

**Dr. Janok P. Bhattacharya**  
**Curriculum Vitae - 2018**

**Educational History:**

- 1989      **Ph.D.** - McMaster University, Hamilton, Ontario, Canada  
1981      **B.Sc. (hons.)** - Memorial Univ. of Newfoundland, St. John's, Canada

**Employment History:**

- 2017-present: **Acting Director, School of Geography and Earth Sciences**, McMaster  
2013-present: **Susan Cunningham Research Chair in Geology**, McMaster University  
2016-17: **Associate Director (Graduate Studies)**, McMaster University  
2014-15:      **Acting Associate Director (Graduate Studies)**, McMaster University  
2012-13:      **Associate Chair and Chairman** - University of Houston  
2005-13:      **Robert Sheriff Professor of Sequence Stratigraphy** - University of Houston  
1998-05:      **Associate Professor & Professor** - University of Texas at Dallas  
1997-98:      **Senior Research Geologist** - ARCO, Plano, Texas  
1995-97:      **Research Associate** - Bureau of Economic Geology, UT Austin  
1991-95:      **Research Geologist** - ARCO, Plano, Texas  
1989-91:      **Project Geologist** - Alberta Research Council, Edmonton, Canada  
1989:          **Sessional Instructor** - Memorial University of Newfoundland, Canada  
1981-84:      **Explorationist** - Esso Resources Canada Ltd., Calgary, Alberta

**External Volunteer Service:**

- 2014-2016:    **President Elect & President**, SEPM  
2011-2013:    **Sedimentology Councilor**, SEPM  
2007-2009:    **President Elect, President, Past-president**, GCSSEPM  
2006-2008:    **SEPM Vice Chair**, AAPG 2008 Convention, San Antonio, TX  
2005-2017:    **Associate Editor**, AAPG Bulletin  
2002-present: **Associate Editor**, Journal of Sedimentary Research  
2002-04      **Technical Program Chair**, AAPG 2004 Convention, Dallas, TX  
1989-1991:    **Crisis Pregnancy Counselor**, Planned Parenthood, Edmonton, AB

**Professional Recognition and Honors:**

- 2013          AAPG Charles H. Taylor Fellow  
2011          SEPM Certificate of Recognition, for excellence of technical presentation  
2010          GCAGS Outstanding Educator Award  
2007          AAPG Grover E. Murray Memorial Distinguished Educator Award  
2005          AAPG SW Section Distinguished Educator Award  
2005          AAPG Distinguished Lecturer 2005-2006  
2004          Best Oral Presentation, CSPG Annual Meeting  
2004          Certificate of Merit, AAPG  
2004          Professional Service Award, Dallas Geological Society  
2002          Houston Geological Society, Best Oral Paper Award  
2002          Frank Kottowski Memorial Presentation Award, AAPG/EMD  
2001          AAPG A.L. "Al" Cox Award, best poster  
1999          SEPM Appreciation Award  
1993          ARCO Exploration Research and Technical Services Award of Excellence

**Professional Memberships:**

Society for Sedimentary Geology-SEPM, International Assoc. of Sedimentologists- IAS,  
American Assoc. of Petroleum Geologists -AAPG, Geological Society of America-GSA,  
Canadian Soc. Petroleum Geologists -CSPG, Geological Assoc. of Canada-GAC

**Publications:**

*Books:*

Copeland, P., and Bhattacharya, J.P., *submitted*, The Rock Record: Stories of Our Geologic History. Proposal submitted to Cambridge press. We have written three sample chapters:

1. **Rocks: the pages of our geologic history**
2. **The Cambrian Explosion, the Burgess Shale and the diversity of life**
3. **The Cretaceous Extinction**

*Refereed Papers: submitted:*

96. Bhattacharya, J.P., Li, W., and Zhu, Y., *submitted*, Sequence Stratigraphy in Paralic Systems - Exercise 9.2: High-Resolution Sequence Stratigraphy of the Ferron Notom wedge, Utah. in Abreu, V., Neal, J., Bohacs, K.M., and Kalbas, J.L., eds. Sequence Stratigraphy of Siliclastic Systems - The Exxon Mobil Methodology, SEPM Concepts in Sedimentology and Paleontology, v. 9.
95. Martin, H.K., and Bhattacharya, J.P., *submitted*, Scaling relationships of rib-and-furrow structures in modern and ancient dunes and bars in rivers. *submitted to*, Sedimentary Geology.
94. Jud, N.A., D'Emic, M.D., Williams, S.A., Mathews, J.C., Tremaine, K.M., Bennett, S.C., Bhattacharya, J.P., *submitted*, A New Coastal Fossil Assemblage shows Large Angiosperm Trees Grew in North America by the Turonian. *submitted to*, Proceedings B of the Royal Society.
93. Kynaston, D., and Bhattacharya, J.P., *submitted*. Mudstone Dimensions in a Tidal Influenced Tributary Channel, Cretaceous Ferron Sandstone, Utah. *submitted to* The AAPG Bulletin.
92. Bhattacharyya, P., Wang, J., Bhattacharya, J.P., and Khan, S.D., *submitted*, Subsurface Architectural Study of Meanderbelt Deposits in the Ferron Sandstone, Hanksville, Utah with LiDAR and GPR, *submitted to* Sedimentology.
92. Aziz, A.S., Stewart, R.R., Ullah. M.S., and Bhattacharya. J.P., *in revision*, 3-D GPR Characterization of Sandy Mouth-Bar Deposits: Cretaceous Ferron Sandstone, Southeastern Utah, U.S.A., *revised version sent to*, Interpretation.
91. Famubode, O., and Bhattacharya, J.P., *in revision*, Hydromorphic paleosol interpretations of an ancient coastal floodplain, Cretaceous Ferron Notom Delta, Utah, USA., *submitted to* Sedimentology.

*Refereed Papers: in press*

90. Li, Y., Bhattacharya, J.P., Garza, D., Ahmed, S., *in press*, Facies architecture and paleogeography of a symmetrical, wave-influenced valley-fed delta in the Cretaceous Ferron Sandstone, Utah, USA. The Journal of Sedimentary Research.
89. Richards, B., and Bhattacharya, J.P., *in press* Stratigraphy of the Fluvial to Marine Transition Zone Associated with a Forced Regressive Compound Incised

Valley System in The Turonian Ferron-Notom Delta, Utah, The Journal of Sedimentary Research.

88. Kimmerle, S., and Bhattacharya, J.P., *in press*, Facies, Backwater Limits, and Paleohydraulic Analysis of Rivers within a Forced-Regressive, Compound Incised Valley, Cretaceous Ferron Sandstone, Utah, The Journal of Sedimentary Research.
87. Barker, D.C., and Bhattacharya, J.P., 2017, Sequence Stratigraphy on an Early Wet Mars, Planetary and Space Science, doi: 10.1016/j.pss.2017.11.012.

