CURRICULUM VITAE

Kirk D. McIntosh

ADDRESS

Institute for Geophysics
Jackson School of Geosciences
The University of Texas at Austin
10100 Burnet Rd., ROC-196, (R2200)
Austin, Texas 78758-4445
512-471-0480
kirk@ig.utexas.edu

EDUCATION

B.Sc.	Colorado School of Mines, 1980, Geophysical Engineering
Ph.D.	University of California, Santa Cruz, 1992, Earth Sciences

PROFESSIONAL POSITIONS

2014-	Senior Research Scientist, UTIG, University of Texas, Austin.
2010-	Lecturer, Jackson School of Geosciences, University of Texas, Austin.
1999-14	Research Scientist, Institute for Geophysics, University of Texas, Austin.
1992-99	Research Associate, Institute for Geophysics, University of Texas, Austin.
1987-92	Graduate Research Assistant, University of California, Santa Cruz.
1987-91	Teaching Assistant, University of California, Santa Cruz.
1980-86	Exploration Geophysicist, Atlantic Richfield Co.

GEOLOGICAL AND GEOPHYSICAL EXPERIENCE:

RECENT PROJECTS

M/V *Strong* 2011	Co-Chief scientist on Mississippi river MCS project.
R/V *Marcus Langseth* 2011	Co-chief scientist on CRISP 3-D MCS cruise offshore Costa Rica.
M/V *Strong* 2010	Co-Chief scientist on Mississippi river MCS project.
R/V *Marcus Langseth* 2009	Chief or Co-chief Scientist on Legs 2 and 4 of the TAIGER crustal-scale seismic project offshore Taiwan, S. China Sea, Phil. Sea (more than 60 days of marine acquisition).

M/V *Strong* 2008	Co-Chief Scientist on high-resolution seismic project on the central Mississippi River.
R/V *Melville* 2008	Chief Sci. on Broadband OBS recovery and deployment cruise off Taiwan and NE South China Sea.
R/V *Ocean Researcher I* 2007	Co-Chief Sci. on broadband OBS cruise off Taiwan. We deployed 10 broadband OBSs offshore southern and eastern Taiwan to record regional and teleseismic earthquakes.
Mozorola (ferry) and *Morrito* (river transport) 2006	Chief Sci. on geophysical survey of lakes Managua and Nicaragua. We recorded high-resolution MCS, 3.5 kHz sub-bottom profiler data, and sidescan sonar data in an effort to map primary fault patterns in the lakes and link to regional tectonics.
R/V *Maurice Ewing* 2004	Co-Chief Sci. on high-resolution MCS cruise off Central America. We recorded > 4600 km of MCS data to map the sequence stratigraphy offshore Nicaragua and Costa Rica. The focus was on records of vertical tectonics and evidence for or against eustatic forcing in stratigraphic development.
R/V *Maurice Ewing* 2004	Co-Chief Sci. on MCS/OBS cruise to Blanco Transform. We recorded MCS and OBS data to map the position of the oceanic crustal layer 2A/2B boundary adjacent to subsea outcrops at the margins of the Blanco Transform, offshore Oregon.
R/V *Maurice Ewing* 2003	Co-Chief Sci. on MCS/OBS cruise to Hess Deep and EPR. We recorded MCS and OBS data to map the position of the oceanic crustal layer 2A/2B boundary adjacent to subsea outcrops at the margins of the Hess Deep.
R/V *Maurice Ewing* 2000	Chief Scientist on MCS/OBH cruise off the Pacific margin of Nicaragua and Costa Rica. We recorded ~2500 km of MCS and ~600 km of OBH data. Additional data were recorded by land instruments.

COMMUNITY SERVICE:

Proposed, organized and co-convened special sessions at the fall AGU meetings focused on Taiwan and the South China Sea in 2011 and 2012.

Member of the UNOLS Regional Class Technical Advisory team, which will aid in the design and build processes of new regional class research vessels for UNOLS (2006-2009).

Member of the Ocean Drilling Program Site Survey Panel (2001-2004) and Chair of the Data Bank Working Group (SSP subgroup in 2004)

Participated in the NSF Marine Geology and Geophysics proposal evaluation panel (May 2001)

Reviewed manuscripts for numerous journals: Nature, Journal of Geophysical Research, Geophysical Research Letters, Tectonophysics, Tectonics, Geologische Rundshau, Geophysical Journal International, Earth and Planetary Science Letters, Marine Geophysical Research, G-Cubed, Earth, Planets, and Space, Geology, Geospheres.

