

## CHRISTOPHER H. GUITERMAN

Laboratory of Tree-Ring Research  
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University of Arizona  
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### EDUCATION

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Ph.D. student, School of Natural Resources and the Environment, University of Arizona

M.S., School of Forest Resources, University of Maine, 2009

B.A., Geology, Bates College, 2005

### EMPLOYMENT

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2010 – Laboratory of Tree-Ring Research, University of Arizona  
Graduate Research Associate

2010 – School of Geography and Development, University of Arizona  
Course Instructor; Teaching Assistant

2007 – 2009 School of Forest Resources, University of Maine  
Graduate Research Assistant  
Teaching Assistant (2008, 2009)

2005 – 2007 Camp II Forest Management, Joseph, OR  
Forest Technician

### TEACHING

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GEOG 303: Field Study in Environmental Geography. University of Arizona. Spring 2014.

GEOG 230: Our Changing Climate. University of Arizona. Online course.  
Summer Session II, 2013. Winter Session 2014.

North American Dendroecological Fieldweek (NADEF), Intro Group, Jemez Mountains, New Mexico. May 28 – June 4, 2012. (co-instructor)

GEOG 240: Our Dynamic Landscape. University of Arizona. Fall 2011. (co-instructor)

GEOG 397A: Field Course – Reading a Landscape. University of Arizona. Fall 2011 (co-instructor)

Dendroecology Fieldcourse, Laboratory of Tree-Ring Research, University of Arizona. May 16 – 27, 2011. (co-instructor)

## PUBLICATIONS

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Brice, B., Lorion, K., Griffin, D., Macalady, A., **Guiterman, C.**, Speer, J., Benakoun, L., Cutter, A., Hart, M., Murray, M., Nash, S., Shepard, R., Stewart, A., and Wang, H. 2013. Signal strength in sub-annual chronologies from *Pinus ponderosa* in northern New Mexico. *Tree-Ring Research* 69(2): 81-86.

**Guiterman, C.H.**, R.S. Seymour, and A.R. Weiskittel. 2012. Long-Term Thinning Effects on the Leaf Area of *Pinus strobus* L. as Estimated from Litterfall and Individual-Tree Allometric Models. *Forest Science* 58(1): 85-93.

**Guiterman, C.H.**, A.R. Weiskittel, and R.S. Seymour. 2011. Influences of conventional and low density thinning on the lower bole taper and volume growth of eastern white pine. *Northern Journal of Applied Forestry* 28(3): 123-128.

## REPORTS AND THESES

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Brice, B., K. Lorion, D. Griffin, A. Macalady, **C. Guiterman**, J. Speer, L. Benakoun, A. Cutter, M. Hart, M. Murray, S. Nash, R. Shepard, A. Stewart, & H. Wang. 2012. Chronologies of earlywood and latewood width from an old-growth *Pinus ponderosa* stand in the Jemez Mountains of northern New Mexico. Intro Group Final Report. NADEF 2012.

**Guiterman, C.H.** 2009. The influences of conventional and low density thinning on leaf area, growth, and growing space relationships of eastern white pine (*Pinus strobus* L.), M.S. thesis, Univ. of Maine, Orono, ME. 103 p.

van de Gevel, S., C. Gentry, S. Birch, S. Cousins, J. Dech, **C. Guiterman**, G. Harley, B. Hook, E. Martinson, R. Morrissey, M. Reinikainen, S. Ryu, A. Sahara, J. Waldron. 2009. Forest Stand Dynamics and Disturbance History in a Mixed Hardwood Forest, Simes Tract, Harvard Forest, Massachusetts. Stand Dynamics Group Final Report. NADEF 2009.

**Guiterman, C.H.** 2004. Strain variations of a hinge-parallel lineation, Chandler Ridge, Mount Washington, New Hampshire. Undergraduate Honors Thesis, Geology Department, Bates College, Lewiston, ME. 121 p.

## CONFERENCE PRESENTATIONS

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**Guiterman, C.H.**, T.W. Swetnam, & C.H. Baisan. Fire History of Boreal Forests in the Sakha Republic of eastern Siberia. Oral presentation, Second North American Dendrochronology Conference, May 13 – 17, 2013. Tucson, AZ.

**Guiterman, C.H.**, T.W. Swetnam, C.H. Baisan , & J.S. Dean. Sourcing the Plaza Tree of Pueblo Bonito Using New Documentary and Tree-Ring Evidence. Poster presentation, Second North American Dendrochronology Conference, May 13 – 17, 2013. Tucson, AZ.

Brice, B., K. Lorion, D. Griffin, A. Macalady, **C. Guiterman**, J. Speer, L. Benakoun, A. Cutter, M. Hart, M. Murray, S. Nash, R. Shepard, A. Stewart, & H. Wang. Education of dendrochronology through applied research: A case study & chronology creation in New Mexico. Poster presentation, Second North American Dendrochronology Conference, May 13 – 17, 2013. Tucson, AZ.

Brice, B., K. Lorion, R.D. Griffin, **C. Guiterman**, Macalady, A., and J. Speer. Chronologies of earlywood and latewood from and old-growth ponderosa pine stand in the Jemez Mountains of northern New Mexico. Oral presentation by B. Brice, Association of American Geographers (AAG) annual meeting, April 13, 2013. Los Angeles, CA.

**Guiterman, C.H.**, T.W. Swetnam, J.S. Dean, C.H. Baisan, and P.P. Creasman. A test of dendroprovenancing in the Southwest. Oral presentation, Tree-Ring Day, SEES Earthweek, April 9, 2013. Tucson, AZ.

**Guiterman, C.H.**, T.W. Swetnam, and C.H. Baisan. Fire History in Eastern Siberia. Oral presentation, SEES Earthweek, March 28, 2012. University of Arizona.

