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## Susan W. S. Millar

### Associate Professor Emeritus, Geography

#### Degree

Ph.D., Rutgers University, 1995

#### Specialties

Physical geography, periglacial geomorphology, arctic science, climate change

#### Publications

Millar, S.W.S. and Mitchell, D., 2015. The tight dialectic: The Anthropocene and the production of nature, *Antipode*. DOI: 10.1111/anti.12188

Millar, S.W.S., 2015 (published online May 2014). Colluvial Deposits. In H. Hargitai and Á. Kereszturi (eds), *Encyclopedia of Planetary Landforms*. Springer, Germany.

French, H. M. & Millar, S. W. S. 2013: Permafrost at the time of the Last Glacial Maximum (LGM) in North America. *Boreas*. 10.1111/bor.12036. ISSN 0300-9483

Millar S.W.S. Spatial and Temporal Scales in Geomorphology. In: John F. Shroder (Editor-in-chief), Orme, A.R., and Sack, D. (Volume Editors). *Treatise on Geomorphology*, Vol 1, The Foundations of Geomorphology, San Diego: Academic Press; 2013. p. 130-145.

Millar S.W.S. Mass Movement Processes in the Periglacial Environment. In: John F. Shroder (Editor-in-chief), Giardino, R., and Harbor, J. (Volume Editors). *Treatise on Geomorphology*, Vol 8, Glacial and Periglacial Geomorphology, San Diego: Academic Press; 2013. p. 374-391.

Millar, S.W.S., 2007. Late-Pleistocene slope evolution using characteristics of rock cities in Western New York, USA. *Zeitschrift für Geomorphologie* 51: 57-67.

"Processes dominating macro-fabric generation in periglacial colluvium", *Catena* 67, 2006: 79-87.

"Fabric Variability associated with periglacial mass-wasting at Eagle Summit, Alaska" *Geomorphology* 72, 2005: 222-237.

"Identification of mapped ice-margin positions in western New York from digital terrain analysis and soil databases" *Physical Geography* 25 (4), 2004: 347-359.

"Influence of clast axial ratio on macrofabric strength in periglacial colluvium", *Journal of Sedimentary Research*, 73 (5), 2003: 720-724 (with F.E. Nelson).

"Fabric Analysis of Periglacial Colluvium in the Salamanca Re-entrant, Western New York", *Geografiska Annaler A: Physical Geography*, Vol. 83 (3), 2001:145-156 (with F. E. Nelson).

"Sampling surface orientation and clast macrofabric in periglacial colluvium". *Earth Surface Processes and Landforms: Vol. 26* (5), 2001:523-529 (with F.E. Nelson).

"Spectacular Failure, Contested Success: The Project Chariot Bioenvironmental Program", *Ecumene*, Vol. 5 (3), 1998: 287-302. (with D. Mitchell)

"Coastal Dunes: A Question of Zonality", *Essener Geografische Arbeiten*, Vol. 18, 1989: 149-169. (with N. P. Psuty)

#### Teaching Appointments

2004 - present, Associate Professor, Syracuse University, Department of Geography

1999-2004, Assistant Professor, Syracuse University, Department of Geography

1998-1999, Visiting Assistant Professor, Syracuse University, Department of Geography

1995-1998, Assistant Professor, Central Connecticut State University, Department of Geography

#### Research Interests



#### Contact Information

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Cold non-glacial geomorphology

Lake effect snow

Microclimatology and geomorphic interactions

## Research Projects

Periglacial and paraglacial slope development across the glacial margin in the Salamanca Re-entrant, Western New York using morphometric and soil characteristics.

Modeling temporal and spatial characteristics of New York State snowfall.

Microclimate, geomorphic processes, soil temperatures and snow variability in the Lake Oneida watershed, New York.

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