

## CURRICULUM VITAE JAAKKO PUTKONEN

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### EDUCATIONAL BACKGROUND

- Doctor of Philosophy**, 1997, Department of Geological Sciences, University of Washington, Seattle, WA.
- Master of Science**, 1990, Department of Geology, University of Helsinki, Finland.

### PROFESSIONAL EXPERIENCE

- Associate Professor**, University of North Dakota, 5/2014-present
- Assistant Professor**, University of North Dakota, 8/2008-5/2014
- Affiliate Associate Professor**, University of Washington, 7/2009-present.
- Affiliate Associate Professor**, University of Washington, 8/2008-7/2009
- Research Associate Professor**, University of Washington, 7/2007-8/2008
- Washington State Licensed Professional Geologist 2002-present**
- Research Assistant Professor**, University of Washington, 2001-2007
- Post Doctoral Research Associate**, University of Washington, 1997-2001

### PEER REVIEWED PAPERS

Accepted:

Putkonen, J., and D.J. Morgan, and G. Balco. *Accepted*. Boulder Weathering in McMurdo Dry Valleys, Antarctica. *Geomorphology*.

Published:

- Warren, K., M.-C. Eppes, S. Swami, J. Garbini, and J. **Putkonen**. 2013. Automated field detection of rock fracturing, microclimate, and diurnal rock temperature and strain fields. *Geosci. Instrum. Method. Data Syst.* 3, 371-406. doi:10.5194/gid-3-371-2013.
- Burbank, D.W., B. Bookhagen, E. Gabet, and J. **Putkonen**. 2012. Modern Climate and Erosion in the Himalaya. *Compte Rendus Geoscience*.  
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- Putkonen**, J., and D.J. Morgan, and G. Balco. 2012. Regolith Transport Quantified by Braking Block, McMurdo Dry Valleys, Antarctica. *Geomorphology* 155-156, pp. 80-87.  
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- Pratt-Sitaula, B., D. W. Burbank, A. M. Heimsath, N. F. Humphrey, M. Oskin, and J. **Putkonen**. 2011. Topographic control of asynchronous glacial advances: a case study from Annapurna, Nepal. *Geophysical Research Letters*, 38, L24502,  
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- Morgan, D.J., **Putkonen**, J., Balco, G., and Stone, J.O.H. 2010. Degradation of glacial deposits quantified with cosmogenic nuclides, Quartermain Mountains, Antarctica. *Earth Surface Processes and Landforms*
- Gabet, E.J., D. Wolff-Boenisch, H. Langner, D. W. Burbank, and J. **Putkonen**. 2010. Geomorphic and climatic controls on chemical weathering in the High Himalayas of Nepal. *Geomorphology*.
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- Owen, L.A., R. Robinson, D. I. Benn, R. C. Finkel, N. K. Davis, C. Yi, J. **Putkonen**, D. Li, A. S. Murray. 2009. Quaternary glaciation of Mount Everest. *Quaternary Science Reviews*, 28, pp. 1412-1433.
- Wolff-Boenisch, D., E. J. Gabet, D. W. Burbank, H. Langner, J. **Putkonen**. 2009. Spatial variations in chemical weathering and CO<sub>2</sub> consumption in Nepalese High Himalayan catchments during the monsoon season. *Geochimica et Cosmochimica Acta* 73, pp. 3148–3170.
- Rennert, K.J., G. Roe, J. **Putkonen**, C.M. Bitz. 2009. Soil Thermal and Ecological Impacts of Rain on Snow Events in the Circumpolar Arctic. *Journal of Climate*, Vol 22, pp. 2303-2315. DOI: 10.1175/2008JCLI2117.1
- Putkonen**, J., T.C. Grenfell, K. Rennert, C. Bitz, P. Jacobson, and D. Russell. 2009. Rain on Snow: Little Understood Killer in the North. *Eos*, vol 90, no 26, pp. 221-222.
- Putkonen**, J., J. Connolly, and T. Orloff. 2008. Landscape evolution degrades the geologic signature of past glaciations. *Geomorphology*.
- Gabet, E.J., D. W. Burbank, B. Pratt-Sitaula, and J. K. **Putkonen**. 2008. Modern erosion rates in the High Himalayas of Nepal. *EPSL*.
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- Grenfell, T., and J. **Putkonen**. 2008. A method for the detection of the severe rain-on-snow event on Banks Island, October 2003, using passive microwave remote sensing. *Water Resources Research*. 44, W03425, doi:10.1029/2007WR005929.
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- Blythe, A. E., D. W. Burbank, A. Carter, K. Schmidt, and J. **Putkonen**. 2007. Plio-Quaternary exhumation history of the central Nepalese Himalaya: 1. Apatite and zircon fission track and apatite [U-Th]/He analyses, *Tectonics*, 26, TC3002, doi:10.1029/2006TC001990.
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- Putkonen**, J.K., and M. O'Neal. 2006. Degradation of Unconsolidated Quaternary Landforms in the Western North America. *Geomorphology*, Vol. 75, pp.408-419.
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