**Guiterman, C.H.**, T.W. Swetnam, C.H. Baisan, and J.S. Dean. Unearthing the story of JPB-99, the Plaza Tree of Pueblo Bonito, Chaco Canyon, New Mexico. Oral presentation, Association of American Geographers (AAG) annual meeting, February 27, 2012. New York, NY.

Sahara, A., C. Gentry, S. van de Gevel, S. Birch, S. Cousins, J. Dech, **C. Guiterman**, G. Harley, B. Hook, E. Martinson, R. Morrissey, M. Reinikainen, S. Ryu, J. Waldron. Forest Stand Dynamics and Disturbance History in a Mixed Hardwood Forest, Simes Tract, Harvard Forest, Massachusetts. Oral presentation by A. Sahara. Association of American Geographers (AAG) annual meeting, April 13, 2011. Seattle, WA.

**Guiterman, C.H.**, R.S. Seymour, and A.R. Weiskittel. The Influence of stand density and thinning on the growth of eastern white pine logs. Poster Symposium, Northeast Society of American Foresters (SAF) Conference, March 18-19, 2009. Portland, Maine.

**Guiterman, C.H.**, R.S. Seymour, and A. Weiskittel. Influence of low density and conventional B-line thinning on the growth of 60-year-old eastern white pine (*Pinus strobus* L.). Poster

presentation, Eastern CANUSA Forest Science Conference, October 17-18, 2008. University of Maine, Orono, Maine.

Seymour, R.S., **C.H. Guiterman**, and N. Mercier. Crop-tree silviculture of eastern white pine. Oral presentation by R.S. Seymour, Eastern CANUSA Forest Science Conference, October 17-18, 2008. University of Maine, Orono, Maine.

**Guiterman, C.H.** and J.D. Eusden Jr. Strain variations of a hinge-parallel lineation, Presidential Range, New Hampshire. Poster presentation, Geological Society of America Northeast and Southeast sections joint meeting, March 25-27, 2004. *Reference:* Geological Society of America Abstracts with Programs 36: 102.

## INVITED PRESENTATIONS

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**Guiterman, C.H.** Dendrochronological sourcing of timbers from the Great Houses of Chaco Canyon. Oral presentation to the staff of Chaco Culture National Historical Park. Sept 30, 2013.

**Guiterman, C.H.** Three seasons of FIA adventures in the Pacific Northwest. Oral presentation to the Southern Arizona Chapter of the Society of American Foresters. April 12, 2012. Tucson, AZ.

## GRANT FUNDING

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2013 – 2014 National Park Service, WMI. *Dendroecological analyses of fire-origin shrublands in former conifer forests of the Jemez Mountains, New Mexico.* \$35,000.

2012 – 2013 Western National Parks Association. *Dendrochronological Sourcing of Timbers from the Great Houses of Chaco Canyon, New Mexico.* \$7,500.

2012 – 2014 National Parks Service Cooperative Ecosystems Studies Unit, Desert Southwest Division. *Dendrochronological Sourcing of Timbers from the Great Houses of Chaco Canyon, New Mexico.* \$10,735.

## SERVICE

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Reviewer: *Fire Ecology* (2011), *Journal of Biogeography* (2012), *Urban Forestry and Urban Greening* (2013), *Forest Science* (2013)

LTRR Graduate Student Faculty Representative. 2012 – 2013 academic year.

Organizer, Tree-Ring Day 2013. April 9, 2013.

LTRR Representative to UA School of Earth and Environmental Sciences (SEES) Earthweek. 2012 – 2013 academic year.

Forests, Fire, and Tree Ring displays, Flandrau Science Center museum exhibit on Sky Islands. July - August 2012.

Interim Treasurer, Southern Arizona Chapter of the Society of American Foresters. August – December 2011.

## OUTREACH

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### Tours of the Laboratory of Tree-Ring Research

- Amphitheater High School students, Tucson, AZ. April 12, 2013.
- Dedication and Open House, Bryant Bannister Tree-Ring Building. March 1 & 2, 2013.
- UA College of Science Operation Military Kids – Career Pathfinders Camp, July 12, 2012.
- Arizona Archaeological and Historical Society, May 5, 2012. [Photo blog online](#).
- Forest Health Conference group, April 16, 2012.

### Guest Lectures

- “Tree-ring dating and applications in dendrochronology”, Geog 303-Field Study in Environmental Geography. April 10, 2012.
- “Tree-ring dating and applications in dendrochronology”, Geog 430-Climate System. April 5, 2012.
- “What are tree-rings?”, NATS 101-Physical Geography. October 20, 2010.

### Off-Campus Events

- J.B. Wright Elementary School, Tucson, AZ. September 24, 2012
- BioBlitz 2011, Saguaro National Park West. October 22, 2011.
- Second Saturday Downtown Tucson. March 12, 2011.
- Math & Science FunFest, Tucson Convention Center, November 5, 2010.

## HONORS AND AWARDS

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Graduate College Fellowship, University of Arizona, 2011-2012 academic year.

Tuition and Registration Scholarship, School of Natural Resources and the Environment, University of Arizona, 2011-2012 academic year.

Best Poster Presentation Award, Northeast Society of American Foresters (SAF) Conference, March 18-19, 2009. Portland, Maine.

Phi Kappa Phi Honor Society, 2009

Charles E. Schomaker Memorial Scholarship, School of Forest Resources, University of Maine,  
2008

Golden Key International Honor Society, 2008

Sigma Xi, 2004

#### **PROFESSIONAL SOCIETY MEMBERSHIPS**

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Tree-Ring Society, Society of American Foresters, Forest Guild, Association of American Geographers