

Michael A. Murphy

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Education

B.S. Geology, University of California, Los Angeles 1993
M.S. Geology, University of California, Los Angeles 1997
Ph.D. Geology, University of California, Los Angeles 2000

Professional Experience

2008 - Convener, Geological Society of America Special Session entitled Spatial and temporal evolution of transform faults
2008 to present – Associate Professor at the University of Houston, Department of Geosciences
2007 - Convener, American Geophysical Union Special Session entitled Surface Processes, Crustal Rheology, or Regional Geology: What Controls the Structural Architecture of Convergent Continental Orogens?
2003 to present – Structural Geology Consultant for ExxonMobil, Petroleum Geo-services, HRT America
2002-2008 – Assistant Professor at the University of Houston, Department of Geosciences
2000-2002 - Visiting/Research Assistant Professor at the University of Houston, Department of Geosciences
2002 – Convener, Geological Society of America National Meeting, Special session on the steady state nature of continent-continent collisions
1999 – Convener, American Geophysical Union Fall Meeting Special Session on the thermal structure of the Himalaya-Tibet lithosphere

Professional Affiliations

American Geophysical Union, Geological Society of America, Houston Geological Society

Research Interests

I conduct research on the origin, development, and deformation history of the continental crust. My research is broadly aimed at understanding two processes that have and continue to shape the history of the Earth, Intercontinental collision and Continental break-up. I interpret deformation histories and the petrogenesis of rocks involved in these processes through the integration of regional geologic mapping, structural analysis, and satellite image analysis with kinematic modeling and geochronologic and tracer isotope data.

Publications

Gilbert, E., Krueger, A., and **M.A. Murphy**, 2011, The Barreirinhas, Equatorial Brazil: Pitfalls of “Structural Styles” Analysis in Frontier basins: Houston Geological Society Bulletin, v. 53, p. 29-31.
Tomlinson, D.W., Copeland, P., **Murphy, M.A.**, Lapen, T.J., Oligocene shortening in the little Burro Mountains of southwest, New Mexico: *in review at Rocky Mountain Geology*.
McCallister, A.M., Taylor M.H., **Murphy, M.A.**, Styron, R., Stockli, D., and Kapp, P., Thermochronologic constraints on the late Cenozoic exhumation history of Gurla Mandhata, southwest Tibet: *in review at Tectonics*.
Wang, S., **Murphy, M.A.**, Phillips, R.J., Wang, C., 2013, Reply to Comment on “Displacement along the Karakoram fault, NW Himalaya, estimated from LA-

