

CURRICULUM VITAE – DAVID MOHRIG

David Mohrig

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ACADEMIC DEGREES:

Ph.D. 1994 Geological Sciences, University of Washington, Seattle, Washington
M.S. 1987 Geological Sciences, University of Washington, Seattle, Washington
B.A. 1983 Geology, Pomona College, Claremont, California (Cum Laude)

PROFESSIONAL APPOINTMENTS:

9/12 – present John E. “Brick” Elliott Centennial Professor in Geological Sciences, Department of Geological Sciences, Jackson School of Geosciences, The University of Texas at Austin
9/11 – present Professor of Geology, Department of Geological Sciences, Jackson School of Geosciences, The University of Texas at Austin, Austin, Texas
8/06 – 9/11 Associate Professor of Geology, Department of Geological Sciences, Jackson School of Geosciences, The University of Texas at Austin, Austin, Texas
7/06 – 8/06 Associate Professor of Geology, Department of Earth, Atmospheric, and Planetary Sciences, Massachusetts Institute of Technology, Cambridge, Massachusetts
6/01 – 7/06 Assistant Professor of Geology, Cecil and Ida Green Career Development Chair, Department of Earth, Atmospheric, and Planetary Sciences, Massachusetts Institute of Technology, Cambridge, Massachusetts
12/96 – 6/01 Senior Research Geologist, Exxon Production Research Company & ExxonMobil Upstream Research Company, Houston, Texas
6/94 – 12/96 Post-Doctoral Associate, Department of Geology and Geophysics and St. Anthony Falls Laboratory, University of Minnesota, Minneapolis, Minnesota

STUDENT ADVISING AND SERVICE:

STUDENT ADVISEES:

<u>Graduate Student</u>	<u>Degree Program</u>	<u>Status</u>	<u>Professional Appointment</u>
<i>Ph.D.</i>			
Jasmine Mason	PhD, DGS, UT-Austin	1 st year	
Travis Swanson	PhD, DGS, UT-Austin	3 rd year	
Yao You (co-chair)	PhD, DGS, UT-Austin	graduated Summer 2013	Hess Corporation
John Shaw	PhD, DGS, UT-Austin	graduated Spring 2013	NSF Post-doctoral Fellow, U. of Wyoming
Anjali Fernandes (co-chair)	PhD, DGS, UT-Austin	graduated Spring 2012	Post-doc, Tulane University
Virginia Smith	PhD, DGS, UT-Austin	graduated Fall 2012	Research Scientist, UT-Austin
Aymeric-Pier Peyret	PhD, DGS, UT-Austin	graduated Fall 2011	Shell International E & P
Jeff Nittrouer	PhD, DGS, UT-Austin	graduated Fall 2010	Assistant Professor, Dept. of Earth Science, Rice University
Brandon McElroy	PhD, DGS, UT-Austin	graduated Fall 2009	Assistant Professor, Dept. of Geology & Geophysics, U. of Wyoming
Kyle Straub	PhD, EAPS, MIT	graduated Spring 2007	Assistant Professor, Dept. of Earth & Environmental Sci., Tulane Univ.
Doug Jerolmack	PhD, EAPS, MIT	graduated Spring 2006	Assistant Professor, Dept. of Earth & Environmental Sci., Penn
William Lyons	PhD, MIT-WHOI Joint Program	graduated Summer 2004	Sr. Development Geologist at Shell Int'l E&P
<i>M.S.</i>			
David Brown	MS, DGS, UT-Austin	1 st year	

Benjamin Cardenas	MS, DGS, UT-Austin	2 nd year	
Anthony McGlown	MS, DGS, UT-Austin	1 st year	
Kelsi Ustipak	MS, DGS, UT-Austin	1 st year	
Brittany Smith (co-chair)	MS, DGS, UT-Austin	graduated Spring 2014	
Katie Delbecq (co-chair)	MS, DGS, UT-Austin	graduated Spring 2013	Visiting Assistant Professor, Geology Department, Earlham College
Christopher Armstrong (co-chair)	MS, DGS, UT-Austin	graduated Spring 2012	Geoscientist at Southwestern Energy
Christopher Elmore (co-chair)	MS, DGS, UT-Austin	graduated Fall 2008	Geoscientist at Marathon
Terra George	MS, DGS, UT-Austin	graduated Summer 2008	Geoscientist at ConocoPhillips
Christina Kaba	MS, MIT-WHOI Joint Program	graduated Spring 2004	Student at University of Pennsylvania Law School

Post Doctoral Associates

Mauricio Perillo	University of Illinois at Urbana-Champaign	10/12 – present	
Richard Wayne Wagner	Univ. of California at Berkeley	7/12 – present	
Nathanael Geleyense	Delft University of Technology	7/12 – 9/13	
Michael Lamb	Univ. of California at Berkeley	7/08 – 6/09	Assistant Professor of Geology, California Institute of Technology
James Buttles	Johns Hopkins University	10/02 – 12/05	Research Engineering/ Scientist Associate III, UT-Austin

Undergraduate Thesis Advisees

Holly Goggin	BS, DGS, UT-Austin	Jackson Scholar, graduated Fall 2013	
Elizabeth Rinehart	BS, DGS, UT-Austin	Honors thesis, graduated Spring 2011	
Spencer Whitman	BS, DGS, UT-Austin	Honors thesis, graduated Spring 2009	
Elke Baitis	BS, DGS, UT-Austin	Honors thesis, graduated Spring 2008	
Vivian Leung	BS, EAPS, MIT	graduated Spring 2006	
Melanie Michalak	BS, EAPS, MIT	graduated Spring 2006	
Roberto Carlos Rangel	BS, Mechanical Engineering, MIT	graduated Spring 2006	
Meryl Towarak	BS, EAPS, MIT	graduated Spring 2003	

Awards to graduate advisees:

Anjali Fernandes:

American Association of Petroleum Geologists (2011 Annual Meeting) – Best Student Oral Presentation

Doug Jerolmack:

American Geophysical Union (2003 Fall Meeting) - Outstanding Student Paper Award - Nonlinear Geophysics focus group.

American Geophysical Union (2005 Fall Meeting) - Outstanding Student Paper Award – Hydrology Section.

Kyle Straub:

American Geophysical Union (2004 Spring Meeting) – Outstanding Student Paper Award – Seismology Section.

Yao You:

American Geophysical Union (2010 Fall meeting) – Outstanding Student Paper Award – Ocean Sciences Section.

