

Andrew K. Laskowski
CV

Department of Earth Sciences
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Education and Training

PhD	Geology	University of Arizona	2016
MS	Geology	University of Arizona	2012
BS	Geology	William and Mary	2010
	Geology Field Camp	William and Mary	2008

Professional Appointments

Assistant Professor, Montana State University	2017-present
Assistant Research Professor, University of Nevada, Las Vegas	2017
Graduate Research and Teaching Assistant, University of Arizona	2010-2016
NSF-REU Researcher, University of Southern Maine	2009

Research Statement

I am a structural geologist interested in collisional and Cordilleran mountain belts. My research integrates geologic mapping and structural analysis with detrital and igneous U-Pb geochronology, (U-Th)/He thermochronology and metamorphic petrology to reconstruct sequences of magmatism, sedimentation, deformation and metamorphism. I am particularly interested in conducting field-based research to test tectonic models of continental subduction, high-pressure metamorphism and exhumation, synchronous shortening and extension in orogenic belts, and switches between extension and contraction in orogenic hinterlands.

Honors and Awards

President's Teaching Award (nominated), Montana State University	2017
Galileo Circle Scholar, University of Arizona, College of Science	2012
High Honors in Undergraduate Research, Charles Center, William and Mary	2010
Academic Excellence Award: Geology, Alumni Association, William and Mary	2010
Eagle Scout, Boy Scouts of America	2003

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Publications (122 citations, h-index 6; i10-index 6 as of 4/2018)

- Laskowski, A.K.**, Kapp, P., Cai, F., 2018, The Gangdese Culmination Model: Oligocene—Miocene Duplexing along the India-Asia Suture Zone, Lazi Region, Southern Tibet: *Geological Society of America Bulletin*, DOI: 10.1130/B31834.1
- Laskowski, A.K.**, Ding, L., Cai, F., Chen, Y., He, S., 2017, Field Report: Research along the Yarlung Suture Zone in Southern Tibet, a Persistent Geological Frontier, *Geoscience Frontiers*, DOI: 10.1016/j.gsf.2017.11.002
- Laskowski, A.K.**, Kapp, P., Ding, L., Campbell, C., and Liu, X., 2017, Tectonic Evolution of the Yarlung Suture Zone, Lopu Range Region, Southern Tibet: *Tectonics*, v. 36, DOI: 10.1002/2016TC004334
- Cai, F., Ding, L., Yao, W., **Laskowski, A.K.**, Xu, Q., Zhang, J., and Sein, K., 2017, Provenance and tectonic evolution of Lower Paleozoic—Upper Mesozoic strata from Sibumasu Terrane, Myanmar: *Gondwana Research*, DOI: 10.1016/j.gr.2015.03.005
- Laskowski, A.K.**, Kapp, P., Vervoort, J.D., and Ding, L., 2016, High-Pressure Tethyan Himalaya rocks along the India-Asia suture zone in southern Tibet: *Lithosphere*, v. 8, no. 5, DOI:10.1130/L544.1
- Orme, D.A., Guenther, W.R., **Laskowski, A.K.**, and Reiners, P.W., 2016, Long-term tectonothermal history of Laramide basement from zircon-He age-eU correlations: *Earth and Planetary Science Letters*, v. 453, p. 119-130, DOI:10.1016/j.epsl.2016.07.046
- Orme, D.A., and **Laskowski, A.K.**, 2016, Basin Analysis of the Albian-Santonian Xigaze forearc, south-central Tibet: *Journal of Sedimentary Research*: v. 86, no. 8, p. 894-918, DOI:10.2110/jsr.2016.59
- Leary, R., Orme, D.A., **Laskowski, A.K.**, DeCelles, P.G., Kapp, P., Carrapa, B., and Dettinger, M., 2016, Along-strike diachroneity in the deposition of the Kailas Formation in central southern Tibet: Implications for Indian slab rollback: *Geosphere*, v. 12, no. 4, DOI:10.1130/GES01325.1
- Cai, F., Ding, L., **Laskowski, A.K.**, Kapp, P., Wang, H., Xu, Q., and Zhang, L., 2016, Late Triassic Paleogeographic Reconstruction along the Neo-Tethyan Ocean Margins, southern Tibet: *Earth and Planetary Science Letters*, v. 435, p. 105-114, DOI:10.1016/j.epsl.2015.12.027
- Laskowski, A.K.**, DeCelles, P.G., and Gehrels, G.E., 2013, Detrital Zircon Geochronology of Cordilleran Retroarc Foreland Basin Strata, western North America: *Tectonics*, v. 32, p. 1027-1048, DOI: 10.1002/tect.20065

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Grants & Sponsored Research

Active:

Geologic Map of the Footwall of the Anaconda Detachment in the Pintler Lake and Warren Peak 1:24,000 Scale Quadrangles, Anaconda Range, Western Montana. US Geological Survey (USGS) EdMap Program; \$17,500

Pending:

Collaborative Research: Reconstructing Cenozoic orogenic processes to test geodynamic mechanisms driving surface uplift of the east-central Tibetan plateau. National Science Foundation (NSF) Tectonics; \$223,796 (MSU portion)

List of Collaborators

Chuck Bailey (William and Mary)

Elizabeth Balgord (Weber State University)

Fulong Cai (Institute of Tibetan Plateau Research, Chinese Academy of Science)

Barbara Carrapa (University of Arizona)

Peter DeCelles (University of Arizona)

Lin Ding (Institute of Tibetan Plateau Research, Chinese Academy of Science)

George Gehrels (University of Arizona)

William Guenther (University of Illinois)

Ryan Leary (Northern Arizona University)

Devon Orme (Montana State University)

Peter Reiners (University of Arizona)

Michael Taylor (University of Kansas)

J. Ryan Thigpen (University of Kentucky)

Jeff Vervoort (Washington State University)

Michael Wells (University of Nevada, Las Vegas)

Adolph Yonkee (Weber State University)

Liyun Zhang (Institute of Tibetan Plateau Research, Chinese Academy of Science)

Courses Taught

Introduction to Geographic Information Systems and Cartography (2017); Field Methods (2018).

Mentorship and Directed Student Learning

- Undergraduate research project mentoring for BS student Caden Howlett, who's research proposal was funded by the Montana State University Undergraduate Scholars Program (2017-2018)

Service and Outreach

- Session chair (AGU Fall Meeting 2014, 2016; GSA Annual Meeting 2017)

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- Reviewer for Journal of the Geological Society, Geological Magazine, Journal of Metamorphic Geology, Geology, Geoscience Frontiers, Tectonics, and The Mountain Geologist (10 peer reviews since 1/17)
- Proposal reviewer for National Science Foundation Tectonics and Sedimentary Geology (2017, 2018) and the American Chemical Society (2018)
- Role and Scope and Geology Curriculum Revision Committee Member (2017-2018)
- Volunteer judge: Graduate Student Research Rendezvous (2017)

Invited Colloquia at Other Research Institutions

2017: University of Kansas

2018: Utah State University, Montana Tech/Montana Bureau of Mines and Geology

Symposia (since 2009)

8 first authored presentations

Professional Affiliations

American Geophysical Union, Geological Society of America, Tobacco Root Geological Society, National Association of Geoscience Teachers

Media

Unraveling the History of the India-Asia Collision: *Eos* Research Spotlight

The Lopu Range, Tibet with Andrew Laskowski: *Traveling Geologist Blog*

Drew Laskowski '10: Geology Affects the Way People Live on Earth: *William and Mary News*

Basement to Ceiling: *William and Mary News*

Traversing the Colorado Plateau: *College of William and Mary, Department of Geology News*