

Todd H. Albert, Ph.D.

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Department of Geography

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Education

- 2005 - 2007 Ph.D., Department of Geography, Florida State University
- 2000 - 2004 Ph.D. Candidate, Department of Geography (CIRES), University of Colorado
- 1998 - 2000 M.S., Atmospheric Sciences, Ohio State University
- 1993 - 1998 B.S., Geography, University of Florida

Publications

Peer Reviewed

- Albert, T.H., Evaluation of remote sensing techniques for ice-area classification applied to the tropical Quelccaya Ice Cap, Peru, *Polar Geography*, 26 (3), 210-226, 2002. (Cited > 9 times)

Accepted

- Albert, T.H., Y. Arnaud, C. Huggel, A. Racoviteanu, Northern Andes, in *Global Land Ice Measurement from Space: Satellite Multispectral Imaging of Glaciers*, eds. J.S. Kargel, M.P. Bishop, A. Kääh, B. Raup, pp. 849, Praxis-Springer, 2009.

Books

- Albert, T.H., Assessment of glacier mass balances from small tropical glaciers to the ice sheet of Greenland, VDM Verlag Dr. Mueller e.K., Saarbrücken, Germany, 160 pp., 2008.

Published Reports

- Albert, T.H., Assessment of glacier mass balances from small tropical glaciers to the large ice sheet of Greenland, Ph.D. Dissertation, Florida State University, Tallahassee, Florida, 2007.
- Albert, T.H., Measuring and modeling surface height changes on the Greenland ice sheet: Pâkitsoq ablation zone, west-central Greenland, pp. 37, University of Colorado, Boulder, Colorado, 2004.
- Steffen, K., N. Cullen, R. Huff, S. Starkweather, T.H. Albert, and M. McAllister, Variability and forcing of climate parameters on the Greenland Ice Sheet: Greenland Climate Network (GC Net), pp. 30, University of Colorado, Boulder, 2004
- Steffen, K., N. Cullen, R. Huff, S. Starkweather, and T.H. Albert, Variability and forcing of climate parameters on the Greenland ice sheet: Greenland Climate Network (GC-Net), pp. 29, University of Colorado, Boulder, 2003.
- Albert, T.H., A high-resolution ablation study near Illulisat (Jakobshavn) on the Greenland Ice Sheet, pp. 10, University of Colorado, Boulder, Colorado, 2002.
- Steffen, K., J.E. Box, N. Cullen, and T.H. Albert, Variability and forcing of climate parameters on the Greenland Ice Sheet: Greenland Climate Network (GC Net), pp. 22, University of Colorado, Boulder, 2002.
- Steffen, K., J.E. Box, N. Cullen, and T.H. Albert, Greenland ice sheet climatology and surface energy balance modeling: Greenland climate network (GC-Net), pp. 24, University of Colorado, Boulder, 2002.
- Albert, T.H., Investigations of the recent changes on the tropical Quelccaya Ice Cap, Peru, Masters thesis, Ohio State University, Columbus, Ohio, 2000.

In Preparation

- Albert, T.H., A mass-balance profile from the west-central coast up to the summit of the Greenland Ice Sheet, *Geophysical Research Letters*, in progress.
- Albert, T.H., Retreat history of the tropical Quelccaya Ice Cap, Peru, from 1962-2005 using remote sensing techniques, *Journal of Glaciology*, in progress.
- Albert, T.H., A semi-analytic approach to modeling melt in the ablation zone of west-central Greenland, *Journal of Geophysical Research*, in progress.

Grants and Awards

2008 - present Coastal Ohio Wind Project, Collaborator, \$1,000,000
 2002 - 2003 CIRES Innovative Research Grant, Co-Principle Investigator, University of Colorado, \$26,000
 2001 - 2004 NASA Graduate Research Fellowship, Principle Investigator, University of Colorado, \$70,000
 1999 - 2000 Dean's Small Grant, Ohio State University, \$1,000
 1998 - 1999 PEGS Scholarship, Ohio State University, \$4,000

Professional Appointments and Other Experience

Research Experience

2008 - present Coastal Ohio Wind Project
 2004 - present GLIMS (Global Land Ice Measurements from Space) Steward, Quelccaya ice cap, Peru
 2002 - 2003 CIRES (NOAA and CU) Innovative Research Grant, University of Colorado
 2001 - 2004 NASA Graduate Research Fellow, University of Colorado
 2001 - 2004 NASA PARCA Program Graduate Research Assistant, University of Colorado
 1999 - 2000 Research Assistant, Ohio State University
 1997 - 1998 Research Assistant, University of Florida

Teaching Experience

2007 - present Instructor, Department of Geography, Bowling Green State University
 2004 - 2007 Adjunct Instructor, Tallahassee Community College
 2004 - 2007 Lead Teacher and Science Coordinator, Cornerstone Learning Community, Tallahassee, Florida
 2001 - 2003 Lab or Recitation Instructor, University of Colorado
 2002 - 2003 Tutor, University of Colorado, Boulder, Colorado
 1998 - 2000 Lab and Recitation Instructor, Ohio State University
 1996 - 1997 Tutor, University of Florida