Guest Editor: Marine Geophys. Research (2011-2013)
Guest Editor: Journal of Marine and Petroleum Geology (2013-2014).
Reviewed numerous proposals to the National Science Foundation.

Served on UTIG "Innovation and Opportunity Program" seed-proposal evaluation panel
Member of UTIG Fellowship committee for student support
Member of the Jackson School Marine Geoscience Theme Executive committee

UT STUDENTS CO-SUPERVISED

Daniel Eakin	2009 - 2014	Ph.D.
Ryan Lester	2008 - 2013	Ph.D.
Stephen Graf	2010 - 2012	M.Sc.
Shannon Cavanaugh	2010 - 2012	M.Sc.
Justin Funk	2005 - 2007	M.Sc.
Chaoshun Hu	2005 - 2008	Ph.D.
Jason Stephens	2004 - 2014	Ph.D.
Imtiaz Ahmed	1999 - 2003	Ph.D.
Farouk Akbar	1994 - 1999	Ph.D.

TEACHING EXPERIENCE

Since Fall 2010 I have co-taught the seminar course "Topics in Marine Geology and Geophysics" with colleague Nick Hayman.

Instructor for the University of Texas Marine Geology and Geophysics Field course May-June 2014.

RECENT INVITED LECTURES

South China Sea Institute of Oceanology, Chinese Academy of Sciences, Guangzhou, China 23 November 20153, "Synthesis of TAIGER project results on the Taiwan arc-continent collision and insights for the northeastern South China Sea"

SEISMIX 16th International Symposium, Barcelona, Spain, 12-17 October 2014, Keynote presentation: "TAIGER crustal imaging results from the Taiwan Arc-Continent Collision".

King Abdullah University of Science and Technology (KAUST), 19-20 November 2013, International Workshop on Seismic Interferometry: Crust, Mantle, and Core, "OBS data and seismic interferometry: Advantages, limitations, and possible application to determine Red Sea crustal structure"

University of Texas Institute for Geophysics Seminar, 13 September 2013
"The Transition from Subduction to Arc-Continent Collision: How it Works in Taiwan"

South China Sea Institute of Oceanology, Chinese Academy of Sciences, Guangzhou, China IODP workshop, 19 September 2013, “TAIGER PROJECT results and possible drilling targets in the northeast part of the South China Sea”

Qingdao Institute of Oceanology, Chinese Academy of Sciences, Qingdao, China International Symposium on Tectonics of the western Pacific, 23 May 2013, “Inversion of a hyper-extended rifted margin in the southern Central Range of Taiwan (Results from the TAIGER Project)”

2012 IRIS Workshop, Boise, Idaho, 12 June 2012, Invited segment of OBS short course, “Using OBSs in active source experiments”

Tongji University, Shanghai, China, IODP South China Sea Workshop, 31 January, 2012, “Structure of the Northeastern South China Sea: Implications for rifting processes and its relation to the Taiwan Orogeny”

Ecole Normale Superieure, Paris, France, Special South China Sea GRI meeting, 12-13 October 2011, “Overview of the TAIGER Project: Subduction to Arc-Continent Collision in the vicinity of Taiwan”

Manizales, Colombia, Penrose Conference: Neotectonics of Arc-Continent Collision, 17-21 January 2011, “Subduction to Arc-Continent Collision in the vicinity of Taiwan: Early results from the TAIGER Project”

PUBLICATIONS:
PAPERS

Van Avendonk, H. J. A., H. Kuo-Chen, K. D. McIntosh, L. L. Lavier, D. A. Okaya, F. T. Wu, C. Y. Wang, C. S. Lee, and C. S. Liu, 2014, Deep crustal structure of an arc-continent collision: Constraints from seismic travel times in central Taiwan and the Philippine Sea, J. Geophys. Res. Solid Earth, in press, doi:10.1002/2014JB011327.

Bangs, N. L., K. D. McIntosh, E. A. Silver, J. W. Kluesner, and C. R. Ranero, 2015, Fluid accumulation along the Costa Rica subduction thrust and development of the seismogenic zone, *J. Geophys. Res. Solid Earth*, *120*, 67-86, doi:10.1002/2014JB011265.

Eakin, D. H., K. D. McIntosh, H. J. A. Van Avendonk, and L. Lavier, 2015, New geophysical constraints on a failed subduction initiation: The structure and potential evolution of the Gagua Ridge and Huatung Basin, *Geochem. Geophys. Geosyst.*, *16*, 380-400, doi:10.1002/2014GC005548.

Hao, Y., K. McIntosh, and M. Magnani, 2015, Long-lived deformation in the southern Mississippi Embayment revealed by high-resolution seismic reflection and sub-bottom profiler data, *Tectonics*, *34*, 555-570, doi:10.1002/2014TC003750.

Gao, J., S. Wu, K. McIntosh, L. Mi, B. Yao, Z. Chen, and L. Jia, 2015, The continent-ocean transition at the mid-northern margin of the South China Sea, *Tectonophysics*, *654*, 1-19, http://dx.doi.org/10.1016/j.tecto.2015.03.003.

Van Avendonk, H.J.A., H. Kuo-Chen, K.D. McIntosh, L.L. Lavier, D.A. Okaya, F.T. Wu, C.Y. Wang, C.S. Lee, and C.S. Liu, 2014, Deep crustal structure of an arc-continent collision: Constraints from seismic travel times in central Taiwan and the Philippine Sea, *J. Geophys. Res. Solid Earth*, DOI: 10.1002/2014JB011327.

Guo, L., M. B. Magnani, K. McIntosh, and B. Waldron, 2014, Quaternary deformation and fault structure in the Northern Mississippi Embayment as imaged by near-surface seismic reflection data, *Tectonics*, *33*, 807-823, doi:10.1002/2013TC003464.

Wu, F.T., Y. Kuo-Chen, K.D. McIntosh, 2014, Subsurface imaging, TAIGER experiments and tectonic models of Taiwan, *Journal of Asian Earth Sciences*, http://dx.doi.org/10.1016/j.jseaes.2014.03.024.

McIntosh, K., L. Lavier, H. van Avendonk, R. Lester, D. Eakin, and C.-S. Liu, 2014, Crustal structure and inferred rifting processes in the northeast South China Sea, *Marine and Petroleum Geology*, http://dx.doi.org/10.1016/j.marpetgeo.2014.03.012.

Lester, W. R., H. van Avendonk, K. McIntosh, L. Lavier, C.-S. Liu, T.-K. Wang, and F. Wu, 2014, Rifting and magmatism in the northeastern South China Sea from wide-angle tomography and seismic reflection imaging, *Journal of Geophysical Research Solid Earth*, *119*, doi:10.1002/2013JB010639.

Eakin, D., K. McIntosh, H. van Avendonk, L. Lavier, R. Lester, C.-S. Liu, and C.-S. Lee, 2014, Crustal-scale seismic profiles across the Manila subduction zone: the transition from intra-oceanic subduction to incipient collision, *Journal of Geophysical Research Solid Earth*, *119*,doi: 10.1002/2013JB010395.

McIntosh, K., H. van Avendonk, L Lavier, R. Lester, D. Eakin, F. Wu, C.-S. Liu, and C.-S. Lee, 2013, Inversion of a hyper-extended rifted margin in the southern Central Range of Taiwan, *Geology* 41, 871-874, doi:10.1130/G34402.1.

Lester, R., K. McIntosh, H. van Avendonk, L. Lavier, C.-S. Liu, and T.-K. Wang, 2013, Crustal accretion in the Manila trench accretionary wedge at the transition from subduction to mountain-building in Taiwan, *Earth and Planetary Science Letters* 375, 430-440, http://dx.doi.org/10.1016/j.epsl.2013.06.007.

Sallares, V., A. Melendez, M. Prada, C. R. Ranero, K. McIntosh, and I. Grevemeyer, 2013, Overriding plate structure of the Nicaragua convergent margin: Relationship to the seismogenic zone of the 1992 tsunami earthquake, *Geochem. Geophys. Geosyst*, doi: 10.1002/ggge.20214.

Hao, Y., M. B. Magnani, K. McIntosh, B. Waldron, and L. Guo, 2013, Quaternary deformation along the Meeman-Shelby Fault near Memphis, Tennessee, imaged by high-resolution marine and land seismic reflection profiles, *Tectonics* 32, 1-15, doi:10.1002/tect.20042.