- ICPMS U-Pb dating of offset geologic markers” published by Leloup et al. in *EPSL*, 2012”: *Earth and Planetary Science Letters*, v.363, p. 246-248.
- Krueger, A., **M.A., Murphy**, Gilbert, O.E., and Burke, K., 2012, Deposition and deformation in Deepwater sediments of the offshore Barreirinhas basin, Brazil: *Geosphere*, doi:10.1130/GES00805.1
- Sanchez, V.I., **Murphy, M.A.**, Robinson, A.C., Lapen, T.J., Heizler, M.T., 2013, Tectonic evolution of the India-Asia suture zone since Middle Eocene time, Lopukangri area, south-central Tibet; *Journal of Asian Earth Sciences*, v. 62, p. 205-220.
- Wang, S., Wang, C., Phillips, R. J., **Murphy, M. A.**, Fang, X., Yue, Y., 2012, Displacement along the Karakoram fault, NW Himalaya, estimated from LA-ICP-MS U-Pb dating of offset geologic markers: *Earth and Planetary Science Letters*, v. 337-338, p. 156-163.
- Zhang, R., **Murphy, M.A.**, Lapen, T.J., Sanchez, V., Heizler, M., 2011, Late Eocene crustal thickening followed by Early-Late Oligocene Extension along the India-Asia suture zone: Evidence for cyclicity in the Himalayan orogen: *Geosphere*, v.7, p 1249-1268; doi: 10.1130/GES00643.1.
- Gilbert, E., Krueger, A., and **M.A. Murphy**, 2011, The Barreirinhas, Equatorial Brazil: Pitfalls of “Structural Styles” Analysis in Frontier basins: *Houston Geological Society Bulletin*, v. 53, p. 29-31.
- Styron, R., Taylor, M.H., **Murphy, M.A.**, 2011, Oblique convergence, arc-parallel extension, and the role of strike-slip faulting in the High Himalaya: *Geosphere*, v.7, p. 1-15, doi: 10.1130/GES00606.1
- Copeland, P., **Murphy, M.A.**, Dupre, W.R., Lapen, T.J., 2011, Oligocene Laramide deformation in southern New Mexico and its implications for Farallon plate geodynamics: *Geosphere*, v.7, p. 1209-1219, doi: 10.1130/GES00672.1
- Murphy, M.A.**, Sanchez, V., Taylor, M.H., 2010, Syn collisional extension along the India-Asia suture zone, south-central Tibet: Implications for crustal deformation of Tibet: *Earth and Planetary Science Letters*, doi:10.1016/j.epsl.2009.11.046.
- Copeland, P., **Murphy, M.A.**, and Dupre, W.R., 2010, Geologic map and cross-sections of the Silver City range, Grant County, New Mexico: Open-file report – 524, New Mexico Bureau of Geology and Mineral Resources.
- Zhang, R., **Murphy, M.A.**, Lapen, T.J., Sanchez, V., and Heizler, M., 2010, Late Eocene crustal thickening followed by Early-Late Oligocene extension along the India-Asia suture zone: Evidence for cyclicity in the Himalayan orogen, *in* Leech, M.L., et al., eds., *Proceedings of the 25th Himalaya-Karakoram-Tibet Workshop: U.S. Geological Survey Open-File Report 2010–1099*, 2 p., <http://pubs.usgs.gov/of/2010/1099/zhangmurphy/>.
- Ojha, T., DeCelles, P.G., Quade, J., Gehrels, G., Kapp, P., Wissler, C., Robinson, D.M. and **Murphy, M.A.**, 2010, Role of GIS in Geological Data Interpretation, Map Making and Data Storage: A Case Study from the Nepal Himalaya, *in* Leech, M.L., and others, eds., *Proceedings for the 25th Himalaya-Karakoram-Tibet Workshop: U.S. Geological Survey, Open-File Report 2010-1099*
- Saylor, J., P. DeCelles, G. Gehrels, **M. Murphy**, R. Zhang, P. Kapp, 2010, Basin formation in the High Himalaya by arc-parallel extension and tectonic damming: Zhada basin, southwestern Tibet, *Tectonics*, 29, TC1004, doi:10.1029/2008TC002390.
- Sanchez, V., **Murphy, M.A.**, Dupre, W.R., Ding, L., Zhang, R., 2010, Structural evolution of the Neogene Gar basin, western Tibet: Implications for releasing bend development and drainage patterns; *Geological Society of America Bulletin*, doi: 10.1130/B26566.1.
- Murphy, M.A.**, Saylor, J.E., Ling, D., 2009, Landscape evolution of southwest Tibet based on integrated paleoelevation reconstructions and structural history: *Earth and Planetary Science Letters*, v. 282, p. 1-9.
- Murphy, M. A.**, 2007, Isotopic characteristics of the Gurla Mandhata metamorphic core complex: Implications for the architecture of the Himalayan orogen: *Geology*, v., 35, p. 983-986.

