

Larry D. Hinzman, Ph.D.
Vice Chancellor for Research
Professor of Civil and Environmental Engineering

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EDUCATION

University of Alaska, Fairbanks, (1990) Ph.D. Soil Physics. Emphasis in Arctic Hydrology.
Purdue University, West Lafayette IN (1981) M.S. Agronomy. Emphasis in Remote Sensing.
South Dakota State University, Brookings (1979) B.S. Soil Science and B.S. General Chemistry.

AREAS OF EXPERTISE

Hydrology: Extensive experience in field research and modeling surface and subsurface flow, emphasis upon permafrost hydrology, arctic and subarctic meteorological processes.
Soil Science and Permafrost: Proficiency in thermal analysis through numerical and analytical solutions. Soil Physics and Soil Chemistry.

EMPLOYMENT/PROFESSIONAL EXPERIENCE

Interim Vice Chancellor for Research, University of Alaska Fairbanks (March 2015 – Present).
Director, International Arctic Research Center, University of Alaska Fairbanks (February 2007 – March 2015).
Deputy Director, International Arctic Research Center, University of Alaska Fairbanks (January 2006 – January 2007).
Research Professor of Water Resources, Water and Environmental Research Center, Institute of Northern Engineering, University of Alaska (July 2001 – January 2006).
Associate Research Professor of Water Resources, Water and Environmental Research Center, Institute of Northern Engineering, University of Alaska (July 1996 - July 2001).
Assistant Research Professor of Water Resources, Water Research Center, Institute of Northern Engineering, University of Alaska (July 1991 - July 1996).
Post-Doctoral Research Associate, Water Research Center, Institute of Northern Engineering, University of Alaska (Jan 1990 - July 1991).
Graduate Research Assistant, Water Research Center, Institute of Northern Engineering, University of Alaska (1983-1989).
Agricultural Assistant, Agricultural Experiment Station, University of Alaska (1982-1983).
Environmental Sciences and Remote Sensing Assistant, Northern Technical Services (1982).
Graduate Research Assistant, Laboratory for Applications of Remote Sensing, Purdue University (1979-1981).

Summary Statistics

Authored 77 peer-reviewed journal articles, 10 book chapters, 17 Technical Reports, 67 conference proceedings.
[h-index](#) = 47, [i10-index](#) = 83, cited by 8903 pubs (according to Google Scholar, 13 May 2016)

Membership in Professional Organizations

US Permafrost Association
Canadian Geophysical Union

Arctic Institute of North America
American Geophysical Union

Current or Recent Committee Memberships (incomplete list)

National

President, US Permafrost Association
Study of Environmental Arctic Change (SEARCH) Panel on Observing Change
NSF CHAMP Steering Committee Co-Chair
NSF CHAMP Science Management Office Co-Chair
NSF Human Dimensions of the Arctic (HARC) Steering Committee Member
Advisory Panel AGU Virtual Cryospheric Journal
AGU Cryospheric Focus Group Executive Committee, member
AGU Index Term Revision Committee, Member
Universities Council on Water Resources, Member
Polar Research Board, National Academies, Member

International

US Representative to the International Permafrost Association
Terrestrial Cryospheric and Hydrologic Systems Working Group, International Conference on Arctic Research Planning (ICARP II), Member
Adaptation Actions for a Changing Arctic, Bering-Chukchi-Beaufort Region, Co-Chair
US Delegate and Vice President, International Arctic Science Committee

Select Refereed Journal Papers

1. Hinzman, Larry D. Neil D. Bettez, W. Robert Bolton, F. Stuart Chapin, Mark B. Dyurgerov, Chris L. Fastie, Brad Griffith, Robert D. Hollister, Allen Hope, Henry P. Huntington, Anne M. Jensen, Gensuo J. Jia, Torre Jorgenson, Douglas L. Kane, David R. Klein, Gary Kofinas, Amanda H. Lynch, Andrea H. Lloyd, A. David McGuire, Frederick E. Nelson, Walter C. Oechel, Thomas E. Osterkamp, Charles H. Racine, Vladimir E. Romanovsky, Robert S. Stone, Douglas A. Stow, Matthew Sturm, Craig E. Tweedie, George L. Vourlitis, Marilyn D. Walker, Donald A. Walker, Patrick J. Webber, Jeff Welker, Kevin S. Winker, Kenji Yoshikawa. 2005. Evidence and Implications of Recent Climate Change in Northern Alaska and Other Arctic Regions. *Climatic Change* 72(3):251-298.
2. Hinzman, L.D., R.E. Gieck and D.L. Kane. 2008. Spatial and Temporal Variation of Soil Temperatures and Arctic Hydrology in the Kuparuk River Basin, Alaska. D.L. Kane and K.M. Hinkel (Eds.), University of Alaska, Institute of Northern Engineering, pp. 711-716.
3. Hinzman, Larry D., Kenneth M. Hinkel and Vladimir E. Romanovsky Collaborative efforts to solve problems in permafrost science and engineering. *Eos, Transactions American Geophysical Union*. Volume 93, Issue 43, 23 October 2012, Page: 428. Article first published online : 19 OCT 2012, DOI: 10.1029/2012EO430005.
4. Hinzman, Larry D., Tetsuo Ohata, Igor V. Polyakov, Rikie Suzuki, John E. Walsh. 2013. JAMSTEC-IARC international collaboration enhancing understanding of the Arctic climate system, *Polar Science*, <http://dx.doi.org/10.1016/j.polar.2013.05.001>
5. Hinzman, Larry; Deal, Clara; McGuire, Anthony D.; Mernild, Sebastian H.; Polyakov, Igor V.; Walsh, John E. 2013. Trajectory of the Arctic as an integrated system. *Ecological Applications*, 23(8):1837 – 1868.