Kluesner, J.W., E.A. Silver, N. L. Bangs, K. D. McIntosh, J. Gibson, D. Orange, C. R. Ranero, and R. von Huene, 2013, High Density of Structurally-Controlled, Shallow to Deep Water Fluid Seeps Imaged Offshore Costa Rica, *Geochem. Geophys. Geosyst*, *14*, doi:10.1002/ggge.20058.

Bharadwaj, P., X. Wang, G. Schuster, and K. McIntosh, 2013, Increasing the number and signal-to-noise ratio of OBS traces with supervirtual refraction interferometry and free-surface multiples, *Geophys. Jour. International* 192, 1070-1084.

McIntosh, K., C.-S. Liu, and C.-S. Lee, 2012, Introduction to the TAIGER special issue of Marine Geophysical Research, Marine Geophys. Res. 33, 285-287.

Lester, R., L. Lavier, K. McIntosh, H. van Avendonk, and F. Wu, 2012, Active extension in Taiwan's precollision zone: A new model of plate bending in continental crust, *Geology*, doi:10.1130/G33142.1.

Lester, R. and K. McIntosh, 2012, Multiple attenuation in crustal-scale imaging: examples from the TAIGER marine reflection data set, *Mar. Geophys. Res.*, DOI 10.1007/s11001-012-9149-1.

Klingelhoefer, F., T. Berthet, S. Lallemand, P. Schnurle, C.-S. Lee, C.-S. Liu, K. McIntosh, and T. Theunissen, 2012, P-wave velocity structure of the southern Ryukyu margin east of Taiwan: Results from the ACTS wide-angle seismic experiment, Tectonophysics, doi:10.1016/j.tecto.2011.10.010.

Christeson, G. L., J. A. Karson, and K. D. McIntosh, 2010, Mapping of seismic layer 2A/2B boundary above the sheeted dike unit at intermediate spreading crust exposed near the Blanco Transform, Geochem. Geophys. Geosyst., 11 Q03015, doi:10.1029/2009GC002864.

Funk, J., P. Mann, K. McIntosh, and J. Stephens, 2009, Cenozoic tectonics of the Nicaraguan depression, Nicaragua, and Median Trough, El Salvador, based on seismic-reflection profiling and remote-sensing data, *Geol. Soc. Am. Bull.*, 121,1491-1521, doi:10.1130/B26428.1.

Ivandic, M., I. Grevemeyer, A. Berhorst, E.R. Flueh, and K. McIntosh, 2008, Impact of bending related faulting on the seismic properties of the incoming oceanic plate offshore of Nicaragua, *J. Geophys. Res., 113*, doi 10.1029/2007JB005291.

Ranero, C. R., I. Grevemeyer, H. Sahling, U. Barckhausen, C. Hensen, K. Wallmann, W. Weinrebe, P. Vannucchi, R. von Huene, and K. D. McIntosh, 2008, Hydrogeological system of erosional convergent margins and its influence on tectonics and interplate seismogenesis, *Geochem. Geophys. Geosyst.*, doi:10.1029/2007GC001679.

Christeson, G. L., K. D. McIntosh, and J. A. Karson, 2007, Inconsistent correlation of seismic layer 2a and lava layer thickness in oceanic crust, *Nature*, 445, 418-421, doi:10.1038.

McIntosh, Kirk D., Eli A. Silver, Imtiaz Ahmed, Arnim Berhorst, Cesar R. Ranero, Robyn K. Kelly, and Ernst R. Flueh, 2007, The Nicaragua Convergent Margin: Seismic Reflection Imaging of the Source of a Tsunami Earthquake, in *The seismogenic zone of subduction thrust faults*, T. Dixon and J.C. Moore eds., Columbia University Press, New York, p. 257-287.

McIntosh, Kirk, Yosio Nakamura, T.-K. Wang, R.-C. Shih, Allen Chen, and C.-S. Liu, 2005, Crustal-Scale Seismic Profiles across Taiwan and the western Philippine Sea, *Tectonophysics*, *401*, 23-54.

Roy, L., M. K. Sen, K. McIntosh, P. Stoffa, and Y. Nakamura, 2005, Joint inversion of first arrival seismic travel-time and gravity data, *Jour. of Geophys. and Engin.*, 2, 277-289, doi:10.1088/1742-2132/2/3/011.

Ranero, C.R., J.P. Morgan, K. McIntosh, C. Reichert, 2003, Bending, faulting and mantle serpentinization at the Middle America trench, *Nature*, 425, 367-373.