- Murphy, M. A.**, and Burgess, W. P., 2006, Geometry, kinematics, and landscape characteristics of an active transtension zone, Karakoram fault system, southwest Tibet: *Journal of Structural Geology*, v. 28, p. 268-283.
- Zhou, Y., **Murphy, M. A.**, Hamade, A., 2006, Structural development of the Peregrina-Huizachal anticlinorium, Mexico: *Journal of Structural Geology*, v. 28, p. 494-507.
- Murphy, M. A.**, and Copeland, P., 2005, Transtensional deformation in the central Himalaya and its role in accommodating growth of the Himalayan orogen: *Tectonics*, 24, DOI: 10.1029/2004TC001659.
- Zhou, H.-W., and **Murphy, M. A.**, 2005, Tomographic evidence for wholesale underthrusting of India beneath the entire Tibetan plateau. *Journal of Asian Earth Sciences*, v. 25, p. 445-457.
- Murphy, M.A.**, and Yin, A., 2003, Sequence of thrusting in the Tethyan fold-thrust belt and Indus-Yalu suture zone, southwest Tibet: *Geological Society of America Bulletin*, v. 115, p. 21-34.
- Kapp, P., **Murphy, M. A.**, Yin, A., Harrison, T. M., Lin, D., and Guo, J., 2003, Mesozoic and Cenozoic tectonic evolution of the Shiquanhe area of western Tibet: *Tectonics*, 21, doi: 10.1029/2001TC001332.
- Murphy, M.A.**, Yin, A., Kapp, P., Harrison, T.M., and Manning, C. E., 2002, Structural and thermal evolution of the Gurla Mandhata metamorphic core complex, southwest Tibet: *Geological Society of America*, v. 114, p. 428-447.
- Zhou, H. W., **Murphy, M.A.**, Lin Q L., 2002, Tomographic imaging of the Tibet and Surrounding region: Evidence for wholesale underthrusting of Indian slab beneath the Tibetan Plateau. *Earth Science Frontiers (in Chinese)*, v.49, n.4, p. 285-292.
- Deng, X.G., Ding, L., Liu, X.H., Yin, A., Kapp, P.A., **Murphy, M.A.**, and Manning C.E., 2002, Geochemical characteristics of the blueschists and its tectonic significance in the central Qiangtang area, Tibet: *Acta Petrologica Sinica*, v. 18, p. 517-525.
- Murphy, M. A.**, Yin, A., Kapp, P., Harrison, T. M., Lin, D., Guo, J., 2000, Southward Propagation of the Karakoram fault system into southwest Tibet: timing and magnitude of slip: *Geology*, v.28, p. 451-454.
- Kapp, P., Yin, A., Manning, C. E., **Murphy, M.**, Harrison, T. M., Spurlin, M., Lin, D., Xi-Guang, D., and Cun-Ming, W., 2000, Blueschist-bearing metamorphic core complexes in the Qiangtang block reveal deep crustal structure of northern Tibet, *Geology*, v. 28, p. 19-22.
- Yin, A., Kapp, P., **Murphy, M.**, Manning, C. E., Harrison, T. M., Din, L., Xiguang, D., Chunming, W., 1999, Significant late Neogene east-west extension in north Tibet, *Geology*, v. 27, p.787-790.
- Murphy, M. A.**, and T. M. Harrison, 1999, Relationship between leucogranites and the Qomolangma detachment in the Rongbuk valley, south Tibet, *Geology*, v. 27, p. 831-834.
- Yin, A., Harrison, T. M., **Murphy, M.**, Grove, M., Nie, S., Ryerson, F. J., Wang, X., Chen, Z., 1999, Tertiary deformation history of southeastern and southwestern Tibet during the Indo-Asian collision, *Geological Society of America Bulletin*, v. 111, p. 1644-1664.
- Murphy, M. A.**, Yin, A., and Harrison, T. M., 1999, Did the Indo-Asian collision alone create the Tibetan plateau?: Reply, *Geology*, v. 27, p. 285-286.
- Axen, G. J., Fletcher, J. M., Cowgill, E., **Murphy, M.**, Kapp, P., MacMillan, I., Ramos-Velazquez, E., Aranda-Gomez, J., 1999, Range-front fault scarps of the Sierra El Mayor, Baja California: formed above an active low-angle normal fault? *Geology*, v. 27, p. 247-250.

Murphy, M. A., Yin, A., Harrison, T. M., Durr, S. B., Chen, Z., Ryerson, F. J., Kidd, W. S. F., Wang, X., Zhou, X., 1997, Did the Indo-Asian collision alone create the Tibetan plateau?: *Geology*, v. 25, p. 719-722.

Ingersoll, R. V., Craig, P.A., Geslin, J.K., Hathaway, G.M., Holland, K.S., Large, E.A., **Murphy, M.A.**, Rumelhart, P. E., 1992, Guidebook to the Mesozoic convergent margin of central California, University of California, Los Angeles, 53 p.

Grants

Small Grant Program, University of Houston; Investigation of sedimentary basin development during the transition from Cenozoic crustal shortening to extension in New Mexico
Amount - \$2,940; Duration – 12 months: 2011-2012.
Murphy (PI)

Grants to Enhance Academic Research, University of Houston; Investigation of Active Faulting in the High Himalaya: Testing models of intercontinental collision
Amount - \$24,250; Duration – 12 months: 2010-2011
Murphy (PI)

NSF-EAR 0824967; Acquisition of a Multiple-Collector Inductively-Coupled Plasma Mass Spectrometer
Amount - \$269,650
Tom Lapen (PI) John Casey (Co-PI), Mike Murphy (Co-PI), Jon Snow (Co-PI)

NSF-EAR 0711527; Investigation of the deformation history of the India-Asia suture zone, Lopukangri Rift, south-central Tibet
Amount - \$299,829; Duration – 36 months (2007-2010)
Mike Murphy (PI), Tom Lapen (Co-PI), Alex Robinson (Co-PI)

Grant to Enhance Academic Research, University of Houston; Investigation of the deformation history of the India-Asia suture zone, Lopukangri Rift, south-central Tibet
Amount - \$24,424; Duration 12 months: 2007-2008
Mike Murphy (PI), Tom Lapen (Co-PI)

NSF-EAR 0707088; Supplement: Collaborative Research: Investigation of Syncollisional Extension and Basin Development in the High Himalaya
Amount - \$20,470; Duration – 12 months (2007-2008)
Mike Murphy (PI)

NSF-EAR 0438826; Collaborative Research: Investigation of Syncollisional Extension and Basin Development in the High Himalaya
Total Amount funded (\$470,000), \$170,730 (UH portion); Duration – 36 months (2005-2008)
Mike Murphy (UH-PI) and Peter Decelles (UA-PI), Jay Quade, and Paul Kapp (University of Arizona – Co-PIs)

NSF-EAR 0106808; Geological investigation of the juncture between the western and southern margins of the Tibetan plateau
Amount - \$231,366; Duration – 36 months (2002-2005)
Mike Murphy (PI) and Peter Copeland (Co-PI)

Grant to Enhance Academic Research, University of Houston; Geologic investigation of the juncture between the western and southern margins of the Tibetan plateau

Amount - \$20,733; Duration 12 months: 2002-2003
Peter Copeland (PI) and Mike Murphy (Co-PI)

American Chemical Society - Petroleum Research Fund (39884-G8); Amount - \$35,000 Duration – 24 months; 2003-2005
Investigation of the boundary between structurally distinct curvature domains, Sierra Madre Oriental fold-thrust belt
Mike Murphy (PI)

Grant to Enhance Academic Research, University of Houston; Investigation of the factors controlling map-view curve geometries, Sierra Madre Oriental fold-thrust belt
Amount - \$15,430.00; Duration – 12 months; 2003-2004
Mike Murphy (PI) and Stuart Hall (Co-PI)

NSF-EAR-Tectonics; Collaborative Research: The structural Style, duration, and paleoelevation of the Laramide orogeny in the SW New Mexico and SE Arizona
Amount - \$312, 831; Duration 36 months: 2012-2015
Peter Copeland (PI) and Mike Murphy (Co-PI) PENDING

Teaching Recognition

2010 – Recipient of the John Butler Teaching Excellence Award

2011 – Recipient of the University of Houston Teaching Excellence Provost Core Award

Courses Taught

2000 to 2012 – Physical Geology (GEOL 1330)

2001, 2003, 2005, 2008, 2010, 2012 – Advanced Structural Geology (GEOL 6350)*

2002, 2004, 2006, 2009, 2011, 2012 – Field Methods (GEOL 3340)

2003, 2005- Structural Geology (GEOL 3345)

2005, 2007, 2009 – Advanced Structural Geology for Petroleum geologists*

2002, 2004, 2006-2011 – Field Geology (GEOL 3355)

2001-2010 - Seminar in Structural Geology & Tectonics (GEOL 6397)

* *New course I developed at UH.*

Current Graduate Students (Primary Advisor)

- Ana Krueger (Ph.D.) structural and tectonic evolution of the Brazilian passive margin, north coast of Brazil
- Thomas Baltz (M.S.) Structural evolution of the Thakkhola graben, central Nepal
- James Stutz (M.S.) Investigation of crustal shortening in the High Himalaya of western Central Nepal.
- Zachary Wolfe (M.S.) Structural evolution of the Sierra Madre Oriental fold belt
- Calvin Silver (M.S.) Investigation of active faulting in the High Himalaya of central Nepal
- Laura Unverzagt (M.S.) Investigation of active strike-slip faulting in the Madura island region, Indonesia
- Jason Kegel (M.S.) Investigation of the Tertiary Abiquiu and Ritito formations on the northern side of the Jemez Mountains and Nacimiento range, New Mexico.
- Kevin Hall (M.S.) Structural and stratigraphic investigation of the Green's Canyon area, Gulf of Mexico.
- Kevin O'Keefe (M.S.) Investigation of factors controlling the architecture of the Canones fault zone, North-Central New Mexico.

Degrees Earned (Primary Advisor)

- Veronica Sanchez (Ph.D.) – Geologic history of the India-Asia suture zone, south-central Tibet (Now an Assistant Professor at College of the Mainland)
- Ekaterina, Akhmetzhanova - Strain distribution, fault growth and temporal patterns in the Stratton Field, South Texas, Gulf of Mexico (M.S. Geophysics '11, now at Chevron (Houston))
- Carley Freer – Monocline development in north-central New Mexico: implications for normal fault reactivation (M.S. Geology '10, now at Microseismic Corp.)
- Nathan Bedford – Structural evolution of the Chalk Draw half-graben, west Texas (M.S. Geology '09, now at El Paso Energy).
- Jared Hamilton- Low-temperature thermal history of the Brazos uplift, New Mexico (M.S. Geology '09, now at Marathon Oil Corp.)
- Dr. Ran Zhang – Tectonic evolution of the Aiyi shan, western Tibet: Implications for the cyclic nature of orogenesis (Ph.D. Geology '09; now at Shell Oil Corp.)
- Raquel Hicks – Structural evolution of the Canones fault, New Mexico: Implications for the development of fault transfer zones (M.S. Geology '08; now at Chesapeake Energy)
- Dr. Zhou Yong – Structural Evolution of the Sierra Madre Oriental, East Central Mexico (Ph.D. Geology '06; Now at Veritas DGC Inc.)
- Ali Hamade – Structural Evolution of the Eastern Sierra Madre Oriental: Role of Basement Structures in Fold-Thrust Development (M.S. Geophysics '06; Now at ExxonMobil)
- Veronica Sanchez – Structural Evolution of the Gar Basin, Western Tibet: Implications for the development of releasing bend basins (M.S. Geology '07; pursuing a Ph.D. at UH)
- W. Paul Burgess – Geometry and Kinematics of Recent Deformation of the Himalayan Hinterland, Southwest Tibet and northwest Nepal (B.S. Senior Honors thesis, '04; Now at UCLA)
- Zachary Wolfe - Cenozoic Crustal Shortening of the Lhasa Block, Southern Tibet (B.S. Senior Thesis, '07; Now at Paradigm)

