

Evan A. Lyons

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EDUCATION:

- PhD, Geography, In Progress. University of California, Los Angeles.
- Master of Arts, Geography, 2010. University of California, Los Angeles.
“Analysis of Error Contributing Factors in Landsat-Based Multitemporal Lake Mapping”
- Bachelor of Science, Earth and Environmental Science, 2005. University of California, Irvine.

RESEARCH EXPERIENCE:

- Graduate Student Researcher, UCLA, Dept of Geography, 2007-2011
Remote Sensing of Arctic lakes and Global lake monitoring. Advisor: Prof. Yongwei Sheng
- Junior Specialist (Remote Sensing), UC Irvine, Dept. of ESS, Jan/2006-Sep/2007
Diurnal variations in global fire emissions. Advisor: Prof. James Randerson
- Undergraduate Research Assistant, UC Irvine, Dept. of ESS, Jun/2005-Dec/2005.
Remote sensing of the effects of wildfires in Alaska. Advisor: Prof. James Randerson

TEACHING EXPERIENCE:

- Teaching Assistant, UCLA Dept. of Geography 2011-present
Taught Lab sections for GEOG 2 (Biogeography), GEOG 7 (Intro to GIS), GEOG 167 (Cartography), GEOG 168 (Intermediate GIS), and GEOG 169 (Remote Sensing).
Advisors: Dr. Lilia Illes, Dr. Justin Zackey, Prof. Thomas Gillespie, Prof. Laurence Smith and Prof. Yongwei Sheng
- Sailing Instructor/Dockmaster, UC Irvine Campus Recreation, Jan/2004-Aug/2007 (part-time).
Taught beginning through advanced sailing to UCI students, alumni, and faculty, performed maintenance and management of facilities, and administration of rating tests. Supervisor: Joyce Ibbetson.

AWARDS and HONORS:

- University of California, Los Angeles, Graduate Student Mentorship 2010 (\$18,000, 2010-2011)
- Outstanding Student Paper Award for Hydrology, AGU Fall Meeting, December 2009.
- Physical Sciences Dean’s List, 2003-2005, University of California, Irvine.

PROFESSIONAL AFFILIATIONS:

- American Geophysical Union (AGU)
- Association of American Geographers (AAG)
- American Society of Photogrammetry and Remote Sensing (ASPRS)

SERVICE:

- Graduate Student Representative. UCLA Dept. of Geography, 2008-2009
- Peer reviewed papers for IEEE and JGR Biogeosciences
- Founding member of the Earth System Science Club at UC Irvine, 2004-2005.

PUBLICATIONS:

- Lyons, Evan A., Yongwei Sheng, Laurence C. Smith, Junli Li, Kenneth M. Hinkel, John D. Lenters, Jida Wang. "Quantifying sources of error in multitemporal, Landsat-based lake mapping" Accepted (IJRS).
- Hinkel, K. M., J. D. Lenters, Y. W. Sheng, E. A. Lyons, R. A. Beck, W. R. Eisner, E. F. Maurer, J. D. Wang, and B. L. Potter (2012), Thermokarst Lakes on the Arctic Coastal Plain of Alaska: Spatial and Temporal Variability in Summer Water Temperature, Permafrost and Periglacial Processes, 23(3), 207-217.
- Hinkel K. M., Zheng Lin, Yongwei Sheng & Evan A. Lyons (2012): Regional lake ice meltout patterns near Barrow, Alaska, Polar Geography, DOI:10.1080/1088937X.2011.654355
- Wang, Jida, Yongwei Sheng, Kenneth M. Hinkel, Evan A. Lyons, Drained thaw lake basin recovery on the western Arctic Coastal Plain of Alaska using high-resolution digital elevation models and remote sensing imagery, Remote Sensing of Environment, Available online 15 December 2011, ISSN 0034-4257, 10.1016/j.rse.2011.
- Chen, Y., Li, Q., Randerson, J. T., Lyons, E. A., Kahn, R. A., Nelson, D. L., and Diner, D. J.: The sensitivity of CO and aerosol transport to the temporal and vertical distribution of North American boreal fire emissions, Atmos. Chem. Phys., 9, 6559-6580, 2009.
- Lyons, E. A., Y. Jin, and J. T. Randerson (2008), Changes in surface albedo after fire in boreal forest ecosystems of interior Alaska assessed using MODIS satellite observations, J. Geophys. Res., 113, G02012, doi:10.1029/2007JG000606.
- Randerson J. T. et al. The Impact of Boreal Forest Fire on Climate Warming, Science 17 November 2006: Vol. 314. no. 5802, pp. 1130 – 1132 DOI: 10.1126/Science.1132075

PRESENTATIONS:

- “Seasonal and Interannual Lake Dynamics on the Arctic Coastal Plain of Alaska” American Geophysical Union, December 2011 (Poster)
- “The Role of Ice-Push Shoreline Features in the Orientation of Thaw Lakes” American Geophysical Union, December 2010 (Oral Presentation)
- “Seasonal and Interannual Lake Dynamics and Shoreline Development on the Arctic Coastal Plain of Alaska” American Geophysical Union, December 2009 (Poster) Outstanding Student Paper Award Winner
- "Multi-temporal Lake Mapping on the Alaskan North Slope Using Landsat" GeoNorth, August 2009 (Oral Presentation)
- "Seasonally Appropriate Image Acquisition Period for Global Lake Dynamics" Association of American Geographers, March 2009 (Poster)
- "Factor Analysis of Multitemporal Lake Mapping on the Alaskan North Slope" American Geophysical Union, December 2008 (Poster)
- “Post-fire Changes in Surface Albedo and FPAR Associated With Vegetation Succession in Boreal Forest Ecosystems” (Poster). Biogeomon Meeting June/2006, Santa Cruz CA.
- “Post-fire Changes in Surface Albedo Associated With Vegetation Succession in Boreal Forest Ecosystems” (Poster). AGU Fall Meeting poster presentation Dec/2005, San Francisco CA.