

BRIAN A. HAMPTON

Curriculum Vitae

Fall, 2015

CONTACT INFORMATION & PERSONAL DATA

Address: Department of Geological Sciences
1255 N. Horseshoe St., Gardiner Hall Room 171
New Mexico State University, Las Cruces, NM 88003-8001 USA

Phone: 575-646-2997 (office)

Email: bhampton@nmsu.edu

Webpage: geology.nmsu.edu/hampton/

DOB: 21 July, 1974 (Moscow, ID)

Status: U.S. citizen

EDUCATION

2006 Ph.D. in Earth & Atmospheric Sciences, Purdue University, West Lafayette, IN

2002 M.S. in Geology & Geophysics, Louisiana State University, Baton Rouge, LA

1997 B.S. in Geosciences, Pacific Lutheran University, Tacoma, WA

ACADEMIC EXPERIENCE

2013–Present Assistant Professor, New Mexico State Univ., Dept. of Geological Sciences

2007–2013 Assistant Professor, Michigan State Univ., Dept. of Geological Sciences

2002–2006 Research/Teaching Assistant, Purdue Univ., Dept. of Earth & Atmos. Sciences

1998–2001 Research/Teaching Assistant, Louisiana State Univ., Dept. of Geol. & Geophysics

INDUSTRY EXPERIENCE

2005 Geologist, Chevron Inc., Houston, TX (summer internship)

2001 Geologist, BP, Anchorage, AK (summer/fall internship)

1999 Geologist, Conoco-Phillips, Houston, TX (fall internship)

1996–1997 Geology Consultant, Weyerhaeuser Co., Federal Way, WA

GEOLOGIC TRAINING & RESEARCH/TEACHING INTERESTS

- ***Teaching Expertise & Geologic Skill Sets:*** Clastic sedimentology, stratigraphy, structural geology, geologic mapping/cross sections, sedimentary petrography, detrital geochronology/geochemistry, tectonics and orogenic processes, basin analysis, petroleum geology.
- ***Research Themes:*** Stratigraphic history and structural evolution of mountain belts; tectonic and climatic controls on depositional systems; spatial/temporal changes in provenance, sediment dispersal, and structural deformation during exhumation and basin development in compressional and extensional tectonic settings; reconstruction of orogenic history and sedimentary basin evolution.
- ***Field Areas of Interest:*** North American Cordillera (Alaska, Canada, Pacific Northwest, and Southwestern US); Michigan and Illinois basins, Midcontinent Rift System (northern Michigan); central Andes (Bolivia and Argentina); Far East Russia; UAE and Oman.

AWARDS & DISTINCTIONS

- 2014 - Alaska research/publication featured on the October cover of *Lithosphere*.
- 2013 - Alaska/NSF research featured in June issue of Research Media's *International Innovation – North America Edition*
- 2012–2013 - Lilly Teaching Fellow, Office of the Provost and Office of Faculty and Organizational Development (FOD), Michigan State Univ.
- 2012 - UAE research/publication featured on March cover of *Quaternary Research*.
- 2010 - Alaska research/publication featured on August (inside) cover of *Tectonics*.
- Lorena V. Blinn Endowed Teaching Award, Center for Integrative Studies in General Science, Michigan State Univ.
- 2009 - Research group project/student featured on December cover of *AAPG Explorer*.
- 2006 - Outstanding Graduate Student Award, Purdue Univ.
- 2005 - Advanced Graduate Teaching Certificate, Center for Instructional Excellence (CIE), Purdue Univ.
- 2004 - Nominated for Purdue Teaching Academy, Office of the Provost, Purdue Univ.
- Nominated for Teaching Excellence Award, Office of the Provost, Purdue Univ.
- 2003 - John T. Dillon Alaska Research Award (for outstanding research proposal), Geological Society of America.
- Outstanding Teaching Assistant Award, Office of the Provost, Purdue Univ.
- Linda Horn Memorial Scholarship, Purdue Univ.
- Donald W. Levandowski Geologic Mapping Scholarship, Purdue Univ.
- Cedric J. Newby Geophysics Scholarship, Purdue Univ.
- 1999 - Shell Petroleum Industry Scholarship, Louisiana State Univ.
- 1997 - Graduation with Honors in Geology, Pacific Lutheran Univ.

GRANTS & CONTRACTS (awarded/funded)

- (12) *Tracking the Siberian–Laurentian detrital transition in the Farewell terrane, southwestern Alaska* – NSF-EAR (Tectonics; #1119550) – duration: **2011–2014**; award: **\$116,397** – (100% to B. Hampton).
- (11) *Applying virtual field modules to bridge knowledge gaps between classroom concepts and real-world application* – MSU Lilly Teaching Fellowship awarded through the Office of the Provost – duration: **2012–2013**; award: **\$14,000** – (100% to B. Hampton).
- (10) *The Sands of Mars III – Honors Research Seminar* – MSU Honors College duration: **2012–2013**; request: **\$3000** – (Co-PI with M. Velbel).
- (9) *The Sands of Mars II – Honors Research Seminar* – MSU Honors College duration: **2011–2012**; award: **\$3000** – (Co-PI with M. Velbel).
- (8) *The Sands of Mars I – Honors Research Seminar* – MSU Honors College duration: **2010–2011**; award: **\$3000** – (Co-PI with M. Velbel).
- (7) *Instructional Instrumentation: Sediment Transport Demonstration Channel* – MSU College of Natural Sciences and Teaching and Learning Environment (TLE); **2008**; award: **\$20,929** – (100% to B. Hampton).
- (6) *Collaborative Education Proposal: Center for Undergraduate Research in Earth System Sciences (CURESS)* – MSU College of Natural Sciences; **2008**; award: **\$10,000** – (Co-PI with J. Libarkin, T. Rooney, and R. van dam).

GRANTS & CONTRACTS (continued)

- (5) *Revised geologic mapping of Upper Triassic–Cretaceous strata in the northwestern Talkeetna Mountains, south-central Alaska* – U.S. Geological Survey-EDMAP, duration: **2003–2004**; award: **\$10,443** – (written by/awarded to B. Hampton through faculty-sponsor Eric Calais).
- (4) GSA – Graduate Student Research Grant Program – **2003**
- (3) GSA – Graduate Student Research Grant Program – **1999**
- (2) AAPG Foundation – Grants-In-Aid (graduate student research) – **1999**
- (1) Sigma Xi – Grants-in-Aid of Research (graduate student research) – **1999**

PROFESSIONAL SERVICE (external to university)

- 2007–present - Reviewer (proposals) – Nat. Sci. Foundation Programs (e.g., NSF-EAR-Tectonics, REU, EAPSI, IRFP, PR); American Chem. Soc. –Petroleum Res. Fund (ACS-PRF); National Science and Engineering Research Council of Canada (NSERC)
- Reviewer (manuscripts) – *Basin Research, Geol. Soc. of America Bull., Geology, Geosphere, Journal of Geology, Journal of Sed. Research, Journal of South American Earth Sciences, Lithosphere*.
- Reviewer (textbooks/special publications) – *European Geosciences Union, Geol. Soc. of America Special Papers, Cengage Learning, Pearson, Prentice Hall*.
- Reviewer (internal reports/abstracts) – U.S. Geological Survey.
- 2014 - Session Chair/Co-Convener – Topical Session 29 *Geological processes that influence the tectonic development and economic resources of the northern North America Cordillera*, Geological Society of America Annual Meeting, Vancouver, CO.
- 2013 - Faculty Rep – Nat. Sci. Foundation *EarthCube* workshop, Salt Lake City, UT.
- Session Chair/Co-Convener – Topical Session 190 *The life and death of mobile belts along the North American Cordillera: Advances in understanding the long-term construction of continental margin*, Geological Society of America Annual Meeting, Denver, CO.
- 2011–2013 - Panelist – Nat. Sci. Foundation (NSF-REU Program)
- 2011 - Session Chair/Co-Convener – Topical Session T9, *Tectonic development of the northern North American Cordillera*, Geological Society of America Annual Meeting, Minneapolis, MN.
- 2011 - Participant/Contributor (White Paper) – Nat. Sci. Foundation, *EarthScope Workshop, Opportunities for EarthScope Sciences in Alaska in anticipation of USArray*, Austin, TX.
- 2007–2010 - Panelist – Nat. Sci. Foundation, (NSF-EAPSI Program)
- 2009 - Session Chair/Co-Convener – Topical Session T70, *Interactions of Tectonics, Climate Change, and Eustasy in the Development of the North American Cordillera*, Geological Society of America Annual Meeting, Portland, OR.
- 2007 - Session Chair/Co-Convener – Topical Session T84, *Active and Ancient Tectonics along the Northern Cordillera Margin – Magmatism, Deformation, Metamorphism, and Basin Development*, Geological Society of America Annual Meeting, Denver, CO.

INVITED SPEAKING ENGAGEMENTS & TV/RADIO/WEB APPEARANCES

- 2014
 - Alaska research featured on Las Cruces *KRWG Public Radio* (12/23/14) and in the *Deming Headlight* (11/27/14) and *Las Cruces Sun-News* (11/17/14)
 - New Mexico Institute of Min. and Tech. (Dept. of Earth & Environ. Sciences)
 - University of New Mexico (Dept. of Earth & Planetary Sciences)
- 2013
 - University of Texas - El Paso (Dept. of Geological Sciences)
 - Western Washington University (Geology Department)
 - New Mexico State University (Dept. of Geological Sciences)
- 2012
 - Western Michigan Univ. (Dept. of Geosciences and MGRRE)
 - Michigan State Univ., Distinguished Lecture Series (Dept. of Geological Sciences)
- 2011
 - Michigan State Univ. (Dept. of Geography)
- 2010
 - Michigan Public Radio – The Environment Report (Ann Arbor, MI)
- 2009
 - Kingman Museum, Year of Science – Geosciences and Planet Earth Talk
- 2008
 - Michigan Tech Univ. (Dept. of Geological and Mining Engineering)
 - Western Michigan Univ. (Dept. of Geosciences and MGRRE)
 - Michigan Basin Geological Society
- 2005
 - ExxonMobil (North America Exploration Company)
 - Chevron Inc. (Gulf of Mexico Deepwater Exploration Team)
 - Purdue Alumni Advisory Board (Dept. of Earth & Atmospheric Sciences)
 - Indiana Univ.-Fourth Annual D.O.G.S Research Day Symposium
 - ExxonMobil exploration workshop-“Collisional basins of southern Alaska”
- 2001
 - BP (Greater Prudhoe Bay Production Group)
- 1999
 - Conoco-Philips (Advanced Exploration Organization)

PROFESSIONAL AFFILIATIONS & MEMBERSHIPS

- American Geophysical Union (AGU)
- American Assoc. of Petroleum Geologist (AAPG)
- Geological Society of America (GSA)
- International Assoc. of Sedimentologists (IAS)
- New Mexico Geological Soc. (NMGS)
- Society for Sedimentary Geology (SEPM)

CURRENT UNIVERSITY TEACHING RESPONSIBILITIES

- GEOL 111G: *Survey of Geology* (ugrad; enrollment: 75–125)
- HON 219G: *Earth, Time, and Life* (ugrad-honors; enrollment: 15–20)
 - Includes multiple off-campus field trips
- GEOL 305V: *Fossils and the Evolution of Life* (ugrad; enrollment: 50–65)
- GEOL 420: *Stratigraphy & Sedimentology* (ugrad; enrollment: 15–25)
 - Includes multiple off-campus field trips
- GEOL 478/578: *Petroleum Systems & Stratigraphic Concepts* (ugrad/grad; enrollment: 20–30)
 - Includes multiple off-campus field trips
- GEOL 495: *Geology Field Camp* (ugrad; enrollment: 15–20)
 - Multi-week, off-campus field course
- GEOL 534: *Tectonics & Basin Analysis* (grad; enrollment: 10–15)
 - Includes multiple off-campus field trips

GRADUATE STUDENT MENTORSHIP

- (7) Ryan H. Creitz (CURRENT – expected graduation, August 2017), *Sedimentology and provenance of Eocene volcanoclastic strata in southern New Mexico*, M.S. Thesis, New Mexico State Univ.
- (6) Cody J. Stopka (CURRENT – expected graduation, August 2016), *Provenance and sediment dispersal trends from Upper Cretaceous strata of the Sevier foreland basin in southern New Mexico*, M.S. Thesis, New Mexico State Univ.
- (5) Mark J. Brown (CURRENT – expected graduation, August 2015), *Sedimentology, stratigraphy, and provenance of Mesoproterozoic strata of the Grenville orogeny and Keweenawan Supergroup*, M.S. Thesis, New Mexico State Univ.
- (4) Kraig J. Koroleski (GRADUATED in 2014 – now employed as a geologist with Echo Energy, LLC., Oklahoma City, OK), *Early Silurian to Early Devonian stratigraphic history and provenance of rocks in the Farewell terrane, southwestern Alaska*, M.S. Thesis, New Mexico State Univ. 309 p.
- (3) Jeremy J. Boothroyd (GRADUATED in 2012 – now employed as a geologist with SandRidge Energy, Inc., Oklahoma City, OK), *Carboniferous provenance trends from clastic strata of the Michigan Basin*, 2012, M.S. Thesis, Michigan State Univ., 189 p.
- (2) Matthew A. Malkowski (GRADUATED in 2010 – now pursuing Ph.D. at Stanford Univ.), *Late Paleozoic provenance and stratigraphic history of the Farewell terrane, southwestern Alaska*, 2010, M.S. Thesis, Michigan State Univ., 156 p.
- (1) Jennifer L. DeLoge (GRADUATED in 2009 – now employed as a geologist with Shell, Houston, TX) *Sedimentology and stratigraphy of Upper Triassic carbonate and clastic strata of the Chulitna terrane, Alaska Range, south-central Alaska*, 2009, M.S. Thesis, Michigan State Univ., 115 p.

UNDERGRADUATE STUDENT MENTORSHIP

- (7) Charles Neligh (CURRENT) – *U-Pb detrital zircon geochronology from Upper Cretaceous strata of the northern Talkeetna Mountains, Southern Alaska* – New Mexico State. Univ.
- (6) Aiman Shahpurwala (GRADUATED in 2013) - *A sedimentary provenance approach to better understanding the Penokean orogeny, northern Michigan*. – Mich. State. Univ.
- (5) Nicole Hart (GRADUATED in 2012) - *Insights on provenance and sediment dispersal during the middle- and late-stage development of the Midcontinent Rift system: U-Pb detrital zircon geochronology of the Keweenawan Supergroup*. – Mich. State. Univ.
- (4) Cody Macdonald (GRADUATED in 2012) - *Preliminary U-Pb detrital zircon ages from upper Paleozoic strata of the Farewell terrane, southwestern Alaska: Testing for a Siberian versus North American tectonic origin*. – Mich. State. Univ.
- (3) Kraig Koroleski (GRADUATED in 2012) - *Applying U-Pb detrital geochronology to constrain provenance and thermal history of Precambrian (Archean) metasedimentary strata from the Great Lakes Tectonic Zone, northern Michigan*. – Mich. State. Univ.
- (2) Ben Johnson (GRADUATED in 2010) - *Stream length gradient response to active structural deformation in northeastern Russia*. – Mich. State. Univ.
- (1) Michael Ackerson (GRADUATED in 2008) *Stratigraphic history and geochemical analysis of Triassic–Jurassic volcanic rocks in the Alaska Range, south-central Alaska*. – Mich. State. Univ.

ONGOING & EMERGING RESEARCH PROJECTS

- ***Early Cenozoic, pre-rift basin development in the Southwestern US***: Basin development and sediment dispersal during the late stages of the Laramide orogeny; provenance of Eocene andesitic volcanoclastic strata in southern New Mexico.
- ***Cretaceous basin development in the North American Cordillera***: Provenance and climate trends during the late stages of island-arc accretion in North American Cordillera, south-central Alaska. Sediment dispersal in the Sevier foreland basin of southern New Mexico;
- ***Paleozoic–Mesozoic accretionary history of southern Alaska***: Mid-Late Paleozoic basin development and exhumation along the margin of the Arctic basin, Farewell terrane, southwest Alaska; Permian–Triassic stratigraphy of the Chulitna terrane, south-central Alaska.
- ***Precambrian and Late Paleozoic tectonic history of the US Midcontinent***: Provenance of Mississippian–Pennsylvanian strata of the Michigan basin and implications for late Paleozoic paleodrainage networks in eastern North America; Detrital record of sediment dispersal and basin evolution during the mid- and late-stage development of the Midcontinent Rift System.

PEER-REVIEWED PUBLICATIONS (* denotes student author)

- (10) Amato, J.M., Toro, J., Akinin V.V., **Hampton, B.A.**, Salnikov, A.S., and Tuchkova, M., 2015, Tectonic evolution of the Mesozoic South Anyui suture zone, eastern Russia: A critical component of paleogeographic reconstructions of the Arctic region, *Geosphere*, v. 11, no. 5, p. 1–34, doi:10.1130/GES01165.1.
- (9) *Malkowski, M.A. and **Hampton, B.A.**, 2014, Sedimentology, U-Pb detrital geochronology, and Hf isotopic analyses from Mississippian–lower Permian stratigraphy of the Farewell terrane (Mystic subterrane), SW Alaska, *Lithosphere*, v. 6, p. 383–398, doi:10.1130/L365.1
- (8) Wood, W.W., Bailey, R.M., **Hampton, B.A.**, Kraemer, T.F., Clark, D.W., Lu, Z., Clark, D.W., James, R., and Ramadan, K., 2012, Rapid late Pleistocene/Holocene uplift and coastal evolution of the southern Arabian (Persian) Gulf, *Quaternary Research*, v. 77, p.215–220, doi:10.1016/j.yqres.2011.10.088.
- (7) **Hampton, B.A.**, Ridgway, K.D., Gehrels, G.E., 2010, A detrital record of Mesozoic island arc accretion and exhumation in the North American Cordillera: U-Pb geochronology of the Kahiltna assemblage, southern Alaska, *Tectonics* v. 29, TC4015, doi:10.1029/2009TC002544.
- (6) Mackey, K.G., **Hampton, B.A.**, Fujita, K., Koz'min, B.M., Shibaev, S.V., and Gunbina, L.V., 2008, Field studies of active fault zones in eastern Russia, in Malovichko, A.A., ed., *Seismicity of Northern Eurasia: Geophysical Survey Russian Academy of Sciences, Obninsk*, p. 200–204.
- (5) **Hampton, B.A.**, Ridgway, K.D., O'Neill, J.M., Gehrels, G.E., Schmidt, J.M., and Blodgett, R.B., 2007, Pre-, syn-, and post-collisional stratigraphic framework and provenance of Upper Triassic–Upper Cretaceous strata in the northwestern Talkeetna Mountains, Alaska, in Ridgway, K.D., Trop, J.M., Glen, J., and O'Neill, J.M., eds., *Tectonic Growth of a Collisional Continental Margin: Crustal Evolution of Southern Alaska: Geological Society of America Special Paper 431*, p. 401–438, doi: 10.1130/2007.2431(16).
- (4) **Hampton, B.A.**, and Horton, B.K., 2007, Sheetflow fluvial processes in a rapidly subsiding basin, Altiplano plateau, Bolivia, *Sedimentology*, v.54, p. 1121–1147, doi: 10.1111/1.1365-3091.2007.00875.x.

PEER-REVIEWED PUBLICATIONS (continued)

- (3) **Hampton, B.A.** , Horton, B.K., Fink, R.J., and LaReau, B.N., **2003**, Paleogene basin development and synorogenic sedimentation in the Altiplano plateau, southwest Bolivia: *Revista Técnica de Yacimientos Petrolíferos Fiscales Boliviano s*, v. 21, p. 229–234.
- (2) Horton, B.K., **Hampton, B.A.**, LaReau, B.N., and Baldellon, E., **2002**, Tertiary provenance history of the northern and central Altiplano (central Andes, Bolivia): A detrital record of plateau-margin tectonics: *Journal of Sedimentary Research*, v. 72, p. 711–726, doi: 10.1306/020702720711.
- (1) Horton, B.K., **Hampton, B.A.**, and Waanders, G., **2001**, Paleogene synorogenic deposits in the Altiplano and implications for early uplift history of the Central Andes, *Geological Society of America Bulletin*, v. 113, p. 1387–1400, doi: 10.1130/00167606(2001)113<1387:PSSITA>2.0.CO;2.

PEER-REVIEWED ABSTRACTS (* denotes student author/presenter)

- (46) *Stopka, C.J, **Hampton B.A.**, and Mack, G.H., **2015**, New sedimentology and provenance from Upper Cretaceous strata in southern New Mexico: Implications for sediment dispersal along the southern margin of the Sevier foreland basin, *AAPG Annual Convention, Abstracts with Programs*.
- (45) Thomas, W.A., Gehrels, G.E., **Hampton B.A.**, and Romero-Armenta, M.C., **2015**, Detrital zircon populations and Mississippian–Permian sediment dispersal pathways in eastern Laurentia, *Geological Society of America, Abstracts with Programs*, v. 47, p. 82.
- (44) Ridgway, K.D., Trop, J.M., Cole, R.B., **Hampton B.A.**, Kalbas, J.L., Brennan, P., Finzel, E.S., Benowitz, J. and Allen, W.K., **2015**, Sedimentary record of Mesozoic and Cenozoic tectonic development of southern Alaska: Exploring some of Dwight Bradley's geologic "black holes", *Geological Society of America, Abstracts with Programs*, v. 47, p.9.
- (43) Toro, J., Amato, J.M., Akinin, V.V., Neisri, P., **Hampton B.A.**, and Tuchkova, M.I., **2015**, Tectonic evolution of the Mesozoic south Anyui suture zone, eastern Russia: A critical component of paleogeographic reconstructions of the Arctic region, *Geological Society of America, Abstracts with Programs*, v. 47, p.2.
- (42) *Brown, M.J, and **Hampton B.A.**, **2014**, Sedimentology, stratigraphy, and provenance of Mesoproterozoic strata of the Keweenaw Supergroup within the Midcontinent Rift System, northern Michigan, *Geological Society of America, Abstracts with Programs*, v. 46, p. 354.
- (41) *Koroleski, K.J., and **Hampton B.A.**, **2014**, Silurian to Early Devonian stratigraphic history and provenance of the Farewell terrane, southwestern Alaska, *Geological Society of America, Abstracts with Programs*, v. 46, p. 781.
- (40) Tominaga, M., Beinlich, A., **Hampton B.A.**, Lima, E., Weiss, B.P., and Harigane, Y. **2014**, Multi-scale magnetic footprint of serpentinite carbonation: Implications for geophysical monitoring of in situ geological CO₂ sequestration, *Geological Society of America, Abstracts with Programs*, v. 46, p. 402.
- (39) **Hampton B.A.**, *Koroleski, K.J., and *Malkowski, M.A., **2013**, Comparative provenance approaches for constraining trends in exhumation, sediment dispersal, and paleogeography from upper Paleozoic strata of the Farewell terrane, SW Alaska, *Geological Society of America, Abstracts with Programs*, v. 45, p. 165.

PEER-REVIEWED ABSTRACTS (continued)

- (38) *Shahpurwala, A, *Hart, N.R., and **Hampton B.A., 2012**, Provenance constraints from the Keweenawan Supergroup: Implications for exhumation and sediment dispersal during the middle- and late-stage development of the Midcontinent Rift System, *Geological Society of America, Abstracts with Programs*, v. 44, p. 283.
- (37) *Koroleski, K.J., *MacDonald, C.J., and **Hampton, B.A., 2012**, Provenance constraints on erosion, exhumation, and sediment dispersal from upper Paleozoic strata of the Farewell terrane, SW Alaska, *Geological Society of America, Abstracts with Programs*, v. 44, p. 284.
- (36) **Hampton, B.A.**, *DeLoge, J., and *Malkowski, M.A., **2011**, Provenance and basin development during the early Mesozoic evolution of the Chulitna terrane: Implications for Stikinia backarc relicts in the Alaska Range suture zone?, *Geological Society of America, Abstracts with Programs*, v. 43, p. 438.
- (35) *Boothroyd, J. J., **Hampton, B.A.**, Velbel, M.A., and Fujita, K., **2011**, Preliminary provenance trends from upper Paleozoic strata of the Michigan basin: Implications for continent-scale sediment dispersal across eastern North America, *Geological Society of America, Abstracts with Programs*, v. 43, p. 42.
- (34) Velbel, M.A., *Graham, E.E., *Foote, K.R., *Tang, H.S., *Pecchia, A.G., *Smith, J.H., *Letchford, J.K., and **Hampton, B.A., 2011**, Grain shape analysis of sand- and silt-size sediment at the Phoenix Mars Lander site from images acquired by the Phoenix Optical Microscope, *42nd Lunar and Planetary Science Conference*, abstracts, p. 1516-1517.
- (33) **Hampton, B.A.**, *Malkowski, M.A., Bradley, D.C., Fujita, K., and O'Sullivan, P.B., **2010**, Tracing trends in erosion and exhumation during the Middle–Late Paleozoic tectonic evolution of the Farewell terrane, SW Alaska, *Eos, Transactions American Geophysical Union*.
- (32) *Johnson, B.G., **Hampton, B.A.**, Fujita, K., and Mackey, K.G., **2010**, Active tectonics of the Chersky fold and thrust belt, NE Russia, from fluvial geomorphology, *Eos, Transactions American Geophysical Union*.
- (31) Balakrishnan, A., Rice-Snow, S., and **Hampton, B.A., 2010**, Applying comparative fractal analysis to infer origin and process in channels on Earth and Mars, *Eos, Transactions American Geophysical Union*
- (30) Ridgway, K.D, Brennan, P., Kalbas, J.L., **Hampton, B.A.**, and Gehrels, G.E., **2010**, Regional Mesozoic basin development across southern Alaska: Stratigraphic links and detrital zircon tracers, *Geological Society of America, Abstracts with Programs*, v. 42, p. 675.
- (29) *Malkowski, M.A., **Hampton, B.A.**, Bradley, D.C., and Gehrels, G.E., **2010**, New provenance constraint from Upper Paleozoic strata of the Farewell terrane, southwestern Alaska, *Geological Society of America, Abstracts with Programs*, v. 42, p. 46.
- (28) *Johnson, B.G., Mackey, K.G., **Hampton, B.A.**, Fujita, K., *MacDonald, C., and *Malkowski, M.A., **2009**, Stream length gradient response to active structural deformation in northeastern Russia, *Eos, Transactions American Geophysical Union*.

PEER-REVIEWED ABSTRACTS (continued)

- (27) **Hampton, B.A.**, *Malkowski, M.A., and *DeLoge, J., 2009, Comparison and tentative correlation of Devonian–Triassic strata across tectonic terrane boundaries along the Denali fault, Alaska Range, southern Alaska, *Geological Society of America Abstracts with Programs*, v. 41, p. 301.
- (26) *Malkowski, M.A., and **Hampton, B.A.**, 2009, Late Paleozoic stratigraphic history and provenance of the Farewell terrane, southwestern Alaska, *Geological Society of America Abstracts with Programs*, v. 41, p. 301.
- (25) Mooney, P.R., Roeske, S., and **Hampton, B.A.**, 2009, Detrital zircon geochronology of the Upper Jurassic–Cretaceous Kahiltna assemblage in the Clearwater Mountains, south-central Alaska, *Geological Society of America Abstracts with Programs*, v. 41, p. 303.
- (24) *Malkowski, M.A., **Hampton, B.A.**, and Bradley D.C., 2009, New provenance findings from the Farewell terrane, SW Alaska, *Geological Society of America Abstracts with Programs*, GSA Penrose Meeting, *Tectonic Development of the Amerasia Basin*.
- (23) **Hampton, B.A.**, 2009, Oblique convergence as a driving mechanism for protracted exhumation, basin development, and along-strike sedimentation during island arc collision: A case study from southern Alaska, *AAPG Annual Convention, Abstracts with Programs (INVITED)*.
- (22) **Hampton, B.A.**, and Sunderlin, D., 2008, Provenance and paleoflora of the Cretaceous Caribou Pass Formation, south-central Alaska: Development of a collisional foreland in the final stages of island arc accretion, *Geological Society of America Abstracts with Programs*, v. 40, p. 156.
- (21) *DeLoge, J., and **Hampton, B.A.**, 2008, Stratigraphy and provenance of Upper Triassic red bed units of the Chulitna terrane, south-central Alaska: Implications for sedimentation prior to island arc collision, *Geological Society of America Abstracts with Programs*, v. 40, p. 166.
- (20) Mackey, K.G., **Hampton, B.A.**, Fujita, K, Kurtkin, S., and Gunbina, L, 2007, Active faulting along the Ulakhan fault, Seimchan basin, northeastern Russia, *Eos, Transactions American Geophysical Union*.
- (19) **Hampton, B.A.**, Ridgway, K.D., and Gehrels, G.E., 2007, U-Pb detrital zircon age data from Upper Triassic strata of the Chulitna terrane, south-central Alaska: A preliminary link with the western margin of North America, *Geological Society of America Abstracts with Programs*.
- (18) Ridgway, K.D., Trop, J.M., **Hampton, B.A.**, Kalbas, J.L., George Gehrels, and Landis, P, 2007, Mesozoic and Cenozoic tectonic growth of southern Alaska: A sedimentary basin perspective, *Ores and Orogenesis symposium Abstracts with Programs (INVITED)*.
- (17) Altekruise, J.M., Mange, M.A., Roeske, S.M., and **Hampton, B.A.**, 2006, Heavy mineral provenance and structural history of three Late Jurassic to Cretaceous sedimentary basins in the Alaska Range suture zone, south-central Alaska, *Geological Society of America Abstracts with Programs*, v. 38-7, p. 370.
- (16) **Hampton, B.A.**, Ridgway, K.D., O'Neill, J.M., and Gehrels, G.E., 2006, Regional Upper Triassic–Cretaceous stratigraphy along the northern margin of Wrangellia, southern Alaska: Implications for a shared history of basin development in the Alaska Range suture zone, *Geological Society of America Abstracts with Programs*, v. 38-5, p. 92 (**INVITED**).

PEER-REVIEWED ABSTRACTS (continued)

- (15) Altekruise, J.M., Mange, M.A., **Hampton, B.A.**, and Roeske, S., **2006**, A structural and heavy mineral provenance study of Late Triassic to Cretaceous sedimentary sections in the Alaska Range suture zone, south-central Alaska: Preliminary results, *Geological Society of America Abstract with Programs*, v. 38-5, p. 21.
- (14) **Hampton, B.A.**, Ridgway, K.D., and Gehrels, G.E., **2005**, Detrital zircon record of the configuration and evolution of the Alaska Range suture zone, south-central Alaska, *Geological Society of America Abstracts with Programs*, v. 37-7, p. 81.
- (13) **Hampton, B.A.**, Ridgway, K.D., Gehrels, G.E., and Landis, P., **2005**, Changes in basin configuration during arc-continent collisions: an example from Mesozoic strata of south-central Alaska, *Geological Society of America Abstracts with Programs*, v. 37-7, p. 440 (**INVITED**).
- (12) Trop, J.M., **Hampton, B.A.**, Ridgway, K.D., and Gehrels, G.E., **2005**, Latest Cretaceous sedimentary record of forearc-arc-retroarc relationships in south-central Alaska, *Geological Society of America Abstracts with Programs*, v. 37-7, p. 81.
- (11) Ridgway, K.D., Trop, J.M., **Hampton, B.A.**, and Kalbas, J.L., **2005**, Mesozoic–Cenozoic sedimentary record of arc accretion to the continental margin of south-central Alaska, *Geological Society of America Abstracts with Programs*, v. 37-7, p.80.
- (10) **Hampton, B.A.**, Ridgway, K.D. and Gehrels, G.E., **2005**, A detrital record and stratigraphic history of arc-continent collision from the inboard margin of the Wrangellia island arc: New constraints from the Alaska Range suture zone, south-central Alaska, *Geological Society of America Abstracts with Programs*, GSA Penrose Meeting, *Lessons in Tectonics, Climate and Eustasy from the Stratigraphic Record in Arc Collision Zones*.
- (9) Roeske, S.M., **Hampton B.A.**, Ridgway, K.D., and Gehrels, G.E., **2005**, Cryptic strike-slip faults and dismembered ophiolites – Potential tracers of the Alaska Range suture zone, *Geological Society of America, Abstracts with Programs*, v. 37-4. p. 80.
- (8) **Hampton, B.A.**, Ridgway, K.D., O'Neill, M.J., Blodgett, R.B., and Gutenkunst, M.L., **2003**, Stratigraphy, provenance, and tectonic significance of newly-defined Mesozoic strata in the northwestern Talkeetna Mountains, *Geological Society of America Abstracts with Programs* , v. 35-6, p. 559.
- (7) **Hampton, B.A.** , Ridgway, K. D., O'Neill, M.J., and Blodgett, R.B., **2003** , New findings on the stratigraphy and paleontology of the Northwestern Talkeetna Mountains: Implications for regional stratigraphic correlation and collision of Wrangellia, *Geological Society of America Abstracts with Programs*.
- (6) **Hampton, B.A.**, and Horton, B.K., **2001**, Long-term rapid accommodation recorded by a 7-km-thick fluvial succession, mid Tertiary Altiplano basin, central Andes, in J.A. Mason, R.F. Diffendal, Jr., and R.M. Joeckel, eds., *Program with Abstracts, Seventh International Conference on Fluvial Sedimentology-IAS* , *Open- File Report, Conservation and Survey Division, University of Nebraska-Lincoln*, p. 118.
- (5) Horton, B.K., **Hampton, B.A.**, and Waanders, G., **2001**, Initial foreland basin development in the central Andes, Bolivia: *Eos, Transactions, American Geophysical Union*, v. 82, p. 1161.
- (4) **Hampton, B.A.** , and Horton, B.K., **2000**, Tertiary Synorogenic Deposits of the North-Central Altiplano Plateau, Bolivia: Implications for Erosional History of the Central Andes: *Eos, Transactions, American Geophysical Union*, v. 81, p. 1136.

PEER-REVIEWED ABSTRACTS (continued)

- (3) **Hampton, B.A.**, and Horton, B.K., 2000, Late Eocene-Oligocene fluvial deposystems in the north-central Altiplano plateau, Corque syncline, Bolivia, *AAPG Annual Convention Abstracts with Programs*, p. A63.
- (2) Horton, B.K. and **Hampton, B.A.**, 2000 Revised Age of Tertiary foreland basin deposits in the Bolivian Altiplano plateau and implications for subsidence history, *AAPG Annual Convention, Abstracts with Programs*, p. A69.
- (1) **Hampton, B.A.** , 1999, Stratigraphic History and Structural Evolution of the Corocoro-Corque Syncline, Western Bolivia, *AAPG Foundation Grants-in-aid Abstracts, AAPG bulletin* , v. 83, p. 1886.

DISSERTATION & THESIS

- Hampton, B.A.**, 2006, Stratigraphic framework and detrital history of Upper Triassic–Cretaceous strata in the northwestern Talkeetna Mountains, southern Alaska: A preserved record of arc accretion along a continental margin **Ph.D. Dissertation**, Purdue University, West Lafayette, Indiana, 289 p.
- Hampton, B.A.**, 2002, Early–Middle Tertiary Deposition in the Corque Syncline, Altiplano Plateau, Bolivia: **M.S. Thesis**, Louisiana State University, Baton Rouge, Louisiana, 124 p.