Research Committee Member

Pedram Zarian (M.S. Geology '03)
Saleh Al-Dossary (Ph.D. Geophysics '04)
Warren Duncan (Ph.D. Geology '06)
Bo Zhou (Ph.D. Geophysics '07)
Tae Hyeong Lee (M.S. Geophysics '07)
Hao Guo (Ph.D. Geophysics '07)
Eric Blankenship (M.S. '11)
Armando Altimira (Ph.D. 2009)
Leigh Owens (M.S. '11)
Neda Bungalo (Ph.D. '07)
Kamran Zahid (M.S. '07)
Chang Tzu-Chien (Ph.D. in progress)
Paul Davis (M.S. '10)
Daniel Imrecke (M.S.'10)
Kellen Springer (2010)

Jarratt Kelso (M.S. 2010)
Doyle Adams (M.S. 2011)
Donald Tomlinson (M.S. in progress)
Tzu-Chien Chang (M.S. 2011)
Raphael Espodo (M.S. in progress)

Carlos Javier Sanchez PhD (in progress)

Rocio Bernal PhD (in progress)

Orietta Mata (MS in progress)

Fanjin Meng (MS in progress)

Service

2011 – NSM college teaching excellence award committee
2011 – Remote-sensing search committee
2011 – Keynote Speaker at the Texas Outdoor Leadership Conference, 2011
2010 – *Participant at "Future directions for NSF-sponsored geoscience research in the Himalaya/Tibet", Tiburon, CA*
2010 – Structural Geology-Tectonics Search Committee (*Chair*)
2010 – Rock Physics Search Committee

2009-present Yellowstone Bighorn Research Association Council – non-profit science education organization.

2009-present – Structure and Tectonics Division Head – University of Houston

2009-present UH-YBRA Field Camp Director

2009-2011 – Department of Earth and Atmospheric Sciences Personnel Committee

2006-2007 – Ph.D. (Geophysics) Examining Committee

2005-2006, 2010 – Ph.D. (Geology) Examining Committee

2000-2007 – Faculty Supervisor for Geosociety and SEG –University of Houston, two very active student geology clubs at UH (www.geosc.uh.edu/geosociety). The clubs organizes (1) student research day at UH, (2) multiple day fieldtrips, and (3) community service events

2005-2010 – UH, College Faculty Development Leave Committee

2004 – UH, Department of Geosciences Materials Committee

2004-2005 - UH, Department of Geosciences Mineralogy/Petrology Search Committee

2005-2006 – UH, Department of Geosciences Structure/Tectonics Search Committee (*Chair*)

2000 – Judge for student presentations at Fall American Geophysical Meeting

2000-2005 – *Manuscript/Proposal Reviewer* NSF, Geology, Journal of Asian Earth Sciences, Earth & Planetary Science Letters, Tectonics, Palaeogeography, Palaeoclimatology, Palaeoecology (P³), Geological Society of London Bulletin, Geological Society of London Special Publications; Geological Society of America Bulletin, Geological Society of America Special Publications; Geosphere, Journal of Geophysical Research

Invited talks

University of Texas Institute of Geophysics, 2006	University of Arizona, 2004
University of Kansas, 2005	Oklahoma State University, 2004
Anadarko Petroleum Corporation, 2001	University of California, Los Angeles, 2007
GSA National Meeting, 2002	Louisiana State University, 2005
University of Texas, Austin, 2002	Rice University, 2005
University of Texas, El Paso, 2008	Texas Tech University, 2010
University of Tennessee, Knoxville, 2011	Keynote Address at Texas Outdoor Leadership Conference, 2011
Houston Geological Society, International 2011	

Fieldtrips

FIELD COURSE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
University Geology Student Organization (Geosociety) 2 weeks*										
Grand Canyon, Basin & Range (AZ, NV, UT)		X			X					
Sierra Nevada & Mojave Desert						X				
Rocky Mountains & Rio Grande Rift				X			X			
Ouachita Mountains (AR)										X
Central Texas (1-2 day)	X	X	X	X	X	X		X		X
Northeast Mexico (1 week)	X									
West Texas (1 week)		X	X		X	X	X	X		X
Field Geology Camp (2.5 weeks)§	X		X		X	X	X	X	X	X
Field Research Mentoring (Graduate/Undergraduate)										
Nepal (40 days)	X	X					X	X	X	X
Tibet (60 days)			X		X					
New Mexico (7 days)				X		X	X	X		
Northeast Mexico (3 weeks)	X	X								
West Texas (1 week)				X						

* Extracurricular fieldtrip

§ Additional summer teaching in New Mexico

Meeting Abstracts (2000-2010)

- Van Wijk, J., Adams, D., and Murphy, M.A., 2011, Evolution of pull-apart basins, AGU Fall meeting, Invited talk.
- Imrecke, D., Robinson, A., and Murphy, M.A., 2010, Control by pre-existing structures on the southeast directed propagation and termination of the Chalk Draw fault, Trans-Pecos Texas: Geological Society of America Abstract Volume.
- DeCelles, P.G., Kapp, P., Quade, J., Gehrels, G.E., Murphy, M.A., 2010, Oligo-Miocene basins in central Tibet and along the Indus suture: records of plateau evolution and dynamics of subducting Indian continental crust: 25th Himalayan-Karakoram-Tibet Workshop, San Francisco.
- T. Ojha, P. G. DeCelles, J. Quade, George Gehrels, P. Kapp, Craig Wissler, D. M. Robinson, M. A. Murphy, 2010, Role of GIS in Geological Data Interpretation, Map Making and Data Storage: A Case Study from Nepal Himalaya: 25th Himalayan-Karakoram-Tibet Workshop, San Francisco.
- Zhang, R., Murphy, M.A., Lapen, T.J., and Sanchez, V., 2010, Early Oligocene shortening followed by Late Oligocene extension along the India-Asia suture zone: Implications for cyclicity in the Himalaya: 25th Himalayan-Karakoram-Tibet Workshop, San Francisco.
- Murphy, M.A., Sanchez, V., Baltz, T., 2009, Along-strike variations in syncollisional extension in the Himalayas and southern Tibet: AGU Fall Meeting, San Francisco.
- Freer, C., Hamilton, J., Murphy, M.A., 2009, Investigation of Laramide deformation in north-central New Mexico and its role in guiding Miocene extension: AGU Fall Meeting, San Francisco.