Virginia Smith

American Geophysical Union (2011 Fall Meeting) – Outstanding Student Paper Award – Earth & Planetary Surface Proc. Group

Ph.D. committee membership:

Anastasia Piliouras – Geological Sciences, UT-Austin [primary advisor: W. Kim]

Maureen LeVoir – Geological Sciences, UT-Austin [primary advisor: S. Gulick]

Maria Isabel Prieto – Geological Sciences, UT-Austin [primary advisor: L. Wood]

Kealie Goodwin – Geological Sciences, UT-Austin [primary advisor: J. Johnson]

Brendan Murphy – Geological Sciences, UT-Austin [primary advisor: J. Johnson]

Rattanaporn “Ja” Fong-Ngern – Geological Sciences, UT-Austin [primary advisor: R. Steel]

Meredith Bush – Geological Sciences, UT-Austin [primary advisor: B. Horton]

Sarah Christian – Geological Sciences, UT-Austin [primary advisor: G. Kocurek]

Migdaly Salazar – Geological Sciences, UT-Austin [primary advisor: L. Wood]

Annie Miller – Geological Sciences, UT-Austin [primary advisor: M. Allison]

Lindsay Olinde – Geological Sciences, UT-Austin [primary advisor: J. Johnson]

Thomas Brothers – Geological Sciences, UT-Austin [primary advisor: J. Holt]

Brian Kiel – Geological Sciences, UT-Austin [primary advisor: L. Wood]
Dustin Schroeder – Geological Sciences, UT-Austin [primary advisor: D. Blankenship]
Esther C. Eke – Civil Engineering, U. of Illinois at Urbana-Champaign [GRADUATED Fall 2013, primary advisor: G. Parker]
Josh Dixon – Geological Sciences, UT-Austin [GRADUATED Spring 2013, primary advisor: R. Steel]
Isaac Smith – Geological Sciences, UT-Austin [GRADUATED Spring 2013, primary advisor: J. Holt]
Vishal Maharaj – Geological Sciences, UT-Austin [GRADUATED Fall 2012, primary advisor: L. Wood]
Robert Reece – Geological Sciences, UT-Austin [GRADUATED Fall 2012, primary advisor: S. Gulick]
Manasij Santra – Geological Sciences, UT-Austin [GRADUATED, primary advisor: R. Steel]
Erin Eastwood – Geological Sciences, UT-Austin [GRADUATED, primary advisor: G. Kocurek]
Julia Schneider – Geological Sciences, UT-Austin [GRADUATED, primary advisor: P. Flemings]
Darrin Burton – Geological Sciences, UT-Austin [GRADUATED, primary advisor: L. Wood]
Carla Sanchez – Geological Sciences, UT-Austin [GRADUATED, primary advisor: R. Steel]
Audrey Sawyer – Geological Sciences, UT-Austin [GRADUATED, primary advisor: B. Cardenas]
Derek Sawyer – Geological Sciences, UT-Austin [GRADUATED, primary advisor: P. Flemings]
Jeong Yeon Cheon – Civil, Arch., & Env. Engineering, UT-Austin [GRADUATED, primary advisor: R. Gilbert]
Andrew Petter – Geological Sciences, UT-Austin [GRADUATED, primary advisor: R. Steel]
Benjamin Andrews – Geological Sciences, UT-Austin [GRADUATED, primary advisor: J. Gardner]
Jerome Bellian – Geological Sciences, UT-Austin [GRADUATED, primary advisor: C. Kerans]
Sasha Carter – Geological Sciences, UT-Austin [GRADUATED, primary advisor: D. Blankenship]
Cristian Carvajal – Geological Sciences, UT-Austin [GRADUATED, primary advisor: R. Steel]
Ryan Ewing – Geological Sciences, UT-Austin [GRADUATED, primary advisor: G. Kocurek]
Lorena Moscardelli – Geological Sciences, UT-Austin [GRADUATED, primary advisor: L. Wood]
Amy Draut – MIT-Woods Hole Oceanographic Inst. Joint Program [GRADUATED, primary advisor: G. Kineke]
Jon Woodruff – MIT-Woods Hole Oceanographic Institute JP [GRADUATED, primary advisor: J. Donnelly]
Benjamin Crosby – EAPS, MIT [GRADUATED, primary advisor: K. Whipple]
Joel Johnson – EAPS, MIT [GRADUATED, primary advisor: K. Whipple]
William Ouimet – EAPS, MIT [GRADUATED, primary advisors: K. Whipple & L. Royden]
Katharine Ruhl – EAPS, MIT [GRADUATED, primary advisor: K. Hodges]
Taylor Schildgen – EAPS, MIT [GRADUATED, primary advisors: K. Whipple & K. Hodges]
Cameron Wobus – EAPS, MIT [GRADUATED, primary advisors: K. Hodges & K. Whipple]
Ranie Lynds – Geology and Geophysics, University of Wyoming [GRADUATED, primary advisor, P. Heller]
John Martin – Geology and Geophysics, University of Minnesota [GRADUATED, primary advisor, C. Paola]

Masters committee membership:

Dallas Dunlap – Geological Sciences, UT-Austin [GRADUATED Fall 2013, primary advisor: L. Wood]
Nataleigh Vann – Geological Sciences, UT-Austin [GRADUATED Fall 2013, primary advisor: R. Steel]
Jessica Kopp – Geological Sciences, UT-Austin [GRADUATED Spring 2013, primary advisor: W. Kim]
Francis A. Norman – Geological Sciences, UT-Austin [GRADUATED Spring 2013, primary advisor: B. Cardenas]
Ellen Reid – Geological Sciences, UT-Austin [GRADUATED Summer 2012, primary advisor: W. Kim]
Alex Aronovitz – Geological Sciences, UT-Austin [GRADUATED Spring 2012, primary advisor: J. Johnson]
Benjamin Wagman – Geological Sciences, UT-Austin [GRADUATED Spring 2012, primary advisor: G. Catania]
Michael Ramirez – Geological Sciences, UT-Austin [GRADUATED, primary advisor: M. Allison]
Elke Baitis – Geological Sciences, UT-Austin [GRADUATED, primary advisor: G. Kocurek]
Erica Powell – Geological Sciences, UT-Austin [GRADUATED, primary advisor: W. Kim]
Rebecca Comeaux – Geological Sciences, UT-Austin [GRADUATED, primary advisor: M. Allison]
Glenn Makechnie – Geological Sciences, UT-Austin [GRADUATED, primary advisor: G. Kocurek]
Brian Kiel – Geological Sciences, UT-Austin [GRADUATED, primary advisor: L. Wood]
Blair Stanley – Geological Sciences, UT-Austin [GRADUATED, primary advisor: B. Cardenas]
Hillary Strong – Geological Sciences, UT-Austin [GRADUATED, primary advisor: P. Flemings]

Undergraduate Honor Thesis committee membership:

Abid Abdelaziz – Geological Sciences, UT-Austin [COMPLETED Fall 2012, primary advisor: W. Kim]
Brandee Carlson – Geological Sciences, UT-Austin [COMPLETED Fall 2013, primary advisor: W. Kim]

TEACHING:

UT-Austin

- GEO380G (grad). Construction & Interpretations of 3D Stratigraphy: Spring 2014

- GEO371C (undergrad). Construction & Interpretations of 3D Stratigraphy: Spring 2014
- GEO391 (grad). Field Stratigraphy: Southwest Oregon: Spring 2014 (co-taught with Kocurek)
- GEO391 (grad). Sediment Gravity-Flow Depositional Systems: Spring 2014
- GEO371C (undergrad). Sediment Gravity-Flow Depositional Systems: Spring 2014
- GEO660A. Field Geology – TX NM CO WY MT: Summer 2013
- GEO380R. Dynamics of Sedimentary Systems 1: Spring 2013 (co-taught with Kocurek)
- GEO316P. Sedimentary Rocks: Spring 2013 (co-taught with Fisher)
- GEO380G (grad). Construction & Interpretations of 3D Stratigraphy: Fall 2012
- GEO371C (undergrad). Construction & Interpretations of 3D Stratigraphy: Fall 2012
- GEO391 (grad). Field Stratigraphy in the Guadalupe Mountains: Spring 2012 (co-taught with Flemings)
- GEO371C (undergrad). Field Stratigraphy in the Guadalupe Mountains: Spring 2012 (co-taught with Flemings)
- GEO380R. Dynamics of Sedimentary Systems 1: Fall 2011 (co-taught with Kocurek)
- GEO380G (grad). Construction & Interpretations of 3D Stratigraphy: Fall 2011
- GEO371C (undergrad). Construction & Interpretations of 3D Stratigraphy: Fall 2011
- GEO660A. Field Geology – TX NM CO WY MT: Summer 2011 (1st unit)
- GEO380R. Dynamics of Sedimentary Systems 1: Spring 2011 (co-taught with Kocurek)
- GEO380G (grad). Construction & Interpretations of 3D Stratigraphy: Fall 2010
- GEO371C (undergrad). Construction & Interpretations of 3D Stratigraphy: Fall 2010
- GEO416M. Sedimentary Rocks: Fall 2010 (co-taught with G. Kocurek)
- GEO660A. Field Geology – TX NM CO WY MT: Summer 2010 (co-taught 1st unit with Kerans)
- GEO380G (grad). Construction & Interpretations of 3D Stratigraphy: Fall 2009
- GEO371C (undergrad). Construction & Interpretations of 3D Stratigraphy: Fall 2009
- GEO391. Morphodynamics: Fall 2009 (co-taught with W. Kim)
- GEO660A. Field Geology – TX NM CO WY MT: Summer 2009 (co-taught 1st unit with Kerans)
- GEO416M. Sedimentary Rocks: Spring 2009 (co-taught with B. McElroy)
- GEO380R. Dynamics of Sedimentary Systems 1: Fall 2008 (co-taught with Kocurek)
- GEO380G (grad). Construction & Interpretations of 3D Stratigraphy: Fall 2008
- GEO371C (undergrad). Construction & Interpretations of 3D Stratigraphy: Fall 2008
- GEO660A. Field Geology – TX NM CO WY MT: Summer 2008 (co-taught 1st unit with Kerans)
- GEO416M. Sedimentary Rocks: Spring 2008 (co-taught with Quinn)
- GEO391. Field Stratigraphy in the Guadalupe Mountains: Spring 2008 (co-taught with Flemings & Kerans)
- GEO380R. Dynamics of Sedimentary Systems 1: Fall 2007 (co-taught with Kocurek)
- GEO380G (grad). Construction & Interpretations of 3D Stratigraphy: Fall 2007
- GEO371C (undergrad). Construction & Interpretations of 3D Stratigraphy: Fall 2007
- GEO416M. Sedimentary Rocks: Spring 2007 (co-taught with Quinn)
- GEO391. Construction of Subsurface Reservoirs: Fall 2006

- 12.159/12.459. Sedimentary and Surficial Geological Investigations. co-taught with D. Rothman, Spring 2006. [studied processes controlling channel formation by groundwater seepage erosion near Bristol, FL]
- 12.152/12.452. Depositional Mechanics, Spring 2006.
- 12.459. Sedimentary and Surficial Geological Investigations. co-taught with J. Grotzinger, Spring 2005. [studying eolian sediment transport of sulfate particles at White Sands National Monument, NM]
- 12.110/12.465. Sedimentary Geology, Fall 2004.
- 12.452. Depositional Mechanics, Spring 2004.
- 12.090. Experimental Investigations of the Charles River, Spring 2003, course development funded by a **D'Arbeloff Award for Excellence in Education**, MIT.
- 12.159/12.459. Sedimentary and Surficial Geological Investigations. co-taught with J. Grotzinger, Spring 2003. [studied development of carbonate tidal flat on Andros Island, The Bahamas]
- 12.464. Seminar in Sedimentary Geology. co-taught with J. Grotzinger, Spring 2003.
- 12.130/12.465. Sedimentary Aquifers. co-taught with J. Grotzinger, Fall 2002.
- 12.464. Seminar in Sedimentary Geology. co-taught with J. Grotzinger, Fall 2002.
- 12.459. Sedimentary and Surficial Geological Investigations. co-taught with K. Whipple, Spring 2002. [studied possible control of groundwater sapping on channel development in south-central Utah]
- 12.457. Sedimentary Basins. co-taught with L. Royden and J. Grotzinger, Spring 2002.
- 12.464. Seminar in Sedimentary Geology. co-taught with J. Grotzinger, Spring 2002.

Other

- Instructor, 2013 Summer Institute on Earth-surface Dynamics, hosted by the National Center for Earth-surface Dynamics, St. Anthony Falls Laboratory, University of Minnesota – Twin Cities, August 2013
- Co-leader, New Graduate Student Field Trip, August 20 – 21, 2012
- Co-leader, New Graduate Student Field Trip, August 15 – 16, 2011
- Co-leader, New Graduate Student Field Trip, August 16 – 17, 2010
- Co-leader, New Graduate Student Field Trip, August 18 – 19, 2009
- Co-leader, The NeoGeo Trip for entering Jackson School Undergraduates, August 24 – 25, 2009
- ExxonMobil Instructor, 1997 – 2001. Averaged 3 one-week short courses per year. Approximately 100 earth scientists and engineers enrolled per year in these courses, which were part of the continuing education program for employees of the corporation and its affiliates. A principal component of my instruction involved the application of sediment-transport and environmental fluid mechanics to interpreting and predicting erosional and depositional patterns from the shelf edge to continental slope and basin floor. The courses integrated stratigraphic fieldwork, core interpretation, and numerical and laboratory studies.

