), 2011, Department of Anthropology
Aziza Bayou (MA), 2011, Department of Anthropology
Jim Bertolini (MA), 2011, History
Phil Graeve (MS), 2012, Department of Forest, Range, & Watershed Stewardship
Cara Moore (MS), 2012, Department of Forest, Range, & Watershed Stewardship
Graham Sexstone (MS), 2012, Watershed Science Program
Attia Alsanousi (MS), 2012, Forestry

CV SECTION 4: Evidence of Outreach/Service

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Memberships in professional societies:

Association of American Geographers
Ecological Society of America

Grant Refereeing

Natural Sciences and Engineering Research Council of Canada

Manuscript Refereeing:

Arctic, Antarctic, and Alpine Research
Canadian Journal of Forest Research
Ecology
Ecological Applications
Fire Ecology
Forest Ecology and Management
International Journal of Wildland Fire
Journal of Arid Environments
Journal of Ecology
Landscape and Urban Planning
Vegetation Science
University Press of Colorado

OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH

- Field trip leader for Jonathan Jarvis (Director of the National Park Service) and John Francis (Vice President of Research, Conservation and Exploration for the National Geographic Society) in Rocky Mountain National Park, focus on climate change implications for forest systems (August, 2012)
- Moderated a discussion titled “Passing the torch” between high school students from across the US and Costa Rica with Jonathan Jarvis (Director National Park Service) and John Francis (Vice President of Research, Conservation and Exploration for the National Geographic Society), August, 2012
- Field trip leader for National Park Service BioBlitz in Rocky Mountain National Park. Field day for high school students from Colorado and Costa Rica to learn about forest dynamics and change in context of climate change and biodiversity loss, August, 2012
- Panelist for SOGES Managing the Planet Series (Climate Change and Bark Beetles) Spring, 2012
- Geography Development, Department of Anthropology (Fall, 2011)
- Anthropology Department Review (Fall, 2011)
- Faculty Affiliate, Center for Disaster and Risk Analysis, Colorado State University
- Presentation Judge for Front Range Student Ecology Symposium, Fort Collins, CO, Feb. 23, 2011
- Anthropology Representative for the College of Liberal Arts University Curriculum Committee, 2010-11.
- Consulting with Rocky mountain National Park Ecosystem Management Team regarding recent climate change influences on ecosystem management options for forest ecosystems, 2010-11
- Vegetation working group facilitator, Border Crossing: Preparing for & Adapting to Climate Change Effects in Northern Colorado, Estes Park, CO Nov. 16-17, 2010
- Collaborated with research and resource staff at Rocky Mountain National Park and other scientists to develop a book focused on the Natural and Human history of Kawuneeche Valley of Rocky Mountain National Park to be completed in 2010-11
- Collaborated with Kathy Sherman and Jeff Snodgrass to develop graduate-level specializations for the graduate offerings of the Department of Anthropology 2010-11
- Member of the International Studies Advisory Board, CLA, 2010
- Collaborated with professors involved in the International Studies program to develop core concepts for the academic program that will be stresses and developed across the program curriculum, 2010
- Led a search for hiring Adjunct Professors to teach additional sections of GR100 and GR320 in summer 2010 and academic year 2010-2011
- Collaborated with Kathy Sherman and Steve Leisz to develop a concentration and minor in Geography
- Co-Organizer of a three-part symposium series on the current mountain pine beetle outbreak in the southern Rockies with Eric Gordon and Jeffery Lukas (The Western Water Assessment, Boulder, CO), 2009-10
- Symposium Organizer: *Mountain Pine Beetle Science Symposium: Key questions and current research in the southern Rockies*, Colorado State University, Fort Collins, CO, December 11, 2009 (Co-organizers: William Romme, Natural Resources Ecology Lab, and Monique Rocca, Warner College, CSU).
- Co-Instructor of Front Range Disturbance Ecology Seminar, a one-credit field-trip based seminar. I led a day-long field trip with 22 students to Rocky Mountain National Park, Fall, 2009
- Guest lecture: Native Americans and Fire; in Kathy Sherman’s ANTH 412, Indians of North America, Fall, 2009
- Guest lecture: Native Americans and Fire; in Chris Fisher’s ANTH 453, Impacts on Ancient Environments, Fall, 2009
- Member of review committee for Rocky Mountain National Park Fire Management Plan: *Managing Fire Effects on Cultural Resources Workshop*, Estes Park, CO, November 18-19, 2009.
- Faculty advisor to Undergraduate Anthropology Club, 2008-present
- Instructor: “GIS boot camp for faculty” one-day Geographic Information Science workshop for College of Liberal Arts faculty, May 19th, 2009 (12 participants).

- Organized Geographic Information System instructors at CSU to discuss Geospatial curriculum development and standards for introductory level GIS classes at CSU
- Member of the Colorado Forest Resource Assessment Working Group, US Forest Service and The Nature Conservancy, 2008-present
- Member of the Nevada State NSF EPSCOR Proposal Development Committee (2007)
- Member and development team member of the “American Cordillera Transect” for the Mountain Research Initiative, Geneva, Switzerland, 2006-present
- Field trip leader for the Mountain Research Initiative “American Cordillera Transect” trip to the Alerce Coastal Reserve, south-central Chile, April, 2006
- Advisor to The Nature Conservancy, Chile, 2005-present
- Advisor to British Broadcasting Corporation, *Rough Science* program, 2005-2006
- Field trip leader for the Scripps Howard Institute on the Environment, Colorado Front Range, May 2005
- Field trip leader for the “Fire and Forest Management of the Front Range” trip during the annual meeting of the Association of American Geographers, Denver, CO, April, 2005
- Internal Program Reviewer of Graduate Education for the Institute for Arctic and Alpine Research Department Review, University of Colorado, Boulder, 2004
- Field trip leader for High School science teachers in the Denver Public School system to help develop field and class exercises related to forest ecology, 2004
- Presentation to The Wilderness Society on the implications of fire history research findings for conservation of subalpine forests in the southern Rocky Mountains, Boulder, CO, 2004
- Worked with the educational and ranger staff at Rocky Mountain National Park, the Continental Divide Education Center, and the Rocky Mountain Nature Association to develop educational materials and programs on forest ecology for the general public, 2001-present
- Scientific advisor to Rocky Mountain National Park Fire Management Staff, 2000-present
- Presentations on forest ecology topics to the general public for the Rocky Mountain National Park “Saturday Night in the Park” Lecture Series, Estes Park and Grand Lake, CO, 2002-2004
- Science program and school enhancement project volunteer, Pioneer Bilingual Elementary, Lafayette, Colorado, 2001-2002
- Advisor to the “Rocky Mountain National Park Forest Fuels Mapping Initiative”, 2001