- Baltz, T., and Murphy, M.A., 2009, Structural evolution of the Thakkhola Graben: AGU Fall Meeting, San Francisco.
- Copeland, P., Murphy, M.A., Dupre, W.R., Lapen, T.J., 2009, Oligocene Laramide deformation in southern New Mexico and its implications for Farallon plate dynamics: Geological Society of America National Meeting, Portland.
- Styron, R., Taylor, M., Murphy, M., 2009. Himalayan orogen-parallel extension from GPS geodesy and structural geology. The 5th International Symposium on Tibetan Plateau / The 24th Himalaya-Karakorum-Tibet Workshop, Beijing, China. August 11-14.
- Sanchez, V., Taylor, M., Murphy, M., 2008, Neotectonics of the Lopukangri fault system using remote-sensing observations, Fall AGU Meeting, San Francisco.
- Taylor, M., and Murphy, M., 2008, Active orogen parallel strike-slip faulting in the lower Dolpa region, Northwest Nepal: Implications for expansion of the Himalayan arc. Fall AGU Meeting, San Francisco.
- Ramage, J., Murphy, Michael., M.A., and Blankenship, E.L., 2008 , Structural evolution of the Sangre De Cristo range, south-central Colorado. GSA National Meeting.
- Murphy, M.A., 2007, Controls on the architecture of the Sierra Madre Oriental fold-thrust belt: AGU Fall Meeting, San Francisco.
- Taylor, M.H., Kapp, P.A., Stockli, D.F, Murphy, M.A., Dewane, T., 2007, Structural observations from the Tangra Yum Co, Lungar shan, and Lopukangri rift systems, southern Tibet: AGU Annual meeting, San Francisco.
- Huff, P.L., Murphy, M.A., Blankenship, E., Hicks, R., 2007, Sedimentary and structural history of the basal member of the Abiquiu Formation: Implications for Cenozoic landscape evolution of Northern New Mexico: AGU annual meeting, San Francisco.
- Blankenship, E., Bhattacharya, J.P., and Murphy, M., 2007, Gravitational Collapse of Flood-Dominated Mouth-Bars in the “Notom Delta” of the Upper Cretaceous, Ferron Sandstone Member, Utah: AAPG Annual meeting
- Murphy, M.A., and Taylor, M.H., 2006, Geometry and kinematics of the Lopukangri rift: implications for internal deformation of the Tibet-Himalayan orogen; AGU Fall meeting, San Francisco.
- Sanchez, V., Murphy, M.A., Zhang, R., and Dupre, W., 2006, Structural Evolution of the Southern Gar Valley Pull-Apart Basin, Western Tibet; AGU Fall meeting, San Francisco.
- Zhang, R., Murphy, M.A., Sanchez, V., 2006, Structural evolution of the Ayishan detachment: implications for the deformation of the Indus-Yalu suture zone; AGU Fall meeting, San Francisco.
- Hicks, R., and Murphy, M.A., 2006, Structural evolution of the Abiquiu embayment, Rio Grande Rift: Implications for the development of transfer zones; AGU Fall meeting, San Francisco.
- Hamade, A., Murphy, M.A., and Hall, S., 2006, Structural Evolution of the Eastern Sierra Madre Oriental: The Role of Basement Structures in Fold-Thrust Development: AGU Fall meeting, San Francisco.
- C. H. Blumentritt, K. J. Marfurt, and M. Murphy, 2006, Fault Propagation Folding Along the Margins of the Central Basin Platform, West Texas; AAPG annual meeting
- Guo, H., Sullivan, C., Marfurt, K., and Murphy, M., 2006, Using seismic attributes to unravel complex fault tectonics in the Fort Worth basin: AAPG Annual Meeting.
- Zhou, Y., Murphy, M.A., and Hamade, A., 2004, Controls on the development of contrasting curve geometries in the central Sierra Madre Oriental fold-thrust belt, Mexico; GSA National Meeting, Denver.
- Hamade, A., Murphy, M.A., Hall, S. A., and Zhou, Y., 2004, Controls on structural styles in the eastern Sierra Madre Oriental; GSA National Meeting, Denver.

- Murphy, M. A., Copeland, P., and Burgess, P., 2003, Orogen-parallel extension as expressed by the development of gneiss domes: An example from the Himalaya: GSA National meeting Seattle.
- Burgess, P., and Murphy, M. A., 2003, Active faulting along the southern segment of the Karakoram fault system: GSA National meeting Seattle.
- Serrano, I., Lacazette, A., Blumentritt, C., Sullivan, E. C., Marfurt, K., and Murphy, M. A., 2003, Unraveling structural development and fracture distribution at Dollarhide field, West Texas with new seismic attribute images: GSA National Meeting, Seattle.
- Murphy, M.A., Orogen-parallel extension as expressed by gneiss domes: An example from the Himalayan orogen: 2002 Geological Society of America National Meeting, Denver (Invited Talk)
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