Field Experience

2008 Kiser Lake, Ohio
 2008 - present Bowling Green, Ohio
 2005 - 2007 Tallahassee, Florida
 2005 Cape San Blas, Florida
 2003 Italian Alps, Karthaus, Italy
 2002 - 2003 Mammoth Gulch and Niwot Ridge, Colorado
 2002 High Andes, Peru
 2001 - 2002 Greenland Ice Sheet

Service and Professional Development

2008 - present Undergraduate Advisor, Department of Geography, Bowling Green State University
 2007 - present Faculty Advisor, Geography Club, Bowling Green State University
 2007 - 2008 Preview Day volunteer, Bowling Green State University
 2007 - 2008 Active Learning in the Natural Sciences Learning Community, Bowling Green State University
 2007 - 2008 New Faculty Learning Community, Bowling Green State University

Media Appearances

Albert, T.H., Changing Earth's Climate, WBGU TV, October 5, 2008.
 Reiter, M., Global warming science not new, BG professor says, in *The Courier*, Findlay, Ohio, August 28, 2008.
 Albert, T.H., Debate with renown climate-change skeptic Roy Spencer, Political Animals, WBGU FM, March 24, 2008.

Selected Presentations

Albert, T.H., Changing Earth's Climate, Keynote Talk, University of Findlay, Findlay, Ohio, August 26, 2008.
 Albert, T.H., Changing Earth's Climate, League of Woman Voters, Panel Discussion on Global Climate Change, Lima, Ohio, June 17, 2008.
 Albert, T.H., Measuring and modeling melt and mass-balance on the Greenland Ice Sheet, Byrd Polar Research Center Spring 2008 Seminar Series, May 9, 2008.
 Albert, T.H., Changing Earth's Climate, Keynote Talk, Earthday Conference, Ohio Northern University, Ada, Ohio, April 21, 2008.
 Albert, T.H., A mass-balance profile for the Greenland Ice Sheet, Annual Meeting of the Association of American Geographers (AAG), Boston, 2008.

- Albert, T.H., Melting Glaciers and Beach-front Property, Focus the Nation, Bowling Green State University, Bowling Green, Ohio, January 31, 2008.
- Albert, T.H., Glacier retreat in the Peruvian Andes, Geology Colloquium, Bowling Green State University, Bowling Green, Ohio, January 17, 2008.
- Albert, T.H., The effects of global warming on the tropics: from glaciers to hurricanes, Departmental Colloquium, Tallahassee, Community College, 2006.
- Seimon, A., and T. H. Albert, Mapping environmental response to 20th century warming in a tropical Andean cordillera, CIRES Innovative Research Program Selection, University of Colorado, 2003.
- Albert, T.H., J.E. Box, K. Steffen, R. Huff, N. Cullen, and S. Starkweather, Mass and energy balance measurements in the Jakobshavn ablation region, Annual Meeting of the Association of American Geographers (AAG), New Orleans, 2003.
- Box, J.E., K. Steffen, D.H. Bromwich, T.H. Albert, Greenland ice sheet mass balance in regional atmospheric models, Annual Meeting of the Association of American Geographers (AAG), New Orleans, 2003.
- Albert, T.H., The effects of snow on ablation in the lower ablation area of the Greenland ice sheet, Pakitsiq, West Greenland, University of Colorado, 2002.
- Albert, T.H., Assessment of Ablation in the Jakobshavn region, west-central Greenland: a modeling approach, University of Colorado, 2002.
- Albert, T.H., L.G. Thompson, E. Mosley-Thompson, Remote sensing methods of ice-area change detection applied to the Quelccaya Ice Cap, Peru, Annual Meeting of the AAG, Los Angeles, 2002.
- Albert, T.H., Proposed calibration scheme for Smart Stakes, University of Colorado, 2002.
- Albert, T.H., Investigations of the recent changes on the Quelccaya ice cap, University of Colorado, 2002.
- Albert, T.H., A high-resolution ablation study near Jakobshavn on the Greenland Ice Sheet, NASA Planning Meeting, University of Colorado, 2001.
- Albert, T.H., Surface lowering parameterization, Greenland Ice Sheet Ablation Zone, University of Colorado, 2001.
- Albert, T.H., Analysis of techniques to determine ice area, University of Colorado, 2001.
- Albert, T.H., Putting sensible heat flux measurements into a global context, University of Colorado, 2001.
- Albert, T.H., L.G. Thompson, and H. Brecher, Techniques for monitoring the retreat of tropical and subtropical glaciers using remotely sensed data, Annual Meeting of the AAG, Pittsburgh, 2000.
- Albert, T.H., Effects of extreme ENSO conditions on summer rainfall in Florida, Annual Meeting of the AAG, Honolulu, Hawaii, 1999.
- Albert, T.H., Geologic Hazards of Florida, The Ohio State University, 1999.
- Albert, T.H., M. Binford, Indigenous American People, The Ohio State University, 1999.
- Albert, T.H., Effects of extreme ENSO events on summer rainfall in Florida, East Lakes Regional Meeting of the AAG, 1998.

Professional Memberships

1997 - present	Association of American Geographers (AAG)
2001 - present	American Geophysical Union (AGU)
2001 - present	International Glaciological Society (IGS)
1998 - 2000	American Association for the Advancement of Science (AAAS)
Lifetime	Gamma Theta Upsilon (GTU), International Geographic Honor Society