PROFESSIONAL ADMINISTRATIVE AND PUBLIC SERVICE:

Academic Service:

- LEADER, Jackson School of Geosciences Surface and Hydrologic Processes Research Theme, Fall 2011 –
- Member, Department of Geological Sciences Strategic Planning Committee, Spring 2014 –
- Coordinator of Prospective Graduate Student Weekend (February 23 – 24, 2014) for the Surface & Hydrologic Processes Research Theme, Jackson School of Geosciences
- Member, Ad-hoc DGS Budget Council Committee to evaluate progress of Dr. Cornel Olariu in preparation of possible promotion to Research Scientist, Spring 2013 – Spring 2014
- Jackson School of Geosciences, Graduate Student Admissions and Support Committee, Fall 2011 – Fall 2013

- Member, Ad-hoc JSG committee to evaluate Earth Sensing & Rapid Response program at JSG, Fall 2012-Spring 2013
- Member, Ad-hoc DGS Budget Council Committee to evaluate promotion of Dr. Ginny Catania to position of Associate Professor with tenure, Spring 2012 – Fall 2012
- Coordinator of Prospective Graduate Student Weekend (February 23 – 24, 2013) for the Surface & Hydrologic Processes Research Theme, Jackson School of Geosciences
- Jackson School of Geosciences, Equipment Committee, 2011 – 2012
- Coordinator of Prospective Graduate Student Weekend (February 25-27, 2012) for the Surface & Hydrologic Processes Research Theme, Jackson School of Geosciences
- CHAIR, Ad-hoc Committee on GSC Membership Policy for Jackson School of Geosciences, Spring 2012
- Dept of Civil, Architectural & Environmental Engineering, UT-Austin, Search Committee for Director of Center for Research in Water Resources, May 2011
- Cockrell School of Engineering, UT-Austin, Visioning Meetings – Water Systems for Sustainability, February & August 2010
- Dept of Civil, Architectural & Environmental Engineering, UT-Austin, Faculty Search Committee in Water Resources, Fall 2009 – Spring 2010
- Dean Search Committee, Jackson School of Geosciences, 2008 - 2009
- CHAIR, Jackson School of Geosciences, Earth-surface & Hydrologic Processes Theme Search Committee, 2007 - 2009
- Jackson School of Geosciences, Strategic Planning Council, 2008 - 2010
- Dept of Geological Sciences, IT Committee, 2008 - 2010
- Jackson School of Geosciences, Opportunity Hire Search Committee, 2007 - 2008
- Dept of Geological Sciences, Department Head Search Committee, 2007
- Jackson School of Geosciences, Graduate Curriculum Committee, 2007 - 2008
- Dept of Geological Sciences, Curriculum Committee for General BS in Geology, 2007 -2008
- MIT, EAPS Undergraduate Education Committee, 2004 & 2005
- MIT, EAPS Graduate Admissions Committee, 2002 & 2003
- MIT, Floating member for EAPS Geology & Geochemistry General Examinations, 2002

Professional Service:

- Member of Advisory Board for STEPPE (Sedimentary Geology, Time, Environment, Paleontology, Paleoclimate and Energy); a new effort to help unify the sedimentary crust research community jointly initiated by the Geological Society of America, the Society for sedimentary Research (SEPM), and the Paleontological Society. 2012 – present.
- Associate Editor, *Sedimentology*. 2013 – present.
- Founding Member, Gulf Coastal Science Consortium. The consortium is dedicated to assessing the state of scientific knowledge about impacts of Global Change on the Gulf Coast and conveying this information to policy makers, the media and the general public thereby encouraging a Gulf-wide coastal sustainability plan. <http://shellcenter.rice.edu/Content.aspx?id=2147483959> . June 2012 – present.
- Member of STEPPE Executive Director Nominating Committee. The STEPPE (Sedimentary Geology, Time, Environment, Paleontology, Paleoclimate and Energy) office engages the sedimentary-crust research community in productive interaction. The STEPPE effort was jointly initiated by the Geological Society of America, the Society for sedimentary Research (SEPM), and the Paleontological Society. Initial funding for the Executive Director is funded by a grant from the National Science Foundation. 2012 – Spring 2014.

- Program Leader, Subsurface Architecture Integrated Program, National Center for Earth Surface Dynamics, 2005 – 2013
- Steering Committee Member, Major Initiative in Sedimentary Geology and Paleontology Science Plan Workshop. Prepare white paper entitled “*Transitions: The Changing Earth-Life System – Critical Information for Society from the Deep Past*” for H. Richard Lane and Tim Killeen, NSF Directorate for Geosciences, 2011 – 2012.
- Official Reviewer of *New Research Opportunities in the Earth Sciences*, 2011, Committee on New Research Opportunities in the Earth Sciences at the National Science Foundation, Board on Earth Sciences and Resources, Division on Earth and Life Studies, National Research Council of the National Academies: The National Academies Press, Washington DC.
- Official Reviewer of *Landscapes on the Edge: New Horizons for Research on Earth's Surface*, 2010, Committee on Challenges and Opportunities in Earth Surface Processes, Board on Earth Sciences and Resources, Division on Earth and Life Studies, National Research Council of the National Academies: The National Academies Press, Washington DC.
- Executive Committee Member, newly formed Earth & Planetary Surface Processes Focus Group, American Geophysical Union, 2009 – 2010.
- Member of Marine Working Group, NSF Community Surface Dynamics Modeling System, 2008 – 2010
- Member of Selection Committee for SEPM’s Pettijohn Medal for ‘Excellence in Sedimentology, 2007-2008.
- Co-authored white paper entitled *Sedimentary geology: the power of the long view* for H. Richard Lane, NSF Earth Sciences Division, July 2003
- Member, Executive Committee, National Center for Earth Surface Dynamics, 2004 – present
- Associate Editor, 1998-2000, *Journal of Sedimentary Research*

Organized Technical Sessions, Conferences, & Workshops, 2001-present:

- Technical Sessions co-chair, 2013 AGU Annual Meeting, *Deltas: A Multi-Trillion Dollar Problem I, II, III*, San Francisco, CA, 11 Dec.
- Co-chair, Robert P. Sharp Lecture, 2010 Fall Meeting, AGU, San Francisco, CA, 13-17 Dec.
- Technical session co-chair, 2009 AGU Annual Meeting, *Dynamics and Processes of Deltas, Fans, and their Distributary Channels 1 & 2*.
- Co-organizer, SEPM & Geological Society of London Joint Research Conference—*Application of Seismic Geomorphology Principles to Continental Slope and Base-of-Slope Systems*, Houston, Texas, November 2009.
- Technical Session co-chair, 2008 AGU Annual Meeting, *Stochastic Transport and Emergent Scaling on the Earth's Surface*.
- Technical session co-chair, 2008 GSA Annual Meeting, *Channel Networks as a Template for Earth and Environmental Processes: Toward an Integrative Process Model for Landscape Evolution*.
- Member of organizing Scientific Committee, SEPM Research Conference—*Cliniform Sedimentary Deposits: The Processes Producing Them and the Stratigraphy Defining Them*, Rock Springs, Wyoming, August 2008.
- Technical session co-chair, 2007 AAPG/SEPM Annual Meeting, *Processes and Modeling of Deep-Water Flows 1, 2 & 3*.
- Technical session co-chair, 2005 AGU Fall Meeting, *Constructional Landscapes: From Deltas to Leveed Channels*.
- Co-organized and hosted a NSF-NCED sponsored 3-day working group, *Modeling shorelines and their associated processes and phenomena*. Group consisted of 20 earth scientists, mathematicians, and engineers, July 2005.
- Co-organized and hosted a NSF-NCED sponsored 4-day working group, *Novel methods for modeling the surface evolution of geomorphic interfaces*. Group consisted of 15 earth scientists, mathematicians, and engineers, July 2004.
- Technical session chair, 2004 AAPG/SEPM Annual Meeting, *Measuring and Modeling Sedimentary Bedforms*.

- Technical session co-chair, 2003 GSA Annual Meeting, *Clinofolds: Past, Present, and Modeled*.
- Technical session co-chair, 2003 Submarine Slope Systems Conference, Liverpool, UK, *Flow and Depositional Processes*
- Technical session chair, 2002 AAPG Annual Meeting, *Eustatic, Tectonic and Sedimentary Control on Depositional Sequences: Relative Importance*.
- Technical session chair, 2001 AAPG Annual Meeting, *Sediment Transport Processes Applied to the Interpretation of Deep-Water Systems*.

Public Service:

- Lecturer, GeoFORCE Texas, Summer, 2011, 9th Grade Summer Academy, UT-Austin.
- Field Instructor, April 2011, GeoFORCE Texas online dual-credit geology course for high schools in southwest Texas and Houston, Field Trip Exploring Change in the Texas Coastline.
- Lecturer, GeoFORCE Texas, Summer, 2010, 9th Grade Summer Academy, UT-Austin.
- Instructor, GeoFORCE Texas, July 27-31, 2009, Houston Texas Young Geoscientists 12th Grade Field Course, West Texas.
- Lecturer, GeoFORCE Texas, Summer, 2009, 9th Grade Summer Academy, UT-Austin.

PUBLICATIONS:

Google Scholar h-index = 31, Thomson Reuters ISI h-index = 22

Google Scholar: <http://scholar.google.com/citations?user=lbfs94AAAAJ&hl=en>

Researcher ID: <http://www.researcherid.com/rid/O-1758-2013>

In Review:

Fernandes, A., Mohrig, D., Steel, R.J., Henriksen, S., Smith, V., and Buttles, J., *submitted*, Three-dimensional geometries and inferred depositional processes in bank-attached barforms in sinuous submarine channels: *Journal of Sedimentary Research*.

Kadlec, J., Kocurek, G., Mohrig, D., Shinde, D.P., Murari, M.K., Varma, V., Stehlik, F., Benes, V., Singhvi, A.K., *submitted*, Response of fluvial, aeolian and lacustrine systems to Late Pleistocene to Holocene climate change, Lower Moravian Basin, Czech Republic: *Geomorphology*.

Lynds, R., Mohrig, D., Hajek, E., and Heller, P., *submitted*, Paleoslope reconstruction in sandy suspended-load dominant rivers: *Journal of Sedimentary Research*.

Pedersen, A., Kocurek, G., Mohrig, D., and Smith, V., *submitted*, Dune behavior in a multidirectional wind regime: White Sands Dune Field, New Mexico: *Earth Surface Processes and Landforms*.

Perillo, M.M., Minton, B., Buttles, J., and Mohrig, D., *submitted*, Acoustic imaging of experimental subaqueous sediment-laden flows and their deposits: *Journal of Sedimentary Research*.

Shaw, J., You, Y., Mohrig, D., and Kocurek, G., *submitted*, Reconstructing the formation history of a hurricane-generated washover fan on the Texas coast using stratigraphy and storm surge records: *Geology*.

Smith, B., Moffett, K., and Mohrig, D., *submitted*, The effects of vegetation on island geomorphology in the Wax Lake Delta, Louisiana: *Geomorphology*.

You, Y., Flemings, P., Mohrig, D., and Germaine, J., *submitted*, How heterogeneity in the shear dilation of a deposit controls the mechanics of breaching slope failure: *Journal of Geophysical Research – Earth Surface*.

2014:

Armstrong, C., Mohrig, D., Hess, T., George, T., and Straub, K.M., 2014, Influence of growth faults on coastal fluvial systems: Examples from the late Miocene to Recent Mississippi River Delta, *Sedimentary Geology*, v. 301, p. 120-132, <http://dx.doi.org/10.1016/j.sedgeo.2013.06.010>

Baitis E., Kocurek, G., Smith, V., Mohrig, D., Ewing, R.C., and Peyret, A. –P.B., in press, Definition and origin of the dune-field pattern at White Sands, New Mexico: Aeolian Research, <http://dx.doi.org/10.1016/j.aeolia.2014.06.004>

Kim, W., Petter, A., Straub, K., & Mohrig, D., 2014, Investigating the autogenic process response to allogenic forcing: experimental geomorphology and stratigraphy. *From Depositional Systems to Sedimentary Successions on the Norwegian Continental Margin* (IAS SP 46), 46, p. 127-138.

Piliouras, A., Kim, W., Kocurek, G.A., Mohrig, D., Kopp, J., 2014, Sand on salt: Controls on dune subsidence and determining salt substrate thickness: *Lithosphere*, V. 6 (3), p. 195-199.

Shaw, J.B., and Mohrig, D., 2014, The importance of erosion in distributary channel network growth, Wax Lake Delta, Louisiana, USA: *Geology*, v. 42 (1), p. 31-34, doi:10.1130/G34751.1

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- McElroy, B., Willenbring, J., and Mohrig, D., 2007, Decadal to Centennial Variability of Erosion Rates in a Rapidly Degrading Channel Network: *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract H51E-0788.
- Straub, K.M., and Mohrig, D., Quantifying the morphology and growth of levees in a submarine tributary channel system, offshore Brunei Darussalam, AAGP/SEPM Annual Meeting, April 2007.
- Straub, K.M., and Mohrig, D., 2007, Constructional canyons built by sheet-like turbidity currents: Observations from offshore Brunei Darussalam: *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract H41F-0838.
- 2006:**
- Mohrig, D., Using Regional Volumes of Seismic Data to Unravel the Autogenic Dynamics of Depositional Landscapes, AGU Fall Meeting, abstract NG53A-01 INVITED, December 2006.
- McElroy, B., Mohrig, D., and Buttles, J., Experiments on Substrate Erosion via Subcritical Turbidity Currents, AGU Fall Meeting, abstract OS24A-03, December 2006.
- Straub, K.M., and Mohrig, D.C., Morphodynamics of Levees Built by Turbidity Currents: Observations and Models, AGU Fall Meeting, abstract OS23B-1662, December 2006.
- Nittrouer, J.A., Allison, M.A., and Mohrig, D., Bed Material Flux and Suspended Sand Measurements within the Lower (Tidally Influenced) Mississippi River: Effects of Water Discharge Variability, AGU Fall Meeting, abstract H43E-0545, December 2006.
- Mohrig, D., Straub, K., Buttles, J., McElroy, B., and Pirmez, C., Sedimentation in zones of flow separation along the inner banks of bends in submarine channels: AAPG 2006 Annual Convention, April 2006.
- Buttles, J., and Mohrig, D., Stability of turbidites deposited on the sidewalls of subaqueous channels: AAPG 2006 Annual Convention, April 2006.
- Straub, K., Mohrig, D., Buttles, J., McElroy, B., and Pirmez, C., When does flow splitting occur in submarine channel bends?, AAPG 2006 Annual Convention, April 2006.
- Straub, K.M., and Mohrig, D., Are submarine canyons exclusively the product of erosional processes?, Ocean Sciences Meeting, March 2006.
- 2005:**
- Mohrig, D., Straub, K.M., Buttles, J., and Pirmez, C., Channel Levees Built by Turbidity Currents in the Laboratory, AGU Fall Meeting, December 2005.
- Jerolmack, D.J., Sadler, P., and Mohrig, D., A First-Order Model for Sediment Deposition in Basins, AGU Fall Meeting, December 2005.
- Lobkovsky, A., Smith, B., Mohrig, D., Kudrolli, A., and Rothman, D., Dynamical evolution of channels driven by subsurface flow, AGU Fall Meeting, December 2005.
- McElroy, B., Jerolmack, D., and Mohrig, D., Continuum Statistics of the Bed Topography in a Sandy River, AGU Fall Meeting, December 2005.
- Straub, K.M., Mohrig, D., Buttles, J., and Pirmez, C., Does Sinuosity Influence Channel Length: A Study of Mixing in Turbidity Currents Induced by Channel Bends, AGU Fall Meeting, December 2005.
- Straub, K.M., and Mohrig, D., The interaction of channelized turbidity currents with a growing fold: a view from the seascape, offshore Brunei Darussalam: 2005 Annual Meeting Geological Society of America

Jerolmack, D.J., Mohrig, D., Zuber, M.T., and Byrne, S., Estimating formative conditions of Holden Northeast fan, Mars: Geophysical Research Abstracts, v. 7, 03819, 2005, European Geosciences Union 2005.

Straub, K., and Mohrig, D., Control of mass-failure events on the evolution of a submarine channel network, offshore Brunei Darussalam: Geophysical Research Abstracts, v. 7, 05680, 2005, European Geosciences Union 2005.

Straub, K., and Mohrig, D., Control of pre-existing seafloor topography on the evolution of a tributary-like network of submarine channels on the continental slope offshore Brunei Darussalam: Seismic geomorphology; applications to hydrocarbon exploration and production, Geological Society of London and SEPM, Feb 10-11, 2005.

2004:

Jerolmack, D.J., McElroy, B., and Mohrig, D., Autogenic variability and dynamic steady state in sand-bedded rivers: AGU Fall Meeting, December 2004

Lyons, W.J., and Mohrig, D., Filtering stratigraphic patterns associated with internally generated versus externally-driven processes: An example from the Late Pliocene Fisk Basin, Gulf of Mexico: AGU Fall Meeting, December 2004

Lyons, W.J., and Mohrig, D., Equilibrium time scale for a deepwater mini-basin: assessing the balance between sedimentation and subsidence and its implications to stratigraphic interpretation: International Geological Congress, Florence Italy, 2004

Straub, K.M., Mohrig, D.C., and Buttles, J., Experimental study of sinuous channel evolution associated with depositional turbidity currents: AGU Fall Meeting, December 2004

2003:

Buttles, J., and Mohrig, D., Building topography with channelized turbidity currents: an experimental approach: 2003 Submarine Slope Systems Conference, Liverpool, UK.

Mohrig, D., McElroy, B., and Jerolmack, D., Adjustments within trains of dunes driving bar growth in a sandy braided channel: 2004 AAPG Annual Meeting

Jerolmack, D., and Mohrig, D., Dynamic interaction of bedforms at low transport stage: 2003 Fall Meeting AGU.

Lyons, W.J., and Mohrig, D., Reconstructing the effective thickness, velocity and sediment-transport characteristics of turbidity currents from sandy deposits filling slope channels: examples from the Miocene Capistrano Formation, USA: 2003 Submarine Slope Systems Conference, Liverpool, UK.

Mohrig, D., and Pirmez, C., Using the stratification produced by climbing dunes to estimate the filling histories of submarine turbidite channels: 2003 Submarine Slope Systems Conference, Liverpool, UK.

Mohrig, D., Reconstructing Processes Associated with Turbidity Currents Building Sandy Clinofolds in the Cretaceous Ferron Sandstone, Utah: 2003 Annual Meeting Geological Society of America

Kaba, C., and Mohrig, D., Construction of Shelf-edge Clinofolds by Turbidites: Torok Formation, Alaska: Alaska Geological Society Technical Conference, Fairbanks, AK, April 25, 2003

2002:

Mohrig, D., and Buttles, J., Shallow Channels Constructed by Deep Turbidity Currents: Application of Laboratory Experiments to the Interpretation of Submarine Landscapes: 2002 American Geophysical Union Fall Meeting.

Mohrig, D., and Marr, J.G., Constraining the efficiency of turbidity current generation from submarine slides, slumps and debris flows using laboratory experiments: Turbidites: Models and Problems, Conference hosted by University of Parma, Italy, 2002.

Mohrig, D., Heller, P.L., Swenson, J.B., and Paola, C., Experimental evidence for basin subsidence enhancing the landward incursion of flooding surfaces and its implications to parasequence and sequence generation: 2002 AAPG Annual Meeting.

2001:

Mohrig, D., Using delta-front turbidites to assess the occurrence and properties of sand-rich hyperpycnal flows emanating from rivers: 2001 Annual Meeting Geological Society of America

Buttles, J., and Mohrig, D., Laboratory experiments of channelized turbidity currents: characterizing the relationship between flow-stripping and flow-spilling to turbidity current structure and channel evolution: 2001 Annual Meeting Geological Society of America

Mohrig, D., Spectrum of submarine granular flows: Granular Flows in Earth Sciences, Workshop hosted by the University of Oslo, Norway, 2001

Mohrig, D., Pirmez, C., Rossen, C., Application of Climbing Dune Stratification to Reconstructing the Filling Histories of Deep-Water Turbidite Channels: 2001 AAPG Annual Meeting

Mohrig, D., Pratson, L.F., and Parker, G., Connecting the transport processes of sediment-gravity flows to construction of the seafloor: Society for Sedimentary Geology (SEPM) Diamond Jubilee Symposium, 2001

INVITED SCHOLARLY PRESENTATIONS, 2001-present

- Keynote lecture, June 12, 2014, Connecting rivers and deltas to hyperpycnal-flow deposits and turbidites using laboratory, numerical, and field studies: Central European Meeting of Sedimentary Geology, Olomouc, Czech Republic, June 9 – 13, 2014.
- Invited Speaker, November 22, 2013, Dept. Seminar Series, Dept. of Geosciences, Univ. of Texas - Dallas, *“Building Coastlines: Linking Studies from Modern & Ancient Depositional Systems to Predict Response to Environmental Change”*
- Invited Speaker, October 18, 2013, Dept. of Geology Colloquium, Univ. of Illinois – Urbana-Champaign, *“Building Landscapes: Comparing Transport by Channels on the Coastal Plain, in the Deep Ocean, and on Other Planets”*
- Invited Speaker, September 2013, 30th IAS Meeting of Sedimentology, *“Beds, bars, bends, banks and basins: Construction of the seascape and deep-marine strata by turbidity currents”*
- Invited Speaker, April 2013, Joint Penrose/Chapman Conference on Coastal Processes and Environments Under Sea-Level Rise and Changing Climate: Science to Inform Management, *“Role of changing sediment supply and transport in building deltaic coastlines”*
- Invited Speaker, March 2013, Austin Geological Society, *“Experimental Stratigraphy and Geomorphology at UT-Austin”*
- Invited Speaker, October 2012, Departmental Seminar Series, Department of Geology, University of California – Davis, *“Building Coastlines: Linking Studies from Modern and Ancient Depositional Environments to Predict Response to Environmental Change”*
- Invited Speaker, February 2012, Current Research in Earth Science Seminar, Earth Science Department, Rice University, *“Building Coastlines: Linking Studies from Modern and Ancient Depositional Environments to Predict Response to Environmental Change”*
- Invited Speaker, October 2011, Geological Society of America Annual Meeting
- Invited Speaker, August 2011, Annual Meeting of the Ecological Society of America
- Invited Speaker, June 2011, The Geological Society of London Conference on Internal Architecture, Bedforms and Geometry of Turbidite Channels
- Invited Speaker, April 2011, Department Lecture Series, Department of Geological Sciences, The University of Texas at El Paso
- Invited Speaker, April 2011, AAPG/SEPM Annual Meeting
- Invited Speaker, January 2011, AGU Chapman Conference on Source to Sink Systems Around the World and Through Time
- Invited Speaker, April 2010, AAPG/SEPM Annual Meeting
- Invited Speaker, March 2010, Department Lecture Series, Department of Geosciences, Princeton University
- Invited Keynote Speaker, February 2010, National Science Foundation – MARGINS Successor Planning Workshop, San Antonio, Texas
- Invited Speaker, February 2010, Departmental Colloquium, Department of Geosciences, PennState University
- Invited Speaker, April 2009, Department of Geological Sciences Colloquium, Indiana University - Bloomington
- Invited Speaker, April 2009, Department of Geosciences Seminar, Indiana University - Purdue University at Ft. Wayne

- Invited Speaker, April 2009, Department of Earth Sciences Colloquium, Indiana University - Purdue University at Indianapolis
- Invited Poster, 2008 AGU Annual Meeting
- Invited Speaker, 2008 AAPG/SEPM Annual Meeting
- Invited Speaker, Oct. 2008, Undergraduate Geological Society Seminar, Department of Geological Sciences, UT-Austin
- Invited Speaker, April 2008, Department of Earth Science Seminar, Rice University
- Invited Speaker, 2008 American Association for the Advancement of Science Annual Meeting
- Invited Speaker, Oct. 2007, Geological and Planetary Sciences Division Seminar, California Institute of Technology
- Invited Speaker, Feb. 2007, Undergraduate Geological Society Seminar, Department of Geological Sciences, UT-Austin
- Invited Speaker, 2006 AGU Annual Meeting
- Invited Speaker, Oct. 2006, Seminar Series, Institute for Geophysics, UT-Austin
- Invited Speaker, Oct 2006, Tech Session, Department of Geological Sciences, UT-Austin
- Invited Speaker, May 2006, Departmental Seminar Series, Dartmouth College Department of Earth Sciences
- Invited Speaker, April 2006, Applied Mechanics/Solid Earth Seminar Series, Harvard University
- Invited Speaker, Feb. 2006, Geology and Geophysics Seminar Series, Woods Hole Oceanographic Institute
- Invited Speaker, Dec. 2005, Gilbert Club, University of California-Berkeley.
- Invited Speaker, Nov. 2005, Mathematical Institute, University of Oxford.
- Invited Speaker, Nov. 2005, Geophysical Institute, Academy of Sciences of the Czech Republic.
- Invited Speaker, Nov. 2005, Departmental Lecture Series, Department of Geology, Charles University, Prague, Czech Republic.
- Invited Speaker, April 2005, Departmental Lecture Series, Department of Earth and Atmospheric Sciences, Cornell University
- Invited Speaker, Feb. 2005, Departmental Lecture Series, Department of Earth and Environmental Sciences, Tulane University
- Invited Speaker, April, 2004, *Environmental Stratigraphy*, Future Directions in Sedimentary Geology workshop, sponsored by Society for Sedimentary Geology (SEPM) and the National Center for Earth Surface Dynamics
- Boyd Distinguished Lectureship in Geological Sciences, Nov. 2004, Jackson School of Geosciences, University of Texas, Austin
- Invited Speaker, 2004, Departmental Lecture Series, Department of Civil and Environmental Engineering, MIT
- Invited Speaker, November 2003, *New Infrastructure in Sedimentary Geology*, ISES (Integrated Solid Earth Science) FORUM 1, sponsored by NSF
- Invited Speaker, 2003, Distinguished Lecturer Series, Department of Geology and Geophysics, University of Wyoming
- Invited Speaker, 2003, Departmental Lecture Series, Department of Geological Sciences, Case Western Reserve University
- Invited Speaker, 2002, Special Environmental Fluid Mechanics Seminar, Civil and Environmental Engineering, MIT
- Invited speaker, 2002 AGU Annual Meeting
- Invited speaker, Turbidites: Models and Problems Workshop, University of Parma, Italy, 2002
- Invited speaker, Granular Flows in Earth Sciences Workshop, University of Oslo, Norway, 2001

- Invited speaker, Society for Sedimentary Geology (SEPM) Diamond Jubilee Symposium, 2001

RESEARCH GRANTS & CONTRACTS:

- Support: **Current**
 Project/Proposal Title: **Deep Water Sedimentary Processes Workshop**
 Source of Support: **Chevron U.S.A. Inc.**
 PI D. Mohrig: Total Award Period Covered: **3/14 – 4/14**
 Location of Project: **The University of Texas at Austin**
- Support: **Current**
 Project/Proposal Title: **Vertical and Longitudinal Trends in Properties of Mud-Rich Deepwater Sandstones**
 Source of Support: **Statoil**
 PI D. Mohrig: Total Award Period Covered: **6/1/13 – 12/31/15**
 Location of Project: **The University of Texas at Austin**
- Support: **Current**
 Project/Proposal Title: **FESD Type II: A Delta Dynamics Collaboratory**
 Source of Support: **NSF**
 PI D. Mohrig: Total Award Period Covered: **9/15/11 – 8/31/16**
 Location of Project: **The University of Texas at Austin**
- Support: **Current**
 Project/Proposal Title: **Development of Channelized-Lobe Stratigraphy with the Goal of Generating Rules for Geologic Models Aimed at Producing Channelized-Lobe Reservoirs**
 Source of Support: **Statoil**
 PI D. Mohrig: Total Award Period Covered: **1/15/12 – 10/14/14**
 Location of Project: **The University of Texas at Austin**
- Support: **Current**
 Project/Proposal Title: **Subaward Partner: RioMAR: River-mouth analysis research**
 Source of Support: **Industrial Consortium**
 Mohrig Subcontract: Total Award Period Covered: **12/31/07 – 12/30/13**
 Location of Project: **The University of Texas at Austin**
- Support: **Current**
 Project/Proposal Title: **Norphlet Aeolian Research**
 Source of Support: **Shell International Exploration and Production, Inc.**
 Co-PI Kocurek, Kim: Total Award Period Covered: **9/1/11 – 8/31/16**
 Location of Project: **The University of Texas at Austin**
- Project/Proposal Title: **Role of Bedform Interactions and Boundary Conditions in Pattern Development**
 Source of Support: **NSF**
 Co-PI with G. Kocurek: Total Award Period Covered: **9/1/09 – 8/31/11**
 Location of Project: **The University of Texas at Austin**
- Project/Proposal Title: **Subaward Partner: STC-National Center for Earth-surface Dynamics**
 Source of Support: **NSF**
 UT-Austin Subcontract: Total Award Period Covered: **8/1/07 – 3/31/13**
 Location of Project: **University of Minnesota**
- Project/Proposal Title: **An Experimental Study of How Minibasin Relief Controls Patterns of Basin Filling by Turbidity Currents**
 Source of Support: **ConocoPhillips**
 PI D. Mohrig: Total Award Period Covered: **12/31/10 – 12/31/12**
 Location of Project: **The University of Texas at Austin**

Project/Proposal Title: **Transport & Sedimentation Processes Associated with High-Concentration Sediment-Gravity Currents**
 Source of Support: **ENI SPA**
 PI D. Mohrig: Total Award Period Covered: **1/15/12 – 12/31/12**
 Location of Project: **The University of Texas at Austin**

Project/Proposal Title: **Subaward Partner: STC-National Center for Earth-surface Dynamics**
 Source of Support: **NSF**
 UT-Austin Subcontract: Total Award Period Covered: **8/1/06 – 7/31/07**
 Location of Project: **University of Minnesota**

Project/Proposal Title: **Subaward Partner: RioMAR: River-mouth analysis research**
 Source of Support: **Industrial Consortium**
 Mohrig Subcontract: Total Award Period Covered: **9/1/06 – 12/31/07**
 Location of Project: **The University of Texas at Austin**

Project/Proposal Title: **Subaward Partner: STC-National Center for Earth-surface Dynamics**
 Source of Support: **NSF**
 MIT Subcontract: Total Award Period Covered: **8/1/02 – 7/31/06**
 Location of Project: **University of Minnesota**

Project/Proposal Title: **3D geometry and connectivity of submarine channel fills**
 Source of Support: **Shell International Exploration and Production, Inc.**
 Total Award Amount: Total Award Period Covered: **10/1/02 – 5/31/07**
 Location of Project: **Massachusetts Institute of Technology**

Project/Proposal Title: **COLLABORATIVE RESEARCH: Quantitative reconstruction of paleohydraulics of the Kayenta Formation - Implications for paleoclimate reconstruction**
 Source of Support: **NSF**
 Total Award Amount: Total Award Period Covered: **3/15/05 – 2/28/06**
 Location of Project: **Massachusetts Institute of Technology**

Project Title: **Support to the Advancement of Science and Higher Education in the Field of Submarine Channel Formation and In-filling Processes**
 Source of Support: **Shell International Exploration and Production, Inc.**
 Total Gift Amount: Date: **1/30/03**
 Location of Project: **Massachusetts Institute of Technology**

Project Title: **Support to the Advancement of Science and Higher Education in the Field of Submarine Channel Formation and In-filling Processes**
 Source of Support: **Shell International Exploration and Production, Inc.**
 Total Gift Amount: Date: **6/30/05**
 Location of Project: **Massachusetts Institute of Technology**

PROFESSIONAL RECOGNITION, 2001-present:

- **2013 Water Resources Research Editor's Choice Award:** Kenney, M. A., B. F. Hobbs, **D. Mohrig**, H. Huang, J. A. Nittrouer, W. Kim, and G. Parker (2013), Cost analysis of water and sediment diversions to optimize land building in the Mississippi River delta, *Water Resour. Res.*, 49, 3388–3405, doi:10.1002/wrcr.20139.
- Knebel Distinguished Teaching Award, Jackson School of Geosciences, UT-Austin, 2013
- Faculty Overall Performance Award – Full Professor, Jackson School of Geosciences, UT-Austin, 2013
- Knebel Distinguished Teaching Award, Jackson School of Geosciences, UT-Austin, 2011
- **2009 Outstanding Paper in Journal of Sedimentary Research:** Straub, K.M., Paola, C., **Mohrig, D.**, Wolinsky, M.A., and George, T., 2009, Compensational stacking of channelized sedimentary deposits: *Journal of Sedimentary Research*, v.79, p. 673-688.

- NSF – MARGINS Distinguished Lecturer, 2008 – 2009
- External Examiner for PhD Viva of Joris Eggenhuisen, University of Leeds, UK, April 2009
- Joseph C. Walter Jr. Excellence Award, Jackson School of Geosciences, UT-Austin, 2008
- Knebel Distinguished Teaching Award, Jackson School of Geosciences, UT-Austin, 2007-2008
- Cecil and Ida Green Career Development Chair, EAPS, MIT, 2003 - 2006
- Best Poster Award for *Using the stratification produced by climbing dune to estimate the filling histories of submarine turbidite channels*, 2003 Submarine Slope Systems Conference, sponsored by IAS
- Clastic Sediments Citation in Annual Highlights Issue: A Review of Year 2000 Research in Earth Science for Mohrig et al. (2000): *Geotimes*, 2001, v.46, n.7.
- Excellence in Instruction Award, ExxonMobil Upstream Research Company, 2001