

DOUGLAS A. EDMONDS

CURRICULUM VITAE



Work Address:
Indiana University
1001 E. Tenth St
Bloomington, IN 47405
Email: edmondsd 'at' Indiana.edu

APPOINTMENTS

Associate Professor	Indiana University Malcolm and Sylvia Boyce Chair	2017-
Assistant Professor	Department of Geological Sciences	2012-2017
Assistant Professor	Boston College , Department of Earth and Environmental Sciences	2010-2012
Post-doctoral Researcher	National Center for Earth Surface Dynamics and Saint Anthony Falls Laboratory University of Minnesota Modeling and Prediction of the Mississippi Delta Advisor: Dr. Chris Paola	2009-2010

EDUCATION

Ph.D.	The Pennsylvania State University , Department of Geosciences Dissertation title: Growth and Evolution of Distributary Deltas Advisor: Dr. Rudy Slingerland	2009
M.Sc.	The Pennsylvania State University , Department of Geosciences Thesis title: Mechanics of Middle-ground Bar Formation: Implications for the Morphodynamics of Delta Channel Networks Advisor: Dr. Rudy Slingerland	2006
B.Sc.	Saint Louis University , <i>summa cum laude</i> , Department of Earth and Atmospheric Sciences	2003

SELECTED AWARDS and FELLOWSHIPS

IU Trustees Teaching Award Winner	2016
Editors' Citation for Excellence in Refereeing for <i>Geophysical Research Letters</i>	2015
Alfred P. Sloan Research Fellow in Ocean Sciences	2014-2016
Certificate of Recognition for exemplary oral presentation, AAPG/SEPM	2011
Outstanding Teaching Assistant Award, National Association of Geosciences Teachers	2007
1 st Prize for Best Presentation, 8 th International Conference of Fluvial Sedimentology	2005

PEER-REVIEWED JOURNAL ARTICLES

*student or post-doc author advised or mentored by Edmonds

Millard, C., Hajek, E., **Edmonds, DA**, Evaluating controls on crevasse-spays size: Implications for floodplain-basin filling, *Journal of Sedimentary Research*, *in review*

31. *Moron, S., **Edmonds, D.A.**, Amos, K., (2016) The role of floodplain width and alluvial bar growth as a precursor for the formation of anabranching rivers, *Geomorphology*, DOI: 10.1016/j.geomorph.2016.10.026
30. Rossi, VM, Kim, W, Lopez, JL, **Edmonds, DA**, Geleynse, N, Olariu, C, Steel, R, Hiatt, M, and Passalacqua, P, (2016) Impact of tidal currents on delta-channel deepening, stratigraphic architecture and sediment bypass beyond the shoreline, *GEOLOGY*, DOI: 10.1130/G38334.1
29. **Edmonds, DA**, Hajek, EA, *Downton, N, and Bryk, A, (2016) Avulsion flow-path selection on rivers in foreland basins, *GEOLOGY*, doi:10.1130/G38082.1
28. *David, S.R., **Edmonds, D.A.**, Letsinger, S., (2016) Controls on the occurrence and prevalence of floodplain channels in meandering rivers, *Earth Surface Processes and Landforms*, doi: 10.1002/esp.4002
27. Twilley, RT, Bentley, SJ, Chen, QJ, **Edmonds, DA**, Hagen, SC, Lam, N, Willson, CS, Xu, K, Braud, D, Peale, HR, (2016), Co-evolution of wetland landscapes, flooding and human settlement in the Mississippi River Deltaic Plain, *Sustainability Science*, 1-21, doi: 10.1007/s11625-016-0374-4
26. Tejedor, A., Longias, A, *Caldwell, RC, **Edmonds, DA**, Zaliapin, I, and Foufoula-Georgiou, E, (2016), Quantifying the signature of sediment composition on the topologic and dynamic complexity of river delta channel networks and inferences towards delta classification, *Geophys. Res. Lett.*, 43, doi: 10.1002/2016GL068210.
25. *Nardin, W., **Edmonds, D.A.**, and Fagherazzi, S., (2016) Influence of vegetation on spatial patterns of sediment deposition in deltaic islands during flood *Advances in Water Resources*, 10.1016/j.advwatres.2016.01.001
24. Sawyer, A. H., **Edmonds, D. A.**, and D. Knights (2015), Surface water-groundwater connectivity in deltaic distributary channel networks, *Geophys. Res. Lett.*, 42, doi:10.1002/2015GL066156.
23. *Nijhuis, A., **Edmonds, DA.**, *Caldwell, RL, Cederberg, JA, Slingerland, RL, Best, JL, Parsons, DR, and Robinson, RAJ, (2015) Fluvio-deltaic avulsions during relative sea-level fall, *Geology* DOI:10.1130/G36788.1
22. Fagherazzi, S. **Edmonds, D.A.**, Nardin, W., Leonardi, N., Canestresli, A., Falcini, F., Jerolmack, D., Mariotti, G., Rowland, J.C., and Slingerland, R.L., (2015) Dynamics of river mouth deposits, *Review of Geophysics*, 10.1002/2014RG000451
21. *Burpee A.P., Slingerland, R.L., **Edmonds, D.A.**, Parsons, D., Best, J., Cederberg, J., McGuffin, A., *Caldwell, R.L., *Nijhuis, A., and Royce, J., (2015) Grain size control on the morphology and stratigraphy of river-dominated deltas, *Journal of Sedimentary Research*, 10.2110/jsr.2015.39
20. Liang, M.L., N.G. Geleynse, **Edmonds, D.A.**, and P.P. Passalacqua, (2015) A reduced-complexity model for river delta formation: Part II – Validation of the flow routing scheme, *Earth Surface Dynamics* 3.1, p. 87-104
19. *Nardin, W., and **Edmonds, D.A.**, (2014) Optimal vegetation height for sedimentation in deltaic marshes, *Nature Geoscience*, v. 7, no. 10, p. 722-726.
18. *Caldwell, R.C., and **Edmonds, D.A.**, (2014) A numerical modeling study of the effect of sediment properties on delta process and morphology *JGR-Earth Surface*, doi: 10.1002/2013JF002965
17. Hajek, E.A., and **Edmonds, D.A.**, (2014) Is river avulsion style controlled by floodplain morphodynamics? *Geology*, doi:10.1130/G35045.1
16. Canestrelli, A., *Nardin, W., **Edmonds, D.A.**, Fagherazzi, S., and Slingerland R.L., (2014) Importance of frictional effects and jet instability on the morphodynamics of river mouth bars and levees *JGR-Oceans*, 119, doi:10.1002/2013JC009312
15. **Edmonds, D.A.** and Caldwell, R.C., (2014) River Delta Processes and Shapes, *Encyclopedia of Natural Resources*, ed. Y.Q. Wang
14. *Nardin, W., Mariotti, G., **Edmonds, D.A.**, Guerico, R., and Fagherazzi, S., (2013), Growth of river mouth bars in sheltered bays in the presence of frontal waves, *J. Geophys. Res. Earth Surf.*, 118, 872–886, doi:10.1002/jgrf.20057.
13. Snyder, N.P., Nesheim, A.O., Wilkins, B.C., and **Edmonds, D.A.**, (2013) Predicting grain size in gravel-bedded rivers using digital elevation models: application to paraglacial watersheds in Maine. *Geological Society of America Bulletin* 125.1-2 (2013): 148-163
12. **Edmonds, D.A.** (2012) Restoration Sedimentology, *Nature Geoscience*, 5 (11): 758 DOI: 10.1038/ngeo1620
11. **Edmonds, D. A.**, (2012) Stability of backwater influenced bifurcations: a study of the Mississippi-

- Atchafalaya bifurcation. *Geophysical Research Letters*, 39, L08402, doi:10.1029/2012GL051125.
10. **Edmonds, D. A.**, Paola, C., Hoyal, D., Sheets, B. (2011) Metrics to quantify the morphology of river deltas and their channel networks. *Journal of Geophysical Research—Earth Surface*, doi:10.1029/2010JF001955
 9. **Edmonds, D.A.**, Shaw, J., and Mohrig, D., (2011) Topset-dominated deltas: a new model for river delta stratigraphy, *Geology*, 39, p. 1175–1178; doi:10.1130/G32358.1
 8. Paola, C., Twilley, R., **Edmonds, D. A.**, Kim, W., Mohrig, D., Parker, G., Viparelli, E., Voller, V. (2011) Natural Processes in Delta Restoration: Application to the Mississippi Delta. *Annual Reviews of Marine Science*, 25.
 7. Wolinsky, M., **Edmonds, D. A.**, Martin, J., Paola, C. (2010). Delta Allometry: Growth Laws for River Deltas. *Geophysical Research Letters*, 37, L21430, doi:10.1029/2010GL044592.
 6. **Edmonds, D.A.**, R.L. Slingerland, J. Best, D. Parsons, N. Smith (2010), The response of river-dominated delta networks to permanent changes in river discharge, *Geophysical Research Letters*, 37, L12404, doi:10.1029/2010GL043269.
 5. **Edmonds, D. A.**, and R. L. Slingerland (2010), Significant effect of sediment cohesion on delta morphology, *Nature-Geoscience*, 3, 105–109, doi:10.1038/ngeo730.
 4. **Edmonds, D.A.**, D. Hoyal, B. Sheets, and R. Slingerland (2009), Predicting delta avulsions: Implications for coastal wetland restoration, *Geology*, 37, 759–762, doi:10.1130/G25743A.1.
 3. Smith, N.D., Perez-Arlucea, M., **Edmonds, D.A.**, and Slingerland, R.L., (2009) Elevation adjustments of paired natural levees during flooding of the Saskatchewan River, *Earth Surface Processes and Landforms*, doi: 10.1002/esp.1792
 2. **Edmonds, D. A.**, and R. L. Slingerland (2008), Stability of delta distributary networks and their bifurcations, *Water Resources Research*, 44, W09426, doi:10.1029/2008WR006992.
 1. **Edmonds, D. A.**, and R. L. Slingerland (2007), Mechanics of river mouth bar formation: Implications for the morphodynamics of delta distributary networks, *Journal of Geophysical. Research*, 112, F02034, doi:10.1029/2006JF000574

EXTERNAL GRANTS FUNDED

**National Science Foundation: Directorates for Geoscience & Engineering
Earth Sciences Division**

Coastal Science, Engineering, and Education for Sustainability (NSF 1426997)

Collaborative Research: Changes in actual and perceived coastal flood risks due to river management strategies, \$232,615

2014-2018

Chevron Energy and Technology Company

Forward numerical model of stratal architecture in deltaic environments, \$50,000

2014-2017

ExxonMobil Upstream Research Company

Forward numerical model of stratal architecture in deltaic environments, \$55,454

2014-2015

Alfred P. Sloan Foundation—Ocean Sciences

Understanding the effects of vegetation on river delta resiliency, \$50,000

2014-2018

American Chemical Society, Petroleum Research Fund

New Directions Grant (ACS/PRF 54670-ND8)

A theoretical and field-based study on the formation and shape of fluvial levees, \$110,000

2014-2017

National Science Foundation: Directorate for Geosciences

Earth Sciences Division

Geomorphology and Landuse Dynamics Program (NSF 1249330)

Defining controls on incisional avulsions in alluvial basins, \$112,307

2012-2016

National Science Foundation: Directorate for Geosciences

Ocean Sciences Division

Frontiers in Earth Systems Dynamics Program (NSF 1135427)
A Delta Dynamics Collaboratory, subcontract of \$291,951 to Edmonds

2011-2017

National Science Foundation: Directorate for Geosciences
Ocean Sciences Division
Marine Geology and Geophysics (NSF 1061380)
Catchments and Coastlines--The Influence of Sediment Load and Type on Delta
Morphodynamics and Deposits, \$149,338

2011-2014

INVITED TALKS

IUPUI	Fall 2015
Keynote, Geological Society of London Paralic Conference	Spring 2015
Michigan State University	Fall 2015
University of Illinois (civil engineering)	Fall 2014
Rice University	Spring 2014
University of Kentucky, Louisiana State University	Fall 2013
University of Illinois	Spring 2013
University of Delaware	Spring 2012
Tulane University, Department of Earth Sciences	Fall 2011
Penn State University, Department of Geosciences	Fall 2011
Weston Geophysical Observatory	Spring 2011
Boston University, Department of Earth Sciences	Fall 2010
Woods Hole Oceanographic Institute, Dept. of Geology and Geophysics	Fall 2010
University of Texas, Jackson school of Geosciences	Fall 2009
University of Wisconsin-Madison, Department of Geological Sciences	Spring 2009
University of Massachusetts-Amherst, Dept. of Geosciences	Spring 2008
Saint Louis University, Dept. of Earth and Atmospheric Sciences	Spring 2008

PROFESSIONAL SERVICE

Panelist, NSF--Critical Zone Observatory Panelist (2013), Geomorphology and Landuse dynamics (2014, 2015)

Organized and ran a workshop on modeling in Delft3D at the Community Surface Dynamics Modeling System (CSDMS) annual meeting 2011

Member of the clastic stratigraphy planning committee for AAPG 2012

Organized sessions at AGU, GSA, AAPG meetings on topics ranging from deltas, to avulsions, to quantitative stratigraphy

Reviewer for National Science Foundation, Geology, Journal of Sedimentary Research, Sedimentology, Journal of Geophysical Research, Geophysical Research Letters, Geomorphology, and Earth Surface Processes and Landforms

Member of American Geophysical Union, Geological Society of America, SEPM, AAPG

LEADERSHIP EXPERIENCE

Elected as a participant in the 2011 Marine Geosciences Leadership Symposium	2011
Elected as a participant in the 2011 SERC workshop for young faculty in Geosciences	2011
Elected as a member of the policy committee at Indiana University Dept. of Geology	2013-2014

STUDENTS SUPERVISED

Ph.D.: Rebecca Caldwell, Elizabeth Olliver, Scott David, Jeffrey Valenza M.S.: Graham Johnston	current
Amanda Whaling, B.S. in Geological Sciences from IU, <i>Honors</i> Thesis Title: <i>Quantifying avulsion activity on river deltas</i>	2015-2016
Elizabeth Olliver, Master's Degree from IU Thesis Title: <i>Ecogeomorphic succession of deltaic islands within Wax Lake Delta, USA</i>	2013-2016
Steven Davey, Master's Degree from IU Thesis Title: <i>Modelling the size, shape, and connectivity of stratal bodies in large-scale deltaic systems</i>	2013-2016
Scott David, Master's Degree from IU Thesis title: <i>Mapping floodplain morphological variability: implications for control on floodplain channel development</i>	2012-2014
Austin Nijhuis, Master's degree from Boston College Thesis title: <i>Effect of relative sea-level rise on delta morphodynamics</i>	2011-2013
Rebecca Caldwell, Master's degree from Boston College Thesis title: <i>The influence of sediment load and type on delta morphology and sedimentology</i>	2010-2013
Katy McGuire, BSc degree from Penn State Thesis title: <i>Testing a model of river mouth bar sedimentology</i>	2007-2008

TEACHING EXPERIENCE

Professor , Indiana University	
G690, Fluvial Processes and Sediment Transport	Sp 2016
G690, Fluvial Seminar	Sp 2015
G690, Mathematical Modeling in Geosciences	Fall 13, 17
G334, Sedimentology and Stratigraphy	F13, 14, 15, 16
G131, Oceanography	Sp 13, 14
Professor , Boston College	
GE693, Environmental Sciences Seminar	Fall 2010
GE264, Sedimentology and Stratigraphy	Spring 2011
GE405, Fluid flow and sediment transport	Fall 2011
GE132, Exploring the Earth	Fall 2011
GE167, Environmental Geoscience	Spring 2012
GE376, Sedimentary Petrology	Spring 2012

SELECTED PRESENTATIONS

*student or post-doc author advised or mentored by Edmonds

*Whaling, A., **Edmonds, D.**, *Caldwell, R., "Quantifying avulsion activity on river deltas from 1984-2012," North-Central Geological Society of America Annual Meeting, Champaign, IL. (April 18, 2016)

*Caldwell, R. L., **Edmonds, D. A.**, Best, J. L., Parsons, D. R., Slingerland, R. L., AAPG 2016, "Morphodynamic stratigraphy of river-dominated deltaic bars," American Association of Petroleum Geologists Annual Convention & Exhibition, Calgary, Alberta, Canada. (June 22, 2016)

Tejedor, Alejandro; Longjas, Anthony; Caldwell, Rebecca; **Edmonds, Douglas**; Zaliapin, Ilya; Foufoula-Georgiou, Efi, EGU 2016, "Moving beyond the Galloway diagrams for delta classification: A graph-theoretic approach," European Geosciences Union General Assembly 2016, Vienna, Austria. (April, 2016)

- *Caldwell, R. L., **Edmonds, D. A.**, Baumgardner, S. E., *Whaling, A., AGU 2015 “Developing a truly global delta database to assess delta morphology and morphodynamics,” American Geophysical Union Fall Meeting, San Francisco, CA. (December 17, 2015)
- Tejedor, A., Longias, A., *Caldwell, R., **Edmonds, D.**, Zaliapin, I., Foufoula-Georgiou, E., AGU 2015, “Moving beyond the Galloway diagrams for delta classification: Connection morphodynamic and sediment-mechanistic properties with metrics of delta channel network topology and dynamics,” American Geophysical Union Fall Meeting, San Francisco, CA. (December 17, 2015)
- *Olliver, EO, **Edmonds, DA**, The ecogeomorphic development and resiliency of the coastal deltaic system of Wax Lake Delta, Coastal, Estuarine Research Conference, Portland, OR, 2015
- Parsons, D., Burpee, A., Slingerland, R., **Edmonds, D.**, Best, J., Cederberg, J., McGuffin, A., *Caldwell, R., *Nijhuis, A., IAS 2015, “Grain size controls on the morphology and stratigraphy of river-dominated deltas,” 31st International Association of Sedimentology Meeting of Sedimentology, Krakow, Poland (June, 2015)
- *Davey, S, **Edmonds, D**, Hoyal, D, Demko, T., Modeling the size, shape, and connectivity of stratal bodies in river, wave, and tide-dominated deltas, AAPG annual meeting, 2015
- *Nardin W., **D. A. Edmonds** and S. Fagherazzi, Freshwater vegetation influence on sediment spatial distribution in river delta during flood, *Coastal Sediment*, San Diego, May 2015,
- *Nardin W., **Douglas Edmonds**, Sergio Fagherazzi, Growth and evolution of river mouth bars under wave attack, *AGU Fall meeting, San Francisco, USA, December 2014.*
- *Olliver E., **Douglas A. Edmonds**, *William Nardin. The role of vegetation in the development and resiliency of a coastal freshwater deltaic system, *AGU Fall meeting, San Francisco, USA, December 2014.*
- *David SR; **Edmonds DA**, Letsinger SL, Hajek EA, Geomorphic mapping of floodplain accessory channels with implications for floodplain morphodynamics *American Geophysical Union, San Francisco. (December 9, 2013)*
- Canestrelli, A, *Nardin, W., **Edmonds DA**, Fagherazzi, S., Slingerland, RL, Three dimensional numerical modeling of shallow jets: importance of frictional effects on the morphodynamics of river mouth bars and levees. *American Geophysical Union, San Francisco. (December 9, 2013)*
- Liang, M., Geleynse, N., Passalacqua, P., **Edmonds, DA**, Kim W., Voller, V, Validation of a parcel-based reduced-complexity model for river delta formation, *American Geophysical Union, San Francisco. (December 9, 2013)*
- Edmonds, DA**, and Hajek EA, A theoretical and field-based study on the formation and shape of fluvial levees, *American Geophysical Union, San Francisco. (December 9, 2013)*
- Royce, J, Parson, DP, Best, J., **Edmonds DA**, Slingerland RL, Bifurcations and delta planform stability: the role of substrate cohesion, *American Geophysical Union, San Francisco. (December 9, 2013)*
- *Nardin, W, and **Edmonds DA**, Ideal vegetation height for sedimentation in deltaic marshes, *American Geophysical Union, San Francisco. (December 9, 2013)*
- *Caldwell, RL, **Edmonds DA**, A morphodynamic link between grain size and delta morphology, ICFS 2012, Leeds UK

- Edmonds DA**, Hajek, EA, Is river avulsion style controlled by floodplain morphodynamics ? ICFS 2012, Leeds UK
- Hajek EA, Straub, K, **Edmonds DA**, Millard, C, Exploring the influence of channel and floodplain morphodynamics on river avulsion and alluvial basin filling, ICFS 2012, Leeds UK
- Cederberg J., Slingerland, RL, **Edmonds, DA**, Best J, Parsons D, Burpee A, Caldwell R, Lynton B, McGuffin, A, The Effects of Relative Base Level Fall on River Deltas: A Quantitative Assessment, *AAPG Annual Meeting, 2013*
- Twilley, R., Bevington, A., Day, J., Casteneda, E., Rivera-Monroy, V., **Edmonds, D.**, and Nardin, W., Wetlands and Water Quality : How an ecogeomorphic approach may resolve a pendulum of scientific paradigms , policies, and applications. *Coastal and Estuarine Research Foundation Annual Meeting, Nov. 2013, San Diego, CA*
- Hajek, E.A., **Edmonds, D.A.**, Millard, C., Toms, L., Fogaren, C., Records of transient avulsion-related river patterns in ancient deposits: evidence for different styles of channel-floodplain coupling (Invited), American Geophysical Union, San Francisco. (December 9, 2012)
- Slingerland, R., **Edmonds, D.A.**, et al., Morphodynamics and Sedimentology of a Falling Stage Sandy Fjord Delta, Goose River, Labrador, American Geophysical Union, San Francisco. (December 9, 2012)
- (INVITED) **Edmonds, D.A.**, Shaw, J., Mohrig, D., Pyles, D., and Moss-Russell, A., Numerical Modeling and Field Measurement of Topset and Foreset-dominated deltas, GSA Annual Meeting, Charlotte, NC 2012
- *Caldwell, R.L., and **Edmonds, D.A.**, Grain size control on the morphology of deltas and their distributary channels, GSA Annual Meeting, Charlotte, NC 2012
- Slingerland, R, **Edmonds, D. A.**, AGU 2011, "The Role of Vegetation in the Forms of Tropical Lowland Deltas," American Geophysical Union, San Francisco. (December 9, 2011).
- Snyder, N. P., Nesheim, A. O., Wilkins, B. C., **Edmonds, D. A.**, Fall Meeting 2011, "Predicting bed grain size in threshold channels using lidar digital elevation models," American Geophysical Union, San Francisco, CA. (December 9, 2011).
- Burpee, A., Slingerland, R., **Edmonds, D. A.**, AGU 2011, "Relationships between sediment caliber and delta shoreline geometry and stratigraphy," American Geophysical Union, San Francisco. (December 6, 2011).
- Caldwell, RL., **Edmonds, D. A.**, AGU 2011, "The effect of grain size distribution on river delta morphology," American Geophysical Union, San Francisco. (December 6, 2011).
- Edmonds, D. A.**, AGU 2011, "Will the Atchafalaya River Capture the Lower Mississippi River?," American Geophysical Union, San Francisco. (December 6, 2011).
- Millard, C., Hajek, E., **Edmonds, D. A.**, Geological Society of America Annual Meeting, "COMPARISON OF FLOODPLAIN AND AVULSION-ASSOCIATED DEPOSITS IN ANCIENT FLUVIAL SUCCESSIONS: IMPLICATIONS FOR CREVASSE-SPLAY DEPOSITION AND AVULSION STYLE," GSA, Minneapolis, MN. (October 2011).
- Edmonds, D. A.**, Hajek, E., Smith, P., Millard, C., Geological Society of America Annual Meeting, "Controls on the thicknesses of heterolithic deposits below avulsion channels," Minneapolis, MN. (October 10, 2011).

- Edmonds, D. A.**, Shaw, J., Mohrig, D., Geological Society of America Annual Meeting, "Topset-dominated deltas: A new model for river delta stratigraphy." (October 10, 2011).
- Edmonds, D. A.**, American Association of Petroleum Geologists Annual Meeting, "Defining the First Order controls on delta stratigraphy," Houston, TX. (April 2011).
- Liang, M., Voller, V., **Edmonds, D. A.**, Paola, C., AGU Fall Meeting, "Toward a Reduced Complexity Channel Resolving Model for Sedimentary Delta Formation," American Geophysical Union, San Francisco. (December 17, 2010).
- Parsons, D, **Edmonds, D. A.**, Best, J., Slingerland, R., 18th ISC conference, "Deltaic morphodynamics and bifurcation stability: Wax Lake Delta, LA, USA," International Sedimentologic Conference, Mendoza, Argentina. (September 27, 2010).
- Parsons, D., **Edmonds, D. A.**, Best, J., Slingerland, R., 18th ISC conference, "Deltaic morphodynamics and bifurcation stability: Wax Lake Delta, LA, USA," International Sedimentologic Conference, Mendoza, Argentina. (September 27, 2010).
- Edmonds, DA**, Hoyal, DCJD, Sheets, BA, and Slingerland, RL, Downstream control on distributary channel avulsion, AAPG Annual Meeting, 2008, San Antonio, TX
- Edmonds, DA**, et al., A stability diagram for fine-grained cohesive bifurcations, EOS (American Geophysical Union Transactions), Fall Meeting 2007
- Edmonds, DA**, Hoyal, DCJD, Sheet, B, and Bloch, RB, On the nature of delta distributary channel fill, AAPG Annual Meeting, 2007, Long Beach, CA
- Edmonds DA**, et al., The Morphology and Stability of Bifurcations in the Mossy River Delta, Saskatchewan Canada, EOS (American Geophysical Union Transactions), Fall Meeting, 2006
- Edmonds, DA**, and Slingerland, RL, Genesis and Shapes of Delta Distributary Networks, AAPG annual meeting, 2006, Houston, TX
- Edmonds, DA**, and Slingerland, RL, Mechanics of River-dominated Delta Bifurcations, 8th International Conference on Fluvial Sedimentology, Delft, Netherlands, Aug. 8-12, 2005.
- Edmonds, DA**, Slingerland, RL, and DeSibour, RM, Geometric Properties of Bifurcating Delta Distributary Delta Channels, EOS (American Geophysical Union Transactions), Fall Meeting, 2004