*Published Articles in Refereed Books and Journals:*

86. Wang, J., and Bhattacharya, J.P., 2017, Plan-view Paleochannel Reconstruction of Meanderbelts, Cretaceous Ferron Sandstone, Notom Delta, South-Central Utah, U.S.A., The Journal of Sedimentary Research, v. 88, p.58-74, doi.org/10.2110/jsr.2017.77
85. Alonso de Linaje de Nicolás, V., Khan, S.D., and Bhattacharya, J.P., 2018, Study of carbonate concretions in the Frontier Formation using imaging spectroscopy. International Journal of Applied Earth Observation and Geoinformation, v.66, p. 82-92.
84. Biber, K., Khan, S.D., Bhattacharya, J.P., Barton, M.D., and Glennie, C.L., 2017, Quantitative characterization of shales within tidally influenced fluvial valley fill deposits of the Ferron Sandstone, eastern Utah: Implications for hydrocarbon exploration, AAPG Bulletin, v. 101, p. 1599-1623.
83. Bhattacharya J.P. and MacEachern, J.A, 2017, Shallow thinking in deep time. CSPG Reservoir, V.44 (5), 20-22.
82. Pemberton, S.G., Bhattacharya, J.P., MacEachern, J.A., and Pemberton, E.A., 2017, Unsung Pioneers of Sequence Stratigraphy; Eliot Blackwelder, Joseph Barrell, Amadeus Grabau, John Rich and Harry Wheeler. Stratigraphy. v. 13, 223–243.
81. Sharma, S., Bhattacharya, J.P., and Richard, B.H., 2017, Source-to-sink sediment budget analysis of the Cretaceous Ferron Sandstone, Utah using the Fulcrum approach, Journal of Sedimentary Research. v. 87, p.594-608.
80. Lin, W., and Bhattacharya, J.P., 2017, Estimation of Source-To-Sink Mass Balance by a Fulcrum Approach Using Channel Paleohydrologic Parameters of the Cretaceous Dunvegan Formation, Canada: Implications for exploration. Journal of Sedimentary Research, v. 87 (1), p. 97-116.
79. Huang, C., and Bhattacharya, J.P., 2017, Shale Mechanics of Mouth-Bar Point Sourced Growth Faults Within Outcrops of the Cretaceous Ferron Notom Delta, Utah, USA, Marine and Petroleum Geology. v. 81, p. 237-251.
78. Pemberton, S.G., Bhattacharya J.P., MacEachern, J.A., and Pemberton, E., 2016, Harry Eugene Wheeler (1907- 1987): A Pioneer of Sequence Stratigraphy, Stratigraphy, v. 13, p. 95-110.
77. Wu, C., Bhattacharya, J.P., Lu, J and Ullah, M., 2016, Formation of Point Bars through Rising and Falling Flood Stages: Examples from Cretaceous Ferron Sandstone, Southeastern Utah, U.S.A., Sedimentology. v.63, p.1458-1473.

76. Snyder, C.J., Khan, S.D., Wright, D., Bhattacharya, J.P., and Glennie, C., 2016, Thin-bedded Reservoir Analogs in an Ancient Delta Using Terrestrial Laser Scanner and High-resolution, Ground-based Hyperspectral Cameras. *Sedimentary Geology*. v. 342, p. 154-164.
75. Akyuz, I., Warny, S., Famubode, O., Bhattacharya, J.P., 2016, Palynology of the Turonian Ferron-Notom Sandstone, Utah: identification of marine flooding surfaces and Milankovitch cycles in subtropical, ever-wet, paralic to non-marine paleoenvironments. *Palynology*, v. 40 (1), p. 122-136.
74. Bhattacharya, J.P., and Abreu, V., 2016, Wheeler's Confusion and the Seismic revolution: How Geophysics Saved Stratigraphy. *SEPM, The Sedimentary Record*, v.14. p. 4-11.
73. Famubode, O., and Bhattacharya, J.P., 2016, Sequence stratigraphic analysis of the youngest non-marine sequence in the Cretaceous Ferron-Notom Delta, south central Utah, USA. *Journal of Sedimentary Research*, v. 86, p.168-198.
72. Bhattacharya, J.P., Copeland, P., Lawton, T., and Holbrook, J., 2016, Estimation of source area, river paleoslope, paleo- discharge, and sediment budgets of linked deep time depositional systems and implications for hydrocarbons, in Walsh, J.P. et al., *Earth Surface Process Connections from Mountains to Margins, Source to Sink*, *Earth-Science Reviews*, v.153, p.77-110.
71. Aziz, A., Stewart, R.R., Ullah, M.S., and Bhattacharya, J., 2015. Imaging Architectural Elements of Distributary Mouth Bars Using 3D GPR: Examples from Cretaceous Ferron Sandstone, Notom Delta, South-East Utah. *Symposium on the Application of Geophysics to Engineering and Environmental Problems 2015*: pp. 369-373.  
<https://doi.org/10.4133/SAGEEP.28-053>
70. Li, Z., Bhattacharya, J.P., and Schieber, J., 2015, Evaluating along-strike variation using thin-bedded facies analysis, Upper Cretaceous Ferron Notom Delta, Utah, *Sedimentology*, v.67, p.2060-2089.
69. Ullah, M., Bhattacharya, J.P., and Dupré, W.R., 2015, Confluence Scours versus Incised Valleys: Examples from the Cretaceous Ferron Notom Delta, SE Utah. *Journal of Sedimentary Research*, v. 5, p. 445-458.
68. Wu, C., Bhattacharya, J.P., and Ullah, M., 2015, Paleohydrology and 3D Facies Architecture of Ancient Point Bars, Ferron Sandstone, Notom Delta, South-central, Utah. *Journal of Sedimentary Research*, v. 85, p. 399-418.
67. Bhattacharyya, P., Bhattacharya, J.P., and Khan, S.D., 2015, Paleo-Channel Reconstruction and Grain Size Variability in Fluvial Deposits, Ferron Sandstone, Notom Delta, Hanksville, Utah. *Sedimentary Geology*, v. 325, p. 17-25.
66. Torrado, L., Mann, P. and Bhattacharya, J., 2014, Application of seismic attributes and spectral decomposition for reservoir characterization of a complex fluvial system: Case study of the Carbonera Formation, Llanos foreland basin, Colombia, *Geophysics* v. 79, No. 5; p. B221-B230.

65. Gani, M.R., Nyman, S., Bhattacharya, J.P., and Lee, K., 2014, Origin and distribution of calcite concretions in Cretaceous Wall Creek Member, Wyoming: reservoir-quality implication for shallow-marine deltaic strata, *Cretaceous Research*, v. 48, p. 39-152.
64. Li, Y., and Bhattacharya, J.P., 2014, Facies Architectural Study of a Lower-Delta-Plain Distributary Channel System in the Ferron Notom Delta, Southern Utah, *Sedimentology*, v. 61(5), p. 1452-1483, doi: 10.1111/sed.12104
63. Ahmed, S., Bhattacharya, J.P., Garza, D.E, Li, Y., 2014, Facies Architecture and Stratigraphic Evolution of a River-Dominated Delta Front, Turonian Ferron Sandstone, Utah. *JSR*, v. 84(2), p. 97-121.
62. Li, Y. and Bhattacharya, J.P., 2013, Facies-Architecture Study of a Stepped, Forced Regressive Compound Incised Valley in the Ferron Notom Delta, Southern Central Utah, U.S.A. *Journal of Sedimentary Research*. v. 83, p. 206-225.
61. Zhu, Y., Bhattacharya, J.P., Li, W., Lapen, T.J., Jicha, B., and Singer, B., 2012, Milankovitch-Scale Sequence Stratigraphy and Stepped Forced Regressions of the Turonian Ferron Notom Deltaic Complex, South-Central Utah, U.S.A., *Journal of Sedimentary Research*, v. 82, p. 723-746.
60. Holbrook, J., and Bhattacharya, J.P., 2012, Reappraisal of the Sequence Boundary in Time and Space: Case and Considerations for an SU (Subaerial Unconformity) that is not a Sediment Bypass Surface, a Time Barrier, or an Unconformity. *Earth-Science Reviews*. v. 113, p. 271-302.
59. Li, W., Zhu, Y., and Bhattacharya, J.P., 2012, Stratigraphic uncertainty in sparse vs. rich data sets in a fluvial-deltaic outcrop analogue: Ferron "Notom delta", Henry Mountains region of Utah, USA. *AAPG Bulletin*, v. 96, p. 415-438.
58. Perov, G., and Bhattacharya, J.P., 2011, Pleistocene Shelf-Margin Delta: Intradeltaic Deformation And Sediment Bypass, Northern Gulf Of Mexico, *AAPG Bulletin*, v. 95, p. 1617-1641, doi: 10.1306/01271109141.
57. Reijenstein, H., Posamentier, H.W., and Bhattacharya, J.P., 2011, Seismic Geomorphology and High-Resolution Seismic Stratigraphy of Inner Shelf Fluvial, Estuarine, Deltaic, and Marine Sequences, Gulf of Thailand, *AAPG Bulletin*, doi: 10.1306/03151110134v. 95, p. 1959-1990.
56. Olariu, M., Aiken, C.V., Bhattacharya, J.P., and Xu, X., 2011, Interpretation of Channelized Architecture Using Three Dimensional Photo Real Models, Pennsylvanian Deepwater Deposits at Big Rock Quarry, Arkansas, *Marine and Petroleum Geology*, v. 28(6). p.1157-1170, doi: 10.16/j.marpetgeo.2010.12.007.
55. Olariu, C., Bhattacharya, J.P., Leybourne, M.I., Boss, S.K., and Stern, R.S., 2011, Interplay between river discharge and topography of the basin floor in a hyperpycnal lacustrine delta. *Sedimentology*, v, 59(2), p.704-728, doi: 10.1111/j.1365-3091.2011.01272.x.
54. Li, W., Bhattacharya, J.P., and Wang, Y., 2011, Delta asymmetry: concepts, characteristics, and depositional models. *Petroleum Science*, v.8, p.278-289.

53. Li, W., and Bhattacharya, J.P., 2011, Architecture and depositional processes of a forced regressive series in the Turonian Ferron "Notom Delta", southern Utah, U.S.A., *Marine and Petroleum Geology*, v. 28, pp. 1517-1529.
52. Li, W., Bhattacharya, J.P., Zhu, Y., Garza, D., and Blankenship, E., 2011, Evaluating Delta Asymmetry using 3D Facies Architecture and Ichnological Analysis, Ferron Notom Delta, Capital Reef Utah, USA, *Sedimentology*, v. 58, p. 478-507.
51. Bhattacharya, J.P., 2011, Practical problems in the application of the sequence stratigraphic method and key surfaces: integrating observations from ancient fluvial-deltaic wedges with Quaternary and modelling studies. *Sedimentology*, v. 58, p. 120-169.
50. Bhattacharya J.P., 2010, Deltas, in: *Facies Models 4*. R.G. Dalrymple and N.P. James (eds). Geological Association of Canada. *Geotext*, v. 6, p. 233-264.
49. Li, W., Bhattacharya, J.P., and Campbell, C., 2010, Temporal Evolution of Fluvial Style Within a Compound Incised Valley, The Ferron Notom Delta, Henry Mountains Region, Utah, *Journal of Sedimentary Research*, v. 80. P. 529-549.
48. O. Catuneanu, J.P. Bhattacharya, M.D. Blum, R.W. Dalrymple, P.G. Eriksson, C.R. Fielding, W.L. Fisher, W.E. Galloway, P. Gianolla, M.R. Gibling, K.A. Giles, J.M. Holbrook, R. Jordan, C.G.St.C. Kendall, B. Macurda, O.J. Martinsen, A.D. Miall, D. Nummedal, H.W. Posamentier, B.R. Pratt, K.W. Shanley, R.J. Steel, A. Strasser and M.E. Tucker, 2010, Sequence stratigraphy: common ground after three decades of development. *First Break*, v. 28, p.21-34.
47. Catuneanu, O., V. Abreu, J.P. Bhattacharya, M.D. Blum, R.W. Dalrymple, P.G. Eriksson, C.R. Fielding, W.L. Fisher, W.E. Galloway, M.R. Gibling, K.A. Giles, J.M. Holbrook, R. Jordan, C.G.St.C. Kendall, B. Macurda, O.J. Martinsen, A.D. Miall, J.E. Neal, D. Nummedal, L. Pomar, H.W. Posamentier, B.R. Pratt, J.F. Sarg, K.W. Shanley, R.J. Steel, A. Strasser, M.E. Tucker and C. Winker, 2009, Toward the Standardization of Sequence Stratigraphy – Reply to Discussion by William Helland-Hansen, *Earth-Science Reviews*, v. 94, p. Pages 98-100.
46. Bhattacharya, J.P., and MacEachern, J.A., 2009, Hyperpycnal Rivers and Prodeltaic Shelves in The Cretaceous Seaway Of North America. *Journal of Sedimentary Research*, v. 79. p. 184-209.
45. Vakarelov, B.K ., and Bhattacharya, J.P., 2009, Local Tectonic Control on Parasequence Architecture: Second Frontier Sandstone, Powder River Basin, Wyoming. *AAPG Bulletin*, v. 93, p.295-327.
44. Catuneanu, O., V. Abreu, J.P. Bhattacharya, M.D. Blum, R.W. Dalrymple, P.G. Eriksson, C.R. Fielding, W.L. Fisher, W.E. Galloway, M.R. Gibling, K.A. Giles, J.M. Holbrook, R. Jordan, C.G.St.C. Kendall, B. Macurda, O.J. Martinsen, A.D. Miall, J.E. Neal, D. Nummedal, L. Pomar, H.W. Posamentier, B.R. Pratt, J.F. Sarg, K.W. Shanley, R.J. Steel, A. Strasser, M.E. Tucker and C. Winker, 2009, Toward the Standardization of Sequence Stratigraphy. *Earth-Science Reviews*, v. 92, p.1-33.

43. Thompson, K.E., Willson, C.S., White, C.D., Nyman, S., Bhattacharya, J.P., Reed, A.H., 2008. Application of a New Grain-Based Reconstruction Algorithm to Microtomography Images for Quantitative Characterization and Flow Modeling, *SPE Journal*, v. 13, p.164-176.
42. Gani, M.R., Bhattacharya, J.P., MacEachern, J.A., 2008, Using ichnology to determine relative influence of waves, storms, tides, and rivers in deltaic deposits: examples from Cretaceous Western Interior Seaway, U.S.A., in MacEachern, J.A., Bann, K.L., Gingras, M.K., and Pemberton, S.G., eds., *Applied Ichnology*, SEPM Short Course Notes, p. 209-225.
41. Sadeque, J., Bhattacharya, J.P., MacEachern, J.A., And Howell, C.D. III, 2008, Differentiating Amalgamated Parasequences In Deltaic Settings With The Aid Of Ichnology: An Example From The Upper Turonian Wall Creek Member Of Frontier Formation, Wyoming., in MacEachern, J.A., Bann, K.L., Gingras, M.K., and Pemberton, S.G., eds., *Applied Ichnology*, SEPM Short Course Notes, p. 343-361.
40. Coker, M.O., Bhattacharya, J.P., and Marfurt, K., 2007, Fracture Patterns within Mudstones on the Flanks of a Salt Dome: Syneresis or Slumping? *Gulf Coast Associations of Geological Societies Transactions*, v. 57, p. 125-138.
39. Lee, K., McMechan, G., Gani, M.R., Bhattacharya, J.P., Zeng, X., and Howell, C.D. Jr., 2007, 3-D Architecture and Sequence Stratigraphic Evolution of a Forced Regressive Top-Truncated Mixed-Influenced Delta, Cretaceous Wall Creek Sandstone, Wyoming, *Journal of Sedimentary Research*, v. 77: p. 303-323
38. Gani, M.R., and Bhattacharya, J.P. , 2007, Basic Building Blocks and Process Variability of a Cretaceous Delta: Internal Facies Architecture Reveals a More Dynamic Interaction of River, Wave, and Tidal Processes Than Is Indicated by External Shape, *Journal of Sedimentary Research*, v. 77, p.284-302.
37. Lee, K., Gani, M.D., McMechan, G.A., Bhattacharya, J.P., Nyman, S., Zeng, X., 2007, 3-D Facies Architecture and 3-D Calcite Concretion Distributions in a Tide-Influenced Delta Front, Wall Creek Member, Frontier Formation, Wyoming, *AAPG Bulletin*, V. 91, P. 191-214.
36. Bhattacharya, J.P., 2006, Deltas, In: Walker, R.G., and Posamentier, H., (eds.) *Facies Models revisited*, SEPM Special Publication, v. 84, p. 237-292.
35. Vakarelov, B., Bhattacharya, J.P., and Nebragic, D., 2006, The Importance of High-Frequency Tectonic Sequences during Greenhouse Times of Earth History, *Geology*, v. 34; p. 797-800.
34. Olariu, C., and Bhattacharya, J.P., 2006, Terminal Distributary Channels and Delta Front Architecture of River-dominated delta systems. *Journal of Sedimentary Research*, v. 76, p.212-233.
33. Adams, M.M., and Bhattacharya, J.P., 2005, No Change in Fluvial Style Across a Sequence Boundary, Cretaceous Blackhawk and Castlegate Formations of Central Utah, U.S.A., *Journal of Sedimentary Research*, 2005, v. 75, 1040-1053.



32. Bhattacharya, J. P., Payenberg, T.H.D., Lang, S.C. and Bourke, M., 2005, Dynamic river channels suggest a long-lived Noachian crater lake on Mars. *Geophysical Research Letters*, . V. 32, L10201, doi:10.1029/2005GL022747.
31. Gani, M.R. and Bhattacharya, J.P., 2005, Bedding correlation vs, facies correlation in deltas: Lessons for Quaternary stratigraphy, In: Giosan, L., and Bhattacharya, J.P., (eds.). *River Deltas: Concepts, Models, and Examples*, SEPM Special Publication v. 83, p. 31-48.
30. Giosan, L., Donnelly J.P., Vespremeanu, E., Bhattacharya, J.P., Olariu, C., Buonaiuto, F.S., 2005, River delta morphodynamics: Examples from Danube delta. In: Giosan, L., and Bhattacharya, J.P., (eds.). *River Deltas: Concepts, Models, and Examples*, SEPM Special Publication, v. 83, p. 393-411.
29. Giosan, L. and Bhattacharya, J.P., 2005, New Directions in Delta Research. In: Giosan, L., and Bhattacharya, J.P., (eds.). *River Deltas: Concepts, Models, and Examples*, SEPM Special Publication, v. 83, p. 3-10.
28. Lee, K., Zeng, X, McMechan, G.A., Howell Jr., C.D., Bhattacharya, J.P., Marcy, F., Olariu, C., 2005, A GPR survey of a delta-front reservoir analog in the Wall Creek Member, Frontier Formation, Wyoming. *AAPG Bulletin*, V. 89, No. 9 P. 1139-1155.
27. MacEachern, J., Bann, K., Bhattacharya, J.P., and Howell, C.D., 2005, Ichnology of Deltas. In: Giosan, L., and Bhattacharya, J.P., (eds.). *River Deltas: Concepts, Models, and Examples*, SEPM Special Publication, v. 83, p. 49-85.
26. Olariu, C., Bhattacharya, J.P., Xu, X., Aiken, C.L.V., Zeng, X., McMechan, G.A., 2005, Study of Cretaceous delta front deposits, integrating outcrop, GPR and 3-d photorealistic data, Panther Tongue sandstone, Utah. In: Giosan, L., and Bhattacharya, J.P., (eds.). *River Deltas: Concepts, Models and Examples*, SEPM Special Publication, v. 83, p. 155-177.
25. White, C. D., B. J. Willis, S. P. Dutton, J. P. Bhattacharya, and K. Narayanan, 2004, Sedimentology, statistics, and flow behavior for a tide-influenced deltaic sandstone, Frontier Formation, Wyoming, United States, in: In: G.M. Grammer and P.M. Harris, and G.P. Eberli (eds.) *Integration of outcrop and modern analogs in reservoir modeling: AAPG Memoir 80*, p. 129 - 152.
24. Bhattacharya, J.P., and Tye, R.S., 2004, Searching for Modern Ferron Analogs and Application to Subsurface Interpretation. , *in* T. C. Chidsey, Jr., R. D. Adams, and T. H. Morris, eds., *The fluvial-deltaic Ferron Sandstone: regional to wellbore-scale outcrop analog studies and application to reservoir modeling*. *AAPG Studies in Geology* 50, p.39-57.
23. Bhattacharya, J.P., and Davies, R.K., 2004, Sedimentology and structure of growth faults at the base of the Ferron Member along Muddy Creek, Utah, *In*: T.C. Chidsey, R.D. Adams, and T.H. Morris (eds.) *The Fluvial-deltaic Ferron Sandstone: Regional-to-Wellbore-scale outcrop analog studies and applications to reservoir modeling*, *AAPG Studies in Geology* 50. P. 279-304.
22. Corbeanu, R.M., Wizevich, M.C., Bhattacharya, J.P., Zeng, X., and McMechan, G.A., 2004, Three-dimensional architecture of ancient lower delta-plain point

- bars using ground penetrating-radar, Cretaceous Ferron Sandstone, Utah, *In*: T.C. Chidsey, R.D. Adams, and T.H. Morris (eds.) *The Fluvial-deltaic Ferron Sandstone: Regional-to-Wellbore-scale outcrop analog studies and applications to reservoir modeling*, AAPG Studies in Geology 50, p.427-449.
21. Zeng, X., McMechan, G.A., Bhattacharya, J.P., Aiken, C.L.V., Xu, X., Hammon III, W.S., and Corbeanu, R.M., 2004. 3-D imaging of a reservoir analog in point bar deposits in the Ferron sandstone, Utah using ground-penetrating radar. *Geophysical Prospecting*, v.52, p.151-163.
  20. Bhattacharya, J.P., 2003, *Deltas and Estuaries*, *In*: Middleton G.V. (editor) *Encyclopedia of Sedimentology*, Kluwer Academic, p.145-152.
  19. Bhattacharya, J.P., and Giosan, L., 2003, Wave-influenced deltas: geomorphological implications for facies reconstruction. *Sedimentology*, v. 50. p.187-210.
  18. Novakovic, D., White, C.D., Corbeanu, R.M., Hammon III, W.S., Bhattacharya, J.P., and McMechan, G.A., 2002, Hydraulic effects of shales in fluvial-deltaic deposits: Ground-penetrating radar, outcrop observations, geostatistics and three-dimensional flow modeling for the Ferron Sandstone, Utah. *Mathematical Geology* v. 34, pp. 857-893.
  17. Bhattacharya, J.P., and Davies, R.K., 2001, Growth faults at the prodelta to delta-front transition, Cretaceous Ferron Sandstone, Utah. *Marine and Petroleum Geology*. V. 18, p. 525-534.
  16. Bhattacharya, J.P., and Willis, B.J., 2001, Lowstand Deltas in the Frontier Formation, Powder River Basin, Wyoming: Implications for sequence stratigraphic models, U.S.A., *AAPG Bulletin*, v. 85, p.261-294.
  15. Xu, X., Bhattacharya, J.P., Davies R. K., Aiken, C.L.V, 2001, Digital geologic mapping of the Ferron Sandstone, Muddy Creek, Utah with GPS and lasers. *GPS Solutions*, v.5, p. 15-23.
  14. Xu, X., Aiken, C.L.V., Bhattacharya, J.P., Corbeanu, R.M., Nielsen, K.C., McMechan, G.A. and Abdelsalam, M.G., 2000, Creating Virtual 3D Outcrop. *The Leading Edge*, v. 19, p. 197-202.
  13. Dutton, S.P., Willis, B.J., White, C.D., and Bhattacharya, J.P., 2000, Outcrop characterization of reservoir quality and interwell cement distribution in a tide-influenced delta, Frontier Formation, Wyoming, USA. *Clay Minerals*, v.35, p.95-105.
  12. Tye, R.S., Bhattacharya, J.P., Lorscheid, J.A., Sindelar, S.T., Knock, D.G., Puls, D.D., and Levinson, R.A, 1999. Geology and stratigraphy of fluvio-deltaic deposits in the Ivishak Formation: Applications for development of Prudhoe Bay Field, Alaska, *AAPG Bulletin*, v. 83, p. 1588-1623.
  11. Willis, B.J., Bhattacharya, J.B., Gabel, S.L., and White, C.D, 1999, Architecture of a tide-influenced delta in the Frontier Formation of Central Wyoming, USA, *Sedimentology*. v. 46, p.667-688.
  10. Bhattacharya, J.P. and Posamentier, H.W. 1994. Sequence stratigraphic and allostratigraphic applications in the Alberta Foreland Basin. *In*: *Geological*

- Atlas of the Western Canada Sedimentary Basin. G.D. Mossop and I. Shetsen (compilers) Canadian Society of Petroleum Geologists and Alberta Research Council, p. 407-412.
9. Bhattacharya, J.P. 1994. Cretaceous Dunvegan Formation strata of the Western Canada Sedimentary Basin. *In: Geological Atlas of the Western Canada Sedimentary Basin*. G.D. Mossop and I. Shetsen (comps.) Canadian Society of Petroleum Geologists and Alberta Research Council, p. 365-373.
  8. Leckie, D.A., Bhattacharya, J., Gilboy, C.F. and Norris, B. 1994. Colorado\Alberta Group Strata of the Western Canada Sedimentary Basin. *In: Geological Atlas of the Western Canada Sedimentary Basin*. G.D. Mossop and I. Shetsen (comps.) Canadian Society of Petroleum Geologists and Alberta Research Council, p.335-352.
  7. Bhattacharya, J.P. 1993. The expression and interpretation of marine flooding surfaces and erosional surfaces in core; examples from the Upper Cretaceous Dunvegan Formation in the Alberta foreland basin. *In: Sequence stratigraphy and facies associations*. C.P. Summerhayes and H.W. Posamentier (eds.). IAS special publication No.18, p.125-160.
  6. Bhattacharya, J.P. and Walker, R.G. 1992. Deltas. *In: Facies models - response to sea level change*. R.G. Walker and N.P. James (eds.), Geological Association of Canada, p.157-177.
  5. Bhattacharya, J.P. 1991 Regional to subregional facies architecture of river-dominated deltas in the Alberta subsurface, Upper Cretaceous Dunvegan Formation. *In: The three-dimensional facies architecture of terrigenous clastic sediments, and its implications for hydrocarbon discovery and recovery*. A.D. Miall and N. Tyler (eds.), SEPM Concepts and Models in Sedimentology and Paleontology, V.3, p. 189-206.
  4. Bhattacharya, J. and Walker, R.G. 1991. Allostratigraphic subdivision of the Upper Cretaceous Dunvegan, Shaftesbury, and Kaskapau Formations in the subsurface of northwestern Alberta. *Bulletin of Canadian Petroleum Geology*, v.39, p.145-164.
  3. Bhattacharya, J. and Walker, R.G. 1991. Facies and facies successions in river- and wave-dominated depositional systems of the Upper Cretaceous Dunvegan Formation, northwestern Alberta. *Bulletin of Canadian Petroleum Geology*, v.39, p.165-191.
  2. Bhattacharya, J. 1989. Estuarine channel fills in the Upper Cretaceous Dunvegan Formation: core example. *In: Modern and ancient examples of clastic tidal deposits - a core and peel workshop*. G.E. Reinson (ed.). Canadian Society of Petroleum Geologists, Calgary, Alberta, p. 37 - 49.
  1. Bhattacharya, J. 1988. Autocyclic and allocyclic sequences in river- and wave-dominated deltaic sediments of the Upper Cretaceous Dunvegan Formation, Alberta: core examples. *In: Sequences, Stratigraphy, Sedimentology; Surface and Subsurface*. D.P. James and D.A. Leckie (eds.). Canadian Society of Petroleum Geologists Memoir 15, p. 25 - 32.

*Books Edited:*

1. Giosan, L. and Bhattacharya, J.P., (editors), 2005, River Deltas: Concepts, Models, and Examples, SEPM Special Publication, v.83, 502p.

*Published Field Trip Guides:*

4. Bhattacharya, J.P., McGowen, K.D., Davies, R.K., and MacEachern, J.A., 2008, GSA Field Trip #406, 2008 GSA Annual Convention, Houston, TX, Pennsylvanian Adventures in Palo Pinto County, Sedimentology and Structure of Terrestrial to Shallow Marine Outcrop Reservoir Analogs, Pennsylvanian Mingus Formation, Mineral Wells, Texas, GSA Field Trip, October 2<sup>th</sup>-4<sup>th</sup>, Houston Geological Society, 41p.
3. Bhattacharya, J.P., MacEachern, J.A., Garrison Jr., J.R., Ryer, T.A., Pemberton, S.G., 2007, Integrated Sedimentology and Ichnology of Fluvial-Dominated and Wave-Influenced Deltas in the Cretaceous Seaway: Ferron Sandstone and Panther Tongue, Utah. Field Trip Guidebook, SEPM Research Conference: Ichnological Applications to Sedimentological and Sequence Stratigraphic Problems, Price, Utah, May 20-26th, 2007 115p.
2. Bhattacharya, J.P., McLinjoy, K.D., MacEachern, J.A., and Davies, R.K., 2003, Pennsylvanian Adventures in Palo Pinto County, AAPG SW Field Trip, Fort Worth Geological Society, 38p.
1. Willis, B.J., Tillman, R.W., and Bhattacharya, 2002, Tide-influenced deltas in the Late Cretaceous, Frewens Castle Sandstone, Frontier Formation, Wyoming. Field Trip Guide, SEPM Research Conference, Incised Valleys: Images and processes, Casper, Wyoming, August 18-23, 2002. 66p.

*Proprietary Field Guides, Unpublished Reports and Short Course Notes:*

45. Bhattacharya, J.P., with contributions by: Wen Lin, Logan Jung-Ritchie, Sean Karner and Monica Wiercigroch, 2017, Sequence Stratigraphy and Sedimentology of fluvial, deltaic, and shelf deposits, Cretaceous Mancos and Gallup Formations, New Mexico. McMaster University Quantitative Sedimentology Research Consortium Field Trip, Saturday June 3rd – Sunday June 4th. 23p.
44. Bhattacharya, J.P., Kynaston, D., and Browning, B., 2015, Sequence Stratigraphy and Facies Architecture of Fluvial and Deltaic Depositional Systems in the Cretaceous Ferron Notom Delta, Capitol Reef, Utah, University of Houston Quantitative Sedimentology Lab Research Consortium Field Trip Guide, 252p.
43. Bhattacharya, J.P., Famubode, O., Bhattacharyya, P., Li, Z., Browning, B., 2014, Sequence Stratigraphy and Facies Architecture of Fluvial and Deltaic Depositional Systems in the Cretaceous Ferron Notom Delta, Capitol Reef, Utah, University of Houston Quantitative Sedimentology Lab Research Consortium Field Trip Guide, 261p.

42. Bhattacharya, J.P., Wells, M., Kitching, D., 2013, Sequence Stratigraphy and Facies Architecture of Fluvial and Deltaic Depositional Systems, Utah and Colorado. BP Rumalia Field Trip, 275p.
41. Bhattacharya, J.P., Famubode, O., Bhattacharyya, P., Li, Z., Browning, B., 2013, Sequence Stratigraphy and Facies Architecture of Fluvial and Deltaic Depositional Systems in the Cretaceous Ferron Notom Delta, Capitol Reef, Utah, University of Houston Quantitative Sedimentology Lab Research Consortium Field Trip Guide, 261p.
40. Bhattacharya, J.P., Li, Y., Famubode, O., D'Souza, D., Shahidullah, M., Wang, J., Browning, B., Wu, C., Hilton, B., Griffin, C., 2012, Sequence Stratigraphy and Facies Architecture of Fluvial and Deltaic Depositional Systems in the Cretaceous Ferron Notom Delta, Capitol Reef, Utah, University of Houston Quantitative Sedimentology Lab Research Consortium Field Trip Guide, 251p.
39. Bhattacharya, J.P., Li, Y., Campbell, C., Wright, M., Ahmed, S., Famubode, O., Dischington, P., D'Souza, D., Montes, O., and Seepersad, D., 2011, Sequence Stratigraphy and Facies Architecture of Fluvial and Deltaic Depositional Systems in the Cretaceous Ferron Notom Delta, Capitol Reef, Utah, University of Houston Quantitative Sedimentology Lab Research Consortium Field Trip Guide, 211p.
38. Bhattacharya, J.P., Zhu, Y., Garza, D., Li, Y., Campbell, C., Ahmed, S., Famubode, O., and Dischington, P., 2010, Sequence Stratigraphy, Facies Architecture, and Soft Sediment Deformation of Fluvial and Deltaic Deposits in the Cretaceous Ferron Notom Delta, Capitol Reef, Utah, University of Houston Quantitative Sedimentology Lab Research Consortium Field Trip Guide, 167p.
37. Bhattacharya, J.P., 2010, Abstracts Volume, University of Houston, Quantitative Sedimentology Laboratories 2010 Consortium Meeting, Houston, TX, 22p.
36. Bhattacharya, J.P., 2009, Abstracts Volume, University of Houston, Quantitative Sedimentology Laboratories 2009 Consortium Meeting, Houston, TX, 22p.
35. Bhattacharya, J.P., Zhu, Y., Li, W., Wright, A., Blankenship, E., Campbell, C., Garza, D., Ahmed, S., Kelso, J., Li, Y., 2009, Sequence Stratigraphy, Facies Architecture, and Growth Faults of fluvial and deltaic deposits in the Cretaceous Ferron Notom Delta, Capitol Reef, Utah, University of Houston Quantitative Sedimentology Lab, Research Consortium Field Trip, Sunday August 9th – Friday August 14th, 138p.
34. Bhattacharya, J.P., Zhu, Y., Li, W., Blankenship, E., Garza, D., Campbell, C., Wright, A., 2008, Sequence Stratigraphy and Facies Architecture of the Cretaceous Ferron Notom Delta, Capitol Reef, Utah, University of Houston Quantitative Sedimentology Research Consortium Field Trip, Saturday August 9th – Wednesday August 13th, 116p.
33. Bhattacharya, J.P., Blankenship, E., Campbell, C., Weiguo Li, W., Wright, A., Zhu, Y., 2007, Valleys, Channels and Deltas in the Cretaceous Seaway: Analogs to

- the subsurface. University of Houston Quantitative Sedimentology Research Consortium Field Trip, Sunday August 12th – Friday August 17th. 128p.
32. Bhattacharya, J.P., 2007, Sequence Stratigraphy: History, Theory and Applications, AAPG SW Section Short Course Notes, Abilene/Ft. Worth, Dec. 3<sup>rd</sup> and 7<sup>th</sup>, 402p.
  31. Bhattacharya, J.P., 2007, Stratigraphy and Facies Architecture of Fluvial Reservoirs, BP Summer Short Course, Baku, Cairo, Aberdeen, June 2007, 223p.
  30. Bhattacharya, J.P., 2007, Facies Architecture and Sequence Stratigraphy of Delta Systems From Exploration to Reservoir Performance, BP Short Course, Baku, Cairo, Aberdeen, June 2007, 285p.
  29. Bhattacharya, J.P., Campbell, C., Li, W., and Zhu. Y., 2006, Ancient Rivers and Deltas in the Cretaceous Seaway: Analogs to the subsurface, University of Houston Quantitative Sedimentology Research Consortium Field Trip, Sunday August 13th – Friday August 18th, 2006. 109 p.
  28. Bhattacharya, J.P., 2006, Stratigraphy and Facies Architecture of Fluvial Reservoirs, Southwest Section of AAPG, Short Course, Abilene, Texas, January 30th, 2006, 206 p.
  27. Bhattacharya, J.P., Vakarelov, B., Howell, C.D., Jr., Sadeque, J., Tang, H., 2005, Facies Variability, Stratigraphic Compartmentalization, and Tectonic Controls in Mixed-influenced Delta Fronts, Frontier Formation, Powder River Basin, Wyoming, U.S.A., UTD Quantitative Sedimentology Consortium Field Trip, July 29th-August 3<sup>rd</sup>, 2005, 134p.
  26. Bhattacharya, J.P., Gani, M.D., Howell, C.D., Jr., Nyman, S., Tang, H., 2004, Facies Variability in Mixed-influenced Delta Fronts, Frontier Formation, Powder River Basin, Wyoming, U.S.A., UTD Quantitative Sedimentology Consortium Field Trip, July 25th-29th, 2004, 119p.
  25. Bhattacharya, J.P., Howell, C.D. Jr., Gani, M. R., White C.D., 2003, Facies Architecture of Topographically-controlled, Top-truncated, Mixed-influenced Delta Lobes, Frontier Formation, Powder River Basin, Wyoming, U.S.A., UTD Quantitative Sedimentology Consortium Field Trip guide, July 31-August 3, 2003. Casper, Wyoming, 99p.
  24. Bhattacharya, J.P., Howell, C.D. Jr., Lee, K., McMechan, G.A., and White C.D., 2002, Scales of facies architecture in top-truncated mixed-influence delta lobes, Frontier Formation, Power River Basin, Wyoming, U.S.A., UTD Quantitative Sedimentology Consortium Field Trip guide, July 10-30, 2002. Casper, Wyoming. 84p.
  23. Davies, R.K., and Bhattacharya, J.P., 2000, Field mapping, description and analysis of reservoir-scale growth faults at the prodelta to delta-front transition, Cretaceous Ferron Sandstone, Utah. Report No. US2003, Rock Deformation Research USA Inc./The University of Texas at Dallas, prepared for BP-Amoco, 20p.
  22. McMechan, G.A., Corbeanu, R.M., Xu, X., Zeng, X., Aiken, C., Bhattacharya, J.P., Hammon, S., Forster, C., and Snelgrove, S.H., 1999, Integrated ground-

- penetrating radar, outcrop, and borehole data applied to reservoir characterization and flow simulation. Annual report to the Department of Energy, variably paginated.
21. Bhattacharya, J.P., 1999, Facies Architecture and Sequence Stratigraphy of Delta Systems: From Exploration to Reservoir Performance, CSPG Short Course Notes # G5, Calgary, Alberta, 127p.
  20. Bhattacharya, J.P., 1999, Fluvial Seminar, Short Course Notes prepared for Enron International Oil and Gas Co., unpaginated.
  19. Bhattacharya, J.P., 1998, Core descriptions from the Illizi/Ghadames Basin, Algeria, ARCO Technical Services Memo., TSM-980014, 116p.
  18. Bhattacharya, J. P., 1998, Facies and sequence stratigraphic implications in cores from the Greater Ledong area, Ying Ge Hai Basin, South China Sea., ARCO Technical Services Memo., TSM #98-0001, 48p.
  17. Bhattacharya, J.P., 1998, Wave-dominated deltas, barrier islands and prograding strandplains: revised facies models for exploration and production, ARCO Research memo, RM 97-0014, 15p.
  16. Bhattacharya, J.P. and Thompson, P.R., 1998, 21-1-3 Core and Sample Report, South China Sea, ARCO Technical Service Memo, TSM #98-0002, 6p.
  15. Bhattacharya, J. P., Parris, M., Wang H. D., and Deckelman, J., 1997, Evaluation of Reservoir Quality and Environmental Facies, Langmenshan Block, Sichuan Basin, China, ARCO Technical Services Memo, TSM # 97-0018, 49p.
  14. Liu, X., Posamentier, H.W., Bhattacharya, J.P., 1997, Seismic Expression of Depositional Systems-Fluvial and Deltaic Depositional Elements in the Plio-Pleistocene, Grand Isle, Offshore Louisiana, ARCO Research Report, RR # 97-0016, 103p.
  13. White, C.D., Willis, B.J., Bhattacharya, J.P., Dutton, S.P., and Gabel, S.L., 1997. Engineering Field Guide to Frewens Sandstone, Deltas Industrial Associates Field Trip Guidebook, Bureau of Economic Geology, The University of Texas at Austin, 28p.
  12. Willis, B.J., Bhattacharya, J.P., White, C.D., Dutton, S.P., and Gabel, S.L., 1997, Lowstand deltas in the Late Cretaceous Frontier Formation of Central Wyoming, Deltas Industrial Associates Field Trip Guidebook, Bureau of Economic Geology, The University of Texas at Austin, 84p.
  11. Bhattacharya, J.P. and Willis, B. 1996. Tide-influenced deltas in the Late Cretaceous (Cenomanian) Frewens Castle sandstone, Belle Fourche member, Frontier Formation, Wyoming. Deltas Industrial Associates Field Trip Guidebook, Bureau of Economic Geology, The University of Texas at Austin, 89p.
  10. Bhattacharya, J.P., and Hamilton, D.S., 1996. Subsurface reservoir characterization of the Potrerillos Formation at Barrancas/Barrancas Norte Field, *In* Angle et al., Caracterizacion de reservorios en la Formacion Potrerillos y Proyecto de Optimizacion de Recuperacion de Petroleo en el

- Yacimiento Barrancas Norte, Argentina, Contract report for YPF, Bureau of Economic Geology, University of Texas at Austin, p. 1-33.
9. Bhattacharya, J.P., Dutton, S.P., White, C.D., and Willis, B.J., 1995, Characterization of heterogeneity style and permeability structure in a sequence stratigraphic framework, 1996-1997 Proposal, Industrial Consortium for Deltaic Reservoirs, Bureau of Economic Geology, The University of Texas at Austin, 16p.
  8. Bhattacharya, J.P. 1994. Stratigraphic evaluation of the Tertiary Sarmation and Meotian Formation, Indo-Kuban Foredeep, Taman Peninsula, Russia, Technical Service Report #94-0050, Arco Exploration and Production Technology, Exploration Research and Technical Services, 17p.
  7. Cucci, M.A., Bhattacharya, J. P., Kilsdonk, B., and Hughes, B. 1994. Stratigraphic, Structural, and Geochemical Studies, Jeza Trough, East Yemen. Technical Service Memo #94-0021, Arco Exploration and Production Technology, Exploration Research and Technical Services, 25p.
  6. Tye, R.S., Bhattacharya, J.P. and Lorsong, J.A. 1994. Geology and stratigraphy of fluvio-deltaic deposits in the Ivishak Formation (Romeo Interval): Implications for reservoir description, Eastern Operating area, Prudhoe Bay Field, Alaska, Arco Alaska Technical Report #942, 75p.
  5. Bhattacharya, J. & Posamentier, H. 1993. Sequence Stratigraphy Seminar volume IV, Field Guide, Sept. 19-23, 1993, Wasatch Plateau and Book Cliffs, Central Utah. Sequence stratigraphy of alluvial, fluvial, deltaic, and shoreline depositional systems: Models for exploration and exploitation. AEPT Field Guide, 37p.
  4. Bhattacharya, J. & Tye, R. 1993. Interpretation and sequence stratigraphic correlation of facies in a fluvially-dominated deltaic depositional system, Romeo Unit, Prudhoe Bay Field, Alaska. ARCO Course notes, 54p.
  3. Posamentier, H. & Bhattacharya, J. 1993. Sequence Stratigraphy Seminar v. III, Class Notes: Wasatch Plateau and Book Cliffs, central Utah, September 19-23, 1993. AEPT Class Notes.
  2. Suchecki, R. & Bhattacharya, J. 1993. Stratigraphy of alluvial, fluvial, deltaic, and shoreline depositional systems: Models for exploration and exploitation. ARCO Field Guidebook, 60p.
  1. Bhattacharya, J., 1991, Sequence stratigraphic applications in the Alberta foreland basin, unpublished short course notes, 53p.

*Conference Proceedings:*

1. McGarity, H.A., Bhattacharya, J.P., Lamond, R.E., 2014, An Interpretation of the Depositional Environment and Facies of the Eagle Ford Shale from Karnes-Maverick County, Texas. Unconventional Resource Technology Conference, 19 pages, DOI 10.15530/urtec-2014-1923135.

*Thesis and Dissertation:*



2. Bhattacharya, J. 1989. Allostratigraphy and river- and wave-dominated depositional systems of the Upper Cretaceous (Cenomanian) Dunvegan Formation, Alberta. Ph.D. Thesis, McMaster University, Hamilton, Ontario, 588 p.
1. Bhattacharya, J. 1981. Geology and geochemistry of North Harbour, Placentia Bay. B.Sc. Thesis, Memorial University of Newfoundland, St. John's, Nfld., 204 p.

### **Abstracts, Talks, and Conferences**

#### *Refereed Abstracts:*

183. Jud, N.A., D'Emic, M.D., Williams, S.A., Mathews, J.C., Tremaine, K.M., Bhattacharya, J., 2017, Fossil woods and the evolution of angiosperm body size. Laramidia Symposium.
182. Bhattacharya, J.P., 2017, Deep rivers in deep time, Keynote Talk given at GAC-MAC, 2017, Kingston, Ontario.
181. Bhattacharya J.P., and Miall, A.D., Balancing sediment budgets in deep time and the nature of the stratigraphic record, 11th International Conference on Fluvial Sedimentology, Calgary, 2017, Conference Programme and Abstract Volume, p. 30-31.
180. Bhattacharya, J.P., Bhattacharyya, P., Khan, S.D., Ullah, M.S., Wang, J., and Wu, C., 2017, Paleohydrology, 3D facies architecture, and plan view meanderbelt evolution of ancient point bars, Ferron Sandstone, Notom Delta, South-Central Utah, 11th International Conference on Fluvial Sedimentology, Calgary, 2017, Conference Programme and Abstract Volume, p. 31.
179. Bhattacharya, J.P., and Lin, W., 2017, Balancing sediment budgets of linked valleys and hyperpycnal prodeltaic sinks, Cretaceous Dunvegan Formation, Core Display Workshop, 11th International Conference on Fluvial Sedimentology, Calgary, 2017.
178. Li, Y., Bhattacharya, J. P., Ahmed, S., and Garza D., 2017, Re-Evaluating the Asymmetry of Subsurface Wave-Influenced Deltaic Systems. AAPG Annual Convention, Houston, TX.
177. Rice, D., Wellner J. S., and Bhattacharya J. P., 2017, Partitioning of Longshore Versus River-derived Mud on the Inner Shelf of the Modern Asymmetric Wave-Influenced Brazos Delta, Texas Gulf Coast, USA. AAPG Annual Convention, Houston, TX.
176. Jung-Ritchie, L., and Bhattacharya, J.P., 2017, Measuring the Ratio of Storm Deposited Gutter Casts in a Shallow Marine Environment of the Cretaceous Gallup Sandstone, Shiprock, New Mexico., AAPG Annual Convention, Houston, TX.
175. Lin, W., and Bhattacharya, J.P., 2017, High-resolution Sequence Stratigraphy, Shoreline Trajectory, Accommodation Successions, and Facies Association in the Cretaceous Gallup System, Shiprock, New Mexico, U.S.A., AAPG Annual Convention.

174. Famubode, O., and Bhattacharya, J.P., 2016, Hierarchical organization of strata within a high-frequency Milankovitch-scale fluvial sequence, cretaceous Ferron Notom delta, south central Utah, USA, AAPG International Conference and Exhibition, Barcelona, Spain, 3-6 April 2016, pp. 63-63, doi.org/10.1190/ice2016-6487468.1
173. Wiercigroch, M., and Bhattacharya, J.P., 2016, High-Frequency Stratigraphic Cyclicity Analysis of the Upper Cretaceous Juana Lopez Member of the Mancos Shale, New Mexico. Geological Society of America. Annual Meeting, Denver, CO.
172. Bhattacharya, J.P., 2016, Variation of Rivers and their Paleo-drainages in Mesozoic Foreland Basins of North America, AAPG Annual Convention, Calgary, Canada.
171. Lin, W., and Bhattacharya, J.P., 2016, Estimation of Source-To-Sink Mass Balance and Depositional Systems Dominated Sediment Budgets by a Fulcrum Approach Assessment Using Channel Paleohydrologic Parameters: Cretaceous Dunvegan Formation, AAPG Annual Convention, Calgary, Canada.
170. Huang, C., and Bhattacharya, J., 2016, Shale Mechanics of Growth Faults within the Cretaceous Ferron Notom Delta of Utah, USA. AAPG Annual Convention, Calgary, Canada.
169. Bhattacharyya, P., Bhattacharya, J.P., and Khan, S.D, 2016, 3D facies architectural study of channel belt deposits in the Ferron Sandstone, Hanksville, Utah, AAPG Annual Convention, Calgary, Canada.
168. Kimmerle, S., Kynaston, D., and Bhattacharya, J.P., 2016, A long-lived Compound Incised Mega-Valley in the Cretaceous Ferron Sandstone, Utah, AAPG Annual Convention, Calgary, Canada.
167. Bhattacharya, J.P., 2016, Variation of Rivers and their Paleo-drainages in Mesozoic Foreland Basins of North America, International Association of Sedimentologists 32ns Annual Meeting, Marrakech, Morocco.
166. Leung, M., Bhattacharya, J.P., Li, Z., and Schieber, J., 2015, thin-bedded facies analysis of fine-grained parasequences: Cenomanian-Turonian Tununk Shale Member, Henry Mountain Region, Utah, GSA Annual Meeting in Baltimore, Maryland, USA (1-4 November 2015).
165. Kimmerle, S., and Bhattacharya, J.P., 2015, Facies analysis and paleodischarge of rivers within a compound incised valley, Cretaceous Ferron Sandstone, Utah, GSA Annual Meeting in Baltimore, Maryland, USA (1-4 November 2015).
164. Bhattacharyya, P., Bhattacharya, J.P. and Khan, S.D., 2015, shallow subsurface architecture study of channel belt deposits integrating field data with ground penetrating radar (GPR) in the Ferron Sandstone, Hanksville, Utah, GSA Annual Meeting in Baltimore, Maryland, USA (1-4 November 2015).
163. Bhattacharya, J.P., 2015, Glacio-eustatic versus tectonic origin of high-frequency sequences in the mid-latitude Cretaceous foreland basins of North America. GSA Annual Meeting in Baltimore, Maryland, USA (1-4 November 2015).

162. Kimmerle, S., and Bhattacharya, J.P., 2015, Facies analysis and paleodischarge of rivers within a compound incised valley, Cretaceous Ferron Sandstone, Utah, AAPG Eastern Section Meeting, Indianapolis, Indiana, Sept. 20-22, 2015.
161. Genovese, C. and Bhattacharya, J.P., 2015, Thin Bed and Sandstone Dike Architecture of Cretaceous Ferron Prodelta Shales, Utah. AAPG Eastern Section Meeting, Indianapolis, Indiana, Sept. 20-22, 2015.
160. Aziz, A. A., Stewart, R. R., Ullah, M. S., & Bhattacharya, J. P., 2015. 3D GPR characterization of sandy mouth bars in an outcrop reservoir analog: Cretaceous Ferron Sandstone, south-east Utah. In R. V. Schneider (Ed.), *SEG Technical Program Expanded Abstracts 2015* (pp. 2275-2280). Society of Exploration Geophysicists.
159. Bhattacharya, J.P., Li, Z., and D. Wright, 2015, Facies Analysis of Thin-Bedded Reservoirs in Mixed-Influenced Deltaic Systems. AAPG Annual Convention, May 31-June 3, Denver, Colorado.
158. Ullah, M.S., Bhattacharya, J.P., and W.R. Dupre, 2015, Confluence Scours Versus Incised Valleys: Examples From the Cretaceous Ferron Notom Delta, South East Utah. AAPG Annual Convention, May 31-June 3, Denver, Colorado.
157. Li, Z., Schieber, J., and J. P. Bhattacharya, 2015, Linking Sedimentary Facies in Fine-Grained Deposits to Depositional Processes: Upper Cretaceous Ferron Notom Delta, Utah. AAPG Annual Convention, May 31-June 3, Denver, Colorado.
156. Wu, C., Bhattacharya, J.P., Lu, J., and M.S. Ullah, 2015, Near Bed Flow Process Inferred From Bar Morphology, Sediment Transport and Grain Size Distribution of a Plan-View Exposed Ancient Point Bar Complex. AAPG Annual Convