CURRICULUM VITAE

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EDUCATION:

University of Colorado, Boulder, Ph.D., 2004, Geography
University of Colorado, Denver, M.S., 1998, Environmental Science
Purdue University, West Lafayette, B.A., 1990, Political Science

PROFESSIONAL EXPERIENCE:

2014-present Program Coordinator, Landslide Hazards, U.S. Geological Survey Natural Hazards Mission Area, Denver, CO. I am responsible for scientific direction and budget priorities for the USGS Landslide Hazards Program.
1998-2014: Research Physical Scientist, USGS Geologic Hazards Science Center, Denver, CO

ACADEMIC SERVICE AND FUNDING:

- Co-advised eight Ph.D. students on hydrology and landslide hazards.
- Co-taught graduate courses on landslide mechanics and hydrology, Colorado School of Mines.
- NSF Geography and Regional Science Program Doctoral Dissertation Improvement Award, 2001.
- U.S. Department of Education, GAAN Program, “Interdisciplinary Graduate Program for Geohazards Engineering and Geological Engineering”, PI, Ning Lu, Co-PI: P. Santi, Collaborator, Jonathan Godt, 2006-2010.
- NSF Geomechanics and Geomaterials Program, “Do Precipitation-induced shallow landslides occur under unsaturated conditions”, PI Ning Lu, Co-PI Jonathan Godt, 2008-2011.
- NASA Earth Science Division, "Advancing Multi-scale Landslide Hazard Prediction by Integrating High Resolution Remote Sensing Data and Subsurface In-Situ Monitoring", PI Ning Lu, Co-PIs Jonathan Godt, Dalia Kirschbaum, Yang Hong, 2012-2016.

COMMITEES:

U.S. Geological Survey Strategic Science Strategy Planning Team for Natural Hazards, 2010 – 2013.

U.S. Geological Survey Powell Center Working Group: Understanding Injection-Induced Seismicity, 2013 – 2015.

SELECTED PUBLICATIONS:

Gallen, S.F., Clark, M.K., Godt, J.W., Roback, K., and Niemi, N.A., 2016, Application and evaluation of a rapid response earthquake-triggered landslide model to the 25 April Mw 7.8 Gorkha earthquake, Nepal: Tectonophysics, doi:10.1016/j.tecto.2016.10.031.

Gallen, S.F., Clark, M.K., and Godt, J.W., 2015, Coseismic landslides reveal near-surface rock strength in a high-relief, tectonically active setting: Geology, v. 43, p. 11-14.

Weingarten, M., Ge, S., Godt, J.W., Bekins, B.A., and Rubinstein, 2015, High-rate injection is associated with the increase in US mid-continent seismicity: Science, v. 348, p. 1336-1340.

Lu, N., and Godt, J.W., 2013, Hillslope Hydrology and Stability. Cambridge University Press, Cambridge, UK, 437 pp.

Godt, J.W., Şener-Kaya, B., Lu, N., and Baum, R.L., 2012, Stability of infinite slopes under transient partially saturated seepage conditions: Water Resources Research, doi:10.1029/2011WR011408.

Baum, R. L. and Godt, J. W., 2010, Early warning of rainfall-induced shallow landslides and debris flows in the USA: Landslides, v. 7, p. 259-272.

Baum, R. L., Godt, J. W., and Savage, W. Z., 2010, Estimating the timing and location of shallow rainfall-induced landslides using a model for transient, unsaturated infiltration: Journal of Geophysical Research –Earth Surface, v. 115, p. F03013.

Lu, N, Godt, J. W., and Wu, D., 2010, A closed-form equation for effective stress in unsaturated soil: Water Resources Research, v. 46, p. W05515.

Iverson, R.M., Reid, M.E., Logan, M., LaHusen, R.G., Godt, J.W., and Griswold, J.P., 2010, Positive feedback and momentum growth during debris-flow entrainment of wet bed sediment: Nature Geoscience, v. 4, p. 116-121.

Ge, S., Liu, M., Lu, N., Godt J. W., and Luo, G., 2009, Did the Zipingpu reservoir trigger the 2008 Wenchuan earthquake?: Geophysical Research Letters, v. 36, p. L20315.

Godt, J. W., Baum, R. L., and Lu, N., 2009, Landsliding in partially saturated materials: Geophysical Research Letters, v. 36, p. L02403.

Godt, J. W., Şener, B., Verdin, K. L., Wald, D. J., Earle, P. S., Harp, E. L., and Jibson, R. W., 2008, Rapid assessment of earthquake-induced landsliding, *in*, Proceedings of the First World Landslide Forum, November 2008, Tokyo, Japan, International Programme on Landslides, p. 219-222.

Lu, N., and Godt, J. W., 2008, Infinite-slope stability under steady unsaturated seepage conditions: Water Resources Research. v. 44, p. W11404.

Godt, J. W. and McKenna, J. P., 2008, Hydrological response of hillside materials to infiltration: Implications for shallow landsliding in the Seattle area, *in*, Baum, R. L., Godt, J. W., and Highland, L. M., eds., Landslides and Engineering Geology of the Seattle, Washington, area: Geological Society of America Reviews in Engineering Geology, v. XX, p. 121-135.

Godt, J. W., Baum, R. L., Savage, W. Z., Salciarini, D., Schulz, W. H., and Harp, E. L., 2008, Transient deterministic shallow landslide modeling: requirements for susceptibility and hazard assessments in a GIS framework: Engineering Geology, v. 102, p. 214-226.