Wang, T. K., K. McIntosh, Y. Nakamura, C. S. Liu, and H. W. Chen, 2001, Velocity-interface structure of the southwestern Ryukyu subduction zone from EW9509-1 OBS/MCS data, *Mar. Geoph. Res*., 22, 265-287.

Schnürle, P., T.-H. Hsiuan, T.-K. Wang, K. McIntosh, C.-S. Liu, D. Reed, and Y. Nakamura, 2001, Characteristics of gas hydrate and free gas offshore southwestern Taiwan: Preliminary results from a combined MCS/OBS data analysis, *Petroleum Geol. Taiwan*, 35.

McIntosh, K., F. Akbar, C. Calderon, P. Stoffa, S. Operto, G. Christeson, Y. Nakamura, T. Shipley, E. Flueh, A Stavenhagen, and G. Leandro, 2000, Large aperture seismic imaging at a convergent margin: Techniques and results from the Costa Rica seismogenic zone, *Mar. Geoph. Res*., 21, 451-474.

Christeson, G. L., K. D. McIntosh, and T. H. Shipley, 2000, Seismic attenuation in the Costa Rica margin wedge: Amplitude modeling of ocean bottom hydrophone data, *Earth and Planetary Science Letters*, 179, 391-405.

McIntosh, Kirk D. and Mrinal K. Sen, 2000, Geophysical evidence for dewatering and deformation processes in the ODP Leg 170 area offshore Costa Rica, *Earth and Planetary Science Letters*, 178, 125-138.

Silver, E. A., M. Kastner, A. T. Fisher, J. D. Morris, K. D. McIntosh, and D. M. Saffer, 2000, Fluid flow paths in the Middle America Trench and Costa Rica Margin, *Geology*, 28, 679-682.

Ranero, C. R., R. von Huene, E. R. Flueh, M. Duarte, D. Baca, and K. McIntosh, 2000, A cross section of the convergent Pacific margin of Nicaragua, *Tectonics*, 19, 335-357.

Zelt, C. A., A. M. Hojka, E.R. Flueh, and K. D. McIntosh, 1999, 3D simultaneous seismic refraction and reflection tomography of wide-angle data from the central Chilean margin, *Geophys. Res. Lett.*, 26, 2577-2580.

Christeson, G. L., K. D. McIntosh, T. H. Shipley, E. Flueh, and H. Goedde, 1999, Structure of the Costa Rica convergent margin, offshore Nicoya Peninsula, *J. Geophys. Res.*, 104, 25443-25468.

McIntosh, K. D., and Y. Nakamura, 1998, Crustal Structure Beneath the Nanao Forearc Basin From TAICRUST MCS/OBS Line 14, Terrest., Atmosph. and Oceanic Sci., v. 9, 345-362.

Nakamura, Y., K. McIntosh, and A. T. Chen, 1998, Preliminary Results of a Large Offset Seismic Survey West of Hengchun Peninsula, Southern Taiwan, Terrest., Atmosph. and Oceanic Sci., v. 9, 395-408.

Stavenhagen, A. U., E. R. Flueh, C. Ranero, K. D. McIntosh, T. Shipley, G. Leandro, A. Schulze, and J. J. Danobeitia, 1998, Seismic wide-angle investigations in Costa Rica -A crustal velocity model from the Pacific to the Caribbean coast, Zent. Geol. Paleont., H.3-6, 393-408.

Christeson, G., Y. Nakamura, K. D. McIntosh, and P. L. Stoffa, 1996, Effect of shot interval on ocean bottom seismograph and hydrophone data, *Geophys. Res. Lett.*, 23, 3783-3786.

McIntosh, K. D. and E. A. Silver, 1996, Using 3D seismic reflection data to find fluid seeps from the Costa Rica accretionary prism, *Geophys. Res. Lett.*, 23, 895-898.

McAdoo, B.B., D.L. Orange, E.A. Silver, K.D. McIntosh, L. Abbott, J. Galewsky, L. Kahn, and M. Protti, 1996, Seafloor structural observations, Costa Rica accretionary prism, *Geophys. Res. Lett.*, 23, 883-886.

Silver, E. A., J. Galewski, and K. D. McIntosh, 1995, Variation in Structure, Style, and Driving Mechanism of Adjoining Segments of the North Panama Deformed Belt, *in* Mann, P., ed., Geologic and Tectonic Development of the Caribbean plate boundary in southern Central America, GSA Special Paper 295.

McIntosh, K. D., E. A. Silver, and T.H. Shipley, 1993, Evidence and mechanisms for forearc extension at the accretionary Costa Rica convergent margin, *Tectonics*, 12, 1380-1392.

Shipley, T.H., K. D. McIntosh, E. A. Silver, D. Dean, and P Stoffa, 1992, Three dimensional seismic imaging of the Costa Rica Accretionary Prism: Structural diversity in a small volume of the lower slope, *J. Geophys. Res.*, *97*, 4439-4459.

McIntosh, K. D., D. L. Reed, E. A. Silver, and A. Meltzer, 1991, Deep structure and basin inversion along the central California continental margin from the EDGE seismic profile RU-3, *J. Geophys. Res.*, *96*, 6459-6473.

SELECTED ABSTRACTS

McIntosh, K.D., H.J. Van Avendonk, Daniel Eakin, and Luc Lavier (2014), Is there exhumed sub-continental mantle in the NE South China Sea?, Abstract T31E-08, presented at the AGU 2014 Fall Meeting, San Francisco, 17 December.

McIntosh, K.D., H. Kuo-Chen, H.J. Van Avendonk, L.L. Lavier, F.T. Wu, and D Okaya (2013), Two-dimensional seismic velocity models of southern Taiwan from TAIGER transects, Abstract T21G-05 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-13 Dec.

Bangs, N. L., K. D. McIntosh, E. A. Silver, J. W. Kluesner, and C. R. Ranero (2013), Structural controls on the hydrogeology of the Costa Rica subduction thrust NW of the Osa Peninsula, Abstract T51I-01 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-13 Dec.

Eakin, D.H., L.L. Lavier, K.D. McIntosh, and H.J. Van Avendonk (2013), Origins and evolution of the Gagua Ridge bathymetric feature: A possible example of failed subduction competition with the Manila trench, Abstract T21G-02 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-13 Dec.

Van Avendonk, H.J, H. Kuo-Chen, K.D. McIntosh, L.L. Lavier, F.T. Wu, and D.A. Okaya, (2013), Seismic velocity structure of the Taiwan mountain belt along TAIGER transect T5, Abstract T13C-2549 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-13 Dec.

McIntosh, K.D., H.J. Van Avendonk, L.L. Lavier, R. Lester, D.H. Eakin, and F.T. Wu (2012), Inversion of a hyper-extended rifted margin in the southern Central Range of Taiwan, Presented at 2012 Fall Meeting, Abstract T43G-06.

Lester, W.R., and K.D. McIntosh, L. L. Lavier, and H.J. Van Avendonk (2012), Rift Structure and Distribution of Magmatic Activity of the Southern Chinese Continental Margin Offshore Southern Taiwan from Reflection Imaging, Travel-time Tomography and 1D Thermal Modeling, Presented at 2012 Fall Meeting, Abstract T43B-2656.

Eakin, D.H., K.D. McIntosh, H.J. Van Avendonk, and L.L. Lavier (2012), Milestones in arc-continent collision evolution: The transition from intra-oceanic subduction to incipient collision, Presented at 2012 Fall Meeting, Abstract T43B-2673.

Van Avendonk, H.J, K.D. McIntosh, L.L. Lavier, F.T. Wu, D.A. Okaya, and H. Kuochen (2012), A lithospheric seismic profile across northern Taiwan, from arc-continental collision to extension, Presented at 2012 Fall Meeting, Abstract T23C-2693.

Bangs, N. L., K. D. McIntosh, E. A. Silver, J. W. Kluesner, C. R. Ranero, R. von Huene (2012), Actively dewatering fluid-rich zones along the Costa Rica plate boundary fault, Presented at 2012 Fall Meeting, Abstract T13A-2587.

Graf, S., N.L. Bangs, and K.D. McIntosh (2012), Pore fluid pressure detection within the plate boundary fault interface of the Costa Rica convergent margin using AVO attributes, Presented at 2012 Fall Meeting, Abstract T21C-2586.

M. Magnani, K. D. McIntosh, L. Guo, and Y. Hao (2012), Distribution of long-term Quaternary Deformation and Correlation with Pre-existing Tectonic Structures in the Central US, Presented at 2012 Fall Meeting, Abstract T54D-05.

McIntosh, K.D., H.J. Van Avendonk, L. L. Lavier, W. R. Lester, and D. H. Eakin (2011), Tomographic models of southern Taiwan demonstrate likely evolution of the arc-continent collision, Presented at 2011 Fall Meeting, Abstract T43JA-02.

Eakin, D.H., K.D. McIntosh, and H.J. Van Avendonk (2011), Results of trench perpendicular wide angle seismic transects across the Manila subduction zone offshore southern Taiwan, Presented at 2011 Fall Meeting, Abstract T51G-2435.

Lester, W.R., L. L. Lavier, and K.D. McIntosh (2011), Active extension in Taiwan's pre-collision zone: a new model of plate-bending in continental crust, Presented at 2011 Fall Meeting, Abstract T51G-2437.

Chen, H., K. D. McIntosh, H. J. van Avendonk, P. L. Stoffa, and W. R. Lester (2011), Crustal structure of active margin at offshore Central Taiwan (2011), Presented at 2011 Fall Meeting, Abstract T51G-2444.

Bangs, N. L., K. D. McIntosh, E. A. Silver, C. R. Ranero, J. W. Kluesner, R. von Huene, S. Cavanaugh, S. Graf, A.L. Cameselle, A. M. Baracco, and E. Nunez (2011), Preliminary results of the CRISP 3D seismic experiment, offshore Costa Rica, Presented at 2011 Fall Meeting, Abstract T21B-2336.

Guo, L., M. Magnani, K. D. McIntosh, B. A. Waldron, and D. Meyer (2011), Preliminary interpretation of the major fault zones responsible for the earthquakes that triggered sand liquefaction in southern Mississippi embayment Central U. s. from high-resolution marine seismic reflection data, Presented at 2011 Fall Meeting, Abstract S11B-2230.

M. Magnani, K. D. McIntosh, and L. Guo (2011), Paleotectonic contraol on distribution of long-term deformation in the Central United States from high-resolution seismic data, Presented at 2011 Fall Meeting, Abstract S22A-03.

Schuster, G. T., P. Bharadwaj, and K. McIntosh (2011), Refraction interferometry and free-surface multiples for large-offset OBS data, Presented at 2011 Fall Meeting, Abstract S31F-05

McIntosh, K.D., H.J. Van Avendonk, F.T. Wu, D.A. Okaya, and C. Wang (2010), Results from an onshore/offshore seismic transect of southern Taiwan, Presented at 2010 Fall Meeting, Abstract T51A-2001.

Lester, W.R., K.D. McIntosh, and H.J. Van Avendonk (2010), Crustal-scale Structure of the Eurasian Continental Margin in the Northern South China Sea, Offshore Taiwan from Seismic Reflection and Wide-angle OBS Data, Presented at 2010 Fall Meeting, Abstract T32C-07.

Eakin, D.H., K.D. McIntosh, and H.J. Van Avendonk (2010), Investigation of the crustal structure of the Manila subduction zone offshore southern Taiwan using multi-channel seismic reflection and wide-angle refraction data, Presented at 2010 Fall Meeting, Abstract T51A-1999.

Fave, X.J., M. Magnani, B.A. Waldron, K.D. McIntosh, S. Saustrup, and L. Guo (2010), Pervasive post-Eocene faulting and folding in unconsolidated sediments of the Mississippi River, Central U.S. as imaged by high-resolution CHIRP seismic data, Presented at 2010 Fall Meeting, Abstract T51C-2068.

Guo, L., M. Magnani, K.D. McIntosh, B.A. Waldron, S. Saustrup, and X.J. Fave (2010), Geometry and deformation history of the New Madrid seismic zone fault system, Central U.S. from high-resolution marine seismic reflection data, and implications for intraplate deformation, Presented at 2010 Fall Meeting, Abstract T51C-2053.

Prada, D.M., A. Melendez, V. Sallares, C.R. Ranero, K.D. McIntosh, and I. Grevemeyer (2010), Seismic structure of the Nicaragua convergent margin in the area of the 1992 tsunamigenic slow earthquake from wide-angle (WAS) and multichannel seismic (MCS) data, Presented at 2010 Fall Meeting, Abstract T13A-2180.

Van Avendonk, H.J., W. Lester, K. McIntosh, C. Lee, T.K. Wang, F.T. Wu, and C. Liu (2009), Seismic velocity structure of the Eurasian margin of the southern Taiwan Strait, EOS Trans. AGU, 90 (52) Fall Meet. Suppl., Abstract T41B-2011.