

WONSUCK KIM

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Jackson School of Geosciences, The University of Texas, Austin
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1 University Station C9000, Austin, TX 78712

EDUCATION

- 2007** **Ph.D. in Geology**, University of Minnesota, Minneapolis, USA.
▪ Dissertation title: “Coupled fluvial and shoreline dynamics: Experiments and Theory.”
▪ Advisor: Chris Paola
- 2000** **M.S. in Applied Geology**, Yonsei University, Seoul, Korea.
▪ Dissertation title:
“Numerical analysis for fluid flow and sediment transport process on an artificial lake.”
▪ Advisor: Yong-hoon Lee
- 1998** **B.S. in Geology**, Yonsei University, Seoul, Korea.

PROFESSIONAL POSITIONS

- 2009–** **Assistant Professor**, Department of Geological Sciences
University of Texas, Austin
- 2010** **NU Invited Associate Professor**, Graduate School of Science and Technology
Nagasaki University, Japan
- 2007–2008** **Post-Doctoral Research Associate**, Department of Civil and Environmental Engineering
University of Illinois, Urbana-Champaign
▪ Advisor: Gary Parker
- 2005–2007** **Experimental EarthScape (XES) Facility Manager**, St. Anthony Falls Laboratory,
University of Minnesota
▪ 2006 Interactions between transversal and axial drainages in an asymmetric subsiding basin
▪ 2005 Steering of experimental channels by an active relay ramp
- 2002–2007** **Research Assistant**, National Center for Earth-surface Dynamics, University of Minnesota
▪ Effect of active tectonics on timescale of fluvial autogenic processes
▪ Shoreline responses to autogenic processes in the fluvial system
▪ Roles of stratigraphic controls on shoreline migration
- 2004** **Teaching Assistant**, Department of Geology & Geophysics, University of Minnesota
▪ Lab for introduction of Geology (GEO 1001)
- 2000–2001** **Research Associate**, Department of Geology, Kangwon National University, Korea
▪ Environmental and geological studies on sediment deposit in the artificial lake Soyang
▪ Basin analysis on sequence development in the late Tertiary Ulleung Basin, offshore Korea
- 1998–2000** **Research Assistant**, Earth System Sciences, Yonsei University, Korea
▪ A study of numerical analysis for sediment transport in an artificial lake
- 1998** **Teaching Assistant**, Earth System Sciences, Yonsei University, Korea
▪ Lab for Computer and Geosciences
- 1998–2000** **Manager of Database and Web Services**, Info-Center for Environmental Geology, Korea
▪ <http://ieg.or.kr/>

AWARDS

- 2011–2012 John E. “Brick” Elliott Centennial Teaching Fellowship**
 ▪ Jackson School of Geosciences, University of Texas
- 2010–2011 John E. “Brick” Elliott Centennial Professorship in Geological Sciences**
 ▪ Jackson School of Geosciences, University of Texas
- 2010 2010 JSPS Postdoctoral Fellowship for North American and European Researchers**
 ▪ Japan Society for the Promotion of Science, Japan
- 2009 2009-2010 Big XII Faculty Fellowship**
 ▪ University of Texas, Austin
- 2007 Alvin G. Anderson Award**
 ▪ St. Anthony Falls Laboratory, University of Minnesota
- 2004 Outstanding Student Paper Award (Hydrology Section)**
 ▪ American Geophysical Union, 2004 Annual Fall Meeting, San Francisco
- 2004 Frank and Julie Tsai Travel Award**
 ▪ St. Anthony Falls Laboratory, University of Minnesota
- 2004–2005 Richard Clarence Dennis Graduate Fellowship**
 ▪ Department of Geology & Geophysics, University of Minnesota
- 1997 Best Academic Award (Senior)**
 ▪ Earth System Sciences, Yonsei University, Korea
- 1996 Best Academic Award (Junior)**
 ▪ Earth System Sciences, Yonsei University, Korea

INVITED TALKS**2011**

- National Center for Earth-surface Dynamics, Minneapolis, MN Nov 2 2011
 ▪ “Decoupling allogenic forcing from autogenic processes: Experimental geomorphology and stratigraphy”
 University of Texas Institute for Geophysics, Austin, TX Apr 22 2011
 ▪ “Decoupling allogenic forcing from autogenic processes: Experimental geomorphology and stratigraphy”

2010

- NSF GeoPRISMS Rift Initiation and Evolution workshop, Santa Fe, NM Nov 4 – 6 2010
 ▪ “Decoupling allogenic forcing from autogenic processes: Experimental stratigraphy”
 Norwegian Petroleum Society 2010 Conference, Stavanger, Norway May 4 – 6 2010
 ▪ “Decoupling allogenic forcing from autogenic processes: Experimental stratigraphy”
 AAPG 2010 Annual Convention and Exhibit, New Orleans, LA April 11 – 14 2010
 ▪ “Decoupling allogenic forcing from autogenic processes: Clastic and carbonate experimental stratigraphy”
 Dept. of Earth and Environmental Sciences, Tulane University, New Orleans Jan 15 2010
 ▪ “Land building in the delta of the Mississippi River: Is it feasible?”
 LCA Science Board Meeting, New Orleans, LA Jan 14 2010
 ▪ “Numerical modeling of the Mississippi River Delta”

2009

- Kangwon National University, Chuncheon, Korea
 KIGAM (Korea Institute of Geoscience and Mineral Resources), Daejeon, Korea
 Yonsei University, Seoul, Korea
 Oceanography and Coastal Sciences, Louisiana State University

2008

- Department of Earth, Atmospheric & Planetary Sciences, MIT
 Department of Geosciences, Princeton University

Jackson School of Geosciences, University of Texas, Austin
 Department of Geology and Geophysics, Texas A&M University

2007

Oceanography and Coastal Sciences, Louisiana State University
 Department of Geology and Geophysics, University of Wisconsin, Madison
 Department of Geology and Geophysics, Louisiana State University
 St. Anthony Falls Laboratory, University of Minnesota, Minneapolis

PUBLICATIONS (PEER REVIEWED)

Web of Knowledge: Total of the times cited = 102, H-index = 6

Google Scholar: Total of the times cited = 131, H-index = 7

* Student author

UNDER REVIEW

Powell, E. *, **Kim, W.**, and Muto, T., Varying flux controls on timescales of autogenic storage and release processes in fluvio-deltaic environments: Tank experiments: *Journal of Geophysical Research – Earth Surface* (under revision)

Kim, W., Petter, A.L., Straub, K., and Mohrig, D., Decoupling allogenic forcing from autogenic processes: Experimental geomorphology and stratigraphy: *IAS Special Publication*, v. 47 (under review)

Wickert, A. *, Martin, J., Tal, M., **Kim, W.**, Sheets, B., and Paola, C., River channel lateral mobility: Time scales and controls: *Journal of Geophysical Research – Earth Surface* (under review)

2012

Petter, A.L. *, Steel, R., Mohrig, D., **Kim, W.**, and Carvajal, C., Estimation of the paleo-flux of terrestrial-derived solids across ancient basin margins using the stratigraphic record: *GSA Bulletin* (in press)

Kim, W., Fouke, B.W., Petter, A.L. *, Quinn, T.M., Kerans, C., and Taylor, F., Sea-level rise, depth-dependent carbonate growth, and the paradox of drowned platforms: *Sedimentology* (in press)

Connell, S.D., **Kim, W.**, Paola, C., and Smith, G.A., Sediment-flux steering of axial-transverse boundaries in a fluvially dominated experimental basin: *Journal of Sedimentary Research* (in press)

Connell, S.D., **Kim, W.**, Paola, C., and Smith, G.A., Stratigraphic architecture of an experimental basin with interacting drainages: *Journal of Sedimentary Research* (in press)

2011

Kim, W., Connell, S.D., Steel, E. *, Smith, G.A., and Paola, C., 2011, Mass-balance control on the interaction of axial and transverse channel systems: *Geology*, v. 39, no. 7, p. 611-614, DOI: 10.1130/G31896.1

Tomer, A. *, Muto, T., and **Kim, W.**, 2011, Autogenic hiatus in fluviodeltaic successions: Geometrical modeling and physical experiments: *Journal of Sedimentary Research*, v. 81, no. 3, p. 207-217, DOI: 10.2110/jsr.2011.19

Petter, A.L. *, **Kim, W.**, Muto, T., and Steel, R., 2011, Comment on “Clinoform quantification for assessing the effects of external forcing on continental margin development”: *Basin Research*, v. 23, no. 1, p. 118-121, DOI: 10.1111/j.1365-2117.2010.00472.x

Paola, C., Twilley, R.R., Edmonds, D.A., **Kim, W.**, Mohrig, D., Parker, G., Viparelli, E., and Voller, V.R., 2011, Natural Processes in Delta Restoration: *Annual Review of*

Marine Science, v. 3, no. 1, p. 67-91, DOI: 10.1146/annurev-marine-120709-142856

2010

Kim, W., Sheets, B.A., and Paola, C., 2010, Steering of experimental channels by lateral basin tilting: *Basin Research*, v. 22, p. 286-301, DOI: 10.1111/j.1365-2117.2009.000419.x

2009

Kim, W., Paola, C., Martin, J., Perlmutter, M.A., and Tapaha, F., 2009, Net pumping of sediment into deep water due to base-level cycling: Experimental and theoretical results: in Kneller, B., Martinsen, O.J., and McCaffrey, B., eds., *External Controls on Deep-Water Depositional Systems: SEPM Special Publication*, v. 92, p. 41-56.

Kim, W., Mohrig, D., Twilley, R., Paola, C., and Parker, G., 2009, Is it feasible to build new land in the Mississippi River Delta?: *EOS*, v. 90, no. 42, p. 373-374.

Kim, W., Dai, A., Muto, T., and Parker, G., 2009, Delta progradation driven by an advancing sediment source: Coupled theory and experiment describing the evolution of elongated deltas: *Water Resources Research*, v. 45, W06428, DOI: 10.1029/2008WR007382

Lorenzo-Trueba, J.L., Voller, V.R., Muto, T., **Kim, W.**, Paola, C., and Swenson, J.B., 2009, A similarity solution of a dual moving boundary problem associated with a coastal-plain depositional system: *Journal of Fluid Mechanics*, v. 628, p. 427-443, DOI: 10.1017/S0022112009006715

2008

Kim, W., and Jerolmack, D.J., 2008, The pulse of calm fan deltas: *Journal of Geology*, v. 116, no. 4, p. 315-330, DOI: 10.1086/588830

Kang, M-G., Choi, J-K., Jeong, H-S., and **Kim, W.**, 2008, Construction of water-friendly space and ecosystems networks through linking environmental elements in urban and rural areas: *KSCE Journal of Civil Engineering*, v. 56, no. 2, p. 88-98.

2007

Kim, W., and Muto, T., 2007, Autogenic response of alluvial-bedrock transition to base-level variation: Experiment and theory: *Journal of Geophysical Research - Earth Surface*, v. 112, F03S14, DOI: 10.1029/2006JF000561

Kim, W., and Paola, C., 2007, Long-period cyclic sedimentation with constant tectonic forcing in an experimental relay ramp: *Geology*, v. 35, no. 4, p. 331-334, DOI: 10.1130/G23194A.1

Kim, W., Cheong, D.K., and Kendall, C.G.St.C., 2007, Effects of in-phase and out-of-phase sediment supply responses to tectonic movement on sequence development in the late Tertiary southern Ulleung Basin, East (Japan) Sea: *Computers & Geosciences*, v. 33, no. 3, p. 299-310, DOI: 10.1016/j.cageo.2006.08.001

2006

Kim, W., Paola, C., Swenson, J.B., and Voller, V.R., 2006, Shoreline response to autogenic processes of sediment storage and release in the fluvial system: *Journal of Geophysical Research - Earth Surface*, v. 111, F04013, DOI: 10.1029/2006JF000470

Voller, V.R., Swenson, J.B., **Kim, W.**, and Paola, C., 2006, An enthalpy method for moving boundary problems on the earth's surface: *International Journal of Numerical Methods for Heat and Fluid Flow*, v. 16, no. 5, p. 641-654, DOI: 10.1108/09615530610669157

Kim, W., Paola, C., Voller, V.R., and Swenson, J.B., 2006, Experimental measurement of the relative importance of controls on shoreline migration: *Journal of Sedimentary Research*, v. 76, no. 2, p. 270-283, DOI: 10.2110/jsr.2006.019

2005–AND OLDER

- Kim, W.**, Min, K.D. and Cheong, D.K., 2001, Simulation of the fluvial sedimentation changes by construction of a dam: *Journal of the Geological Society of Korea*, v. 37, no. 2, p. 203-216.

CONFERENCE ABSTRACTS

2011

- Aronovitz, A.C., Johnson, J.P., and **Kim, W.**, 2011, The formation of experimental step-pools in relation to sediment size distribution and transport slope: Abstract EP21C-0713 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Leva Lopez, J., **Kim, W.**, and Steel, R.J., 2011, Experimental analysis of autostratigraphic controls in foreland basins: Abstract EP23A-0725 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Delbecq, K.L., Boesch, S., Johnson, J.P., and **Kim, W.**, 2011, Evaluating paleotsunami deposit models using flume experiments: Abstract EP51D-06 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Kim, W.**, 2011, Reversal in migration of gravel-sand transition: Abstract EP21B-0685 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Kopriva, B. and **Kim, W.**, 2011, Control of internal dynamics of salt deformation due to stratigraphic architecture: Experimental modeling: Abstract presented at 2011 GSA Annual Meeting, Minneapolis, MN, 9-12 Oct.
- Kim, W.**, Connell, S.D., Smith, G.A., Paola, C., and Steel, E., 2011, Sediment interactions in axial and transverse alluvial systems: Abstract presented at 2011 GSA Annual Meeting, Minneapolis, MN, 9-12 Oct.
- Kim, W.**, Petter, A., Fouke, B.W., Quinn, T.M., and Kerans, C., 2011, Sea-level rise, depth-dependent carbonate growth, and the paradox of drowned platforms: Abstract presented at 2011 GSA Annual Meeting, Minneapolis, MN, 9-12 Oct.

2010

- Powell, E. and **Kim, W.**, 2010, Quantifying the fluvial autogenic processes: Tank Experiments: Abstract EP43F-03 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Leva Lopez, J., Kim, W., and Steel, R.J., 2010, Autostratigraphic response of clinof orm evolution to back-tilting subsidence: A Numerical Model: *18th International Sedimentological Congress, Mendoza, Argentina, September 26 – October 1*
- Kim, W.**, Petter, A., Straub, K., Mohrig, D., and Paola, C., 2010, Decoupling allogenic forcing from autogenic processes: Experimental stratigraphy: *Norwegian Petroleum Society 2010 Conference, Stavanger, Norway May 4 – 6 2010*
- Kim, W.**, Petter, A., Fouke, B.W., Quinn, T.M., Kerans, C., Taylor, F., Mohrig, D., and Paola, C., 2010, Decoupling allogenic forcing from autogenic processes: Clastic and carbonate experimental stratigraphy: *AAPG 2010 Annual Convention and Exhibit, New Orleans, LA April 11 – 14 2010*

2009

- Kim, W.** and Powell, E., 2009, Decoupling allogenic and autogenic processes: Experimental stratigraphy: *Eos Trans. AGU*, v. 90, no. 52, Fall meet. suppl., Abstract EP53A-0609
- Straub, K.M., Paola, C., **Kim, W.**, and Sheets, B.A., 2009, Controls on steering of channels in laterally tilting basins: an experimental study: *Eos Trans. AGU*, v. 90, no. 52, Fall meet. suppl., Abstract EP53A-0612
- Petter, A.L., Mohrig, D., Carvajal, C., Steel, R.J., and **Kim, W.**, 2009, A simple method for estimating the sediment-flux histories of ancient shelf-margin successions: *Eos Trans. AGU*, v. 90, no. 52, Fall meet. suppl., Abstract EP53A-0615

- Muto, T., Furubayashi, R., **Kim, W.**, and Parker, G., 2009, Seaward protrusion of a graded channel-lobe system: 2D model experiments: *Eos Trans. AGU*, v. 90, no. 52, Fall meet. suppl., Abstract EP41A-0589
- Matin, J.M., Wickert, A.D., Sheets, B.A., Kelberer, M., **Kim, W.**, Tal, M., and Paola, C., 2009, A method to translate between short-term fluvial processes on deltas and bulk volumes of channel and overbank deposits in the stratigraphic record: *Eos Trans. AGU*, v. 90, no. 52, Fall meet. suppl., Abstract EP41A-0890
- 2007**
- Kim, W.** and Jerolmack, D.J., 2007, The pulse of calm deltas: *Eos Trans. AGU*, v. 88, no. 52, Fall meet. suppl., Abstract H54B-01
- Kim, W.**, Paola, C., Martine, J., Perlmutter, M., and Tapaha, F., 2007, Net pumping of sediment into deep water due to base-level cycling: *Annual AAPG Meeting*
- 2006**
- Kim, W.** and Paola, C., 2006, Cyclic sedimentation by linear tectonic forcing in an experimental relay ramp: *Eos Trans. AGU*, v. 87, no. 52, Fall meet. suppl., Abstract NG53A-04
- Kim, W.**, Paola, C., and Sheets, B.A., 2006, Steering of experimental channels in an active relay ramp: *17th International Sedimentological Congress, Fukuoka, Japan*, Abstract O-219
- 2005**
- Kim, W.**, Paola, C., Swenson, J., and Voller, V., 2005, Shoreline response to autogenic processes of sediment storage and release in the fluvial system: *Eos Trans. AGU*, v. 86, no. 52, Fall meet. suppl., Abstract H31A-1285
- 2004**
- Kim, W.**, Strong, N., Sheets, B., Kelberer, M., Martin, J., Paola, C., Voller, V., and Swenson, J., 2004, Autogenic Shoreline Responses to Fluvial Change: *Eos Trans. AGU*, v. 85, no. 47, Fall meet. suppl., Abstract H34C-01
- Kim, W.**, Paola, C., Voller, V., and Swenson, J., 2004, A Quantitative A/S ratio for predicting shoreline migration during eustatic base-level cycles: *Eos Trans. AGU*, v. 85, no. 47, Fall Meet. suppl., Abstract OS23C-1335
- Voller, V.R., Swenson, J.B., **Kim, W.**, Paola, C., 2004, A fixed-grip method for moving boundary problems on the earth's surface: *European Congress on Computational Methods in Applied Sciences and Engineering 2004*, In: Neittaanmaki, P. et al, (Eds.)
- 2003**
- Strong, N., Sheets, B., **Kim, W.**, Kelberer, M., and Paola, C., 2003, Efficacy of two measures of relative sea level in predicting stratal geometry and surface morphology in an experiment with varying base level: *Eos Trans. AGU*, v. 84, no. 46
- Swenson, J., Paola, C., Sheets, B., Strong, B., **Kim, W.**, and Pratson, L., 2003, Continental-margin response to sea level: Theory and experiment: *Eos Trans. AGU*, v. 84, no. 46
- 2002**
- Strong, N., Sheets, B., Kelberer, M., **Kim, W.**, and Paola, C., 2002, Evolution of valley depth and width during base-level fluctuations: *Eos Trans. AGU*, v. 83, no. 47

SERVICES

Department/School:

- Sedimentary Geology and Stratigraphy Discipline Leader at the Department of Geological Sciences since Fall 2011

- Tech Session Organizing Committee: Invited and host Dr. Doug Jerolmack, University of Pennsylvania (Oct, 2010) and Dr. Jim Best, University of Illinois, Urbana – Champaign (Dec, 2010)

Research Community:

- SEPM (Society for Sedimentary Geology) Research Committee member: Reviewing 2 – 4 conference proposals annually
- Invited member of World Delta Dialogues 2010, The America’s WETLAND Foundation, New Orleans, LA Oct 16-19, 2010: Serving as a discussion panel to identify pilot projects for the Mississippi River Delta restoration and protection
- Organizing committee member for 2008 Meetings of Young Researchers in Earth Sciences funded by NSF, New Orleans, LA May 2008.
- Reviewer for NSF proposals (Sedimentary Geology and Paleobiology, Paleoclimate, and Marine Geology and Geophysics) and LA Board of Regents RCS and ITRS proposal
- Review panel for NSF (Sedimentary Geology and Paleobiology, April 2010)
- Referee for the following journals: Geology, Sedimentology, Journal of Geophysical Research – Earth Surface, Journal of Hydraulic Research, Computers & Geosciences
- Organizing a session in 2011 GSA Annual Meeting “Sediment Transport in Modern and Ancient Environments”

TEACHING**Morphodynamics and Quantitative Stratigraphy (GEO 391):**

- Fall 2009, Fall 2010, and Fall 2011

Sedimentary Rocks (GEO 416M):

- Spring 2010, Summer 2010, Spring 2011, and Summer 2011

Sedimentary Rocks (GEO 316P):

- Spring 2012

Geomorphology and Surface Processes Seminar (GEO 291/271C):

- Spring 2011

ADVISING AND RELATED STUDENT SERVICES**PhD students, serves as supervisor:**

- Julio Leva (Fall 2010 – current; Co-advised with Steel)
- Katie Delbecq (Spr 2011 – current; Co-advised with Mohrig)
- Jessica Kopp (Fall 2011 – current)
- Anastasia Piliouras (Fall 2011 – current)
- Valentina Rossi (Spring 2012 – current; Co-advised with Steel)

MS students, serves as supervisor:

- Erica Powell (MS. Spr 2010 – Spr 2011: Now at Southwestern Energy)
- Ellen Reid (Fall 2010 – current: Apache Corporation)
- Bryant Kopriva (Fall 2010 – current: ExxonMobil)
- Alexander Aronovitz (Fall 2010 – current; Co-advised with Johnson)

Undergraduate students, serves as supervisor:

- Elisabeth Steel (Independent study, Spr 2010 – current)
- Abid Abdelaziz (Honor’s program, Spring 2011 – current)
- Eric Swenson (ESI undergraduate research program, Sum 2011 – current)
- Brandee Carlson (Honor’s program, Spring 2012 – current)

Dissertation Committee (PhD):

- Ryan Ewing (10/15/09, Kocurek), Brandon McElroy (10/23/09, Mohrig), Darrin Burton (4/1/11, Wood), Chris Mirabito (8/2/11, Dawson, ICES), Aymeric Peyret (11/22/11, Mohrig), Anjali Fernandes (Steel), Lindsay Olinde (Johnson), Brian Kiel (Wood)

Candidacy Exam Committee (PhD):

- Darrin Burton (3/4/10, Wood), John Shaw (4/26/10, Mohrig), Ethan Lake (5/17/10, Cloos), Chris Mirabito (6/17/10, Dawson, ICES), Peter Polito (9/14/10, Johnson), Brian Kiel (11/30/10, Wood), Lindsay Olinde (12/1/10, Johnson)

Thesis Committee (MS):

- Michael Ramirez (Allison)

Undergrad Honor's Thesis Committee:

- Elizabeth Rinehart (Mohrig)

RESEARCH GRANTS

National Science Foundation (\$338,381): Kim (Lead PI)

- NSF 1226729 Collaborative Research: Sea-level rise and vegetation controls on delta landform evolution: A coupled experimental and numerical modeling study (submitted January 2012).

U S Geological Survey (\$25,000): Kim (Lead PI)

- Dependence of Bed-topographic Deformation on Bed-material Suspension: Experimental Analysis (submitted October 2011)

Shell Exploration & Production Tech Co.: Kim (Co-PI)

- Development of the Next Generation of Aeolian Dune Stratigraphic Model with Application to the Jurassic Norphlet Sandstone (Project period: September 2011 – August 2012)

National Science Foundation (\$51,836): Kim (Co-PI)

- NSF 1148247 Collaborative Research: Continuous vs. episodic fluviodeltaic sedimentation - Implications for carbon sequestration and coastal restoration (submitted July 2011)

National Science Foundation (\$5,133,997): Kim (Co-PI)

- NSF 1135436 FESD Type II: Developing Coupled Geomorphic-Circulation Models of Hurricane Impact: A Center for Predicting Coastal System Response and Societal Hazards (submitted March 2011)

National Science Foundation (\$3,020,000): Kim (Co-PI)

- NSF 10-577 FESD Type II: A Delta Dynamics Collaboratory (Project period: December 2011 – November 2016)

National Science Foundation (\$358,537): Kim (Lead PI)

- NSF 09-537 Collaborative Research: Tectonic and vegetation controls on delta landform evolution: A coupled experimental and modeling study toward the Mississippi Delta restoration (submitted January 2011)

American Chemical Society – Petroleum Research Fund (\$100,000): Kim (Sole PI)

-
- PRF# 50793-DNI8 Decoupling tectonic and autogenic controls on the development of cyclic fluvial strata: Flume experiments (Project period: January 2011 – August 2013)

University of Texas Faculty Development – Program Summer Research Assignment: Kim (Sole PI)

- Decoupling allogenic forcing from autogenic processes in the sedimentary record: Flume experiment (2 Months of Summer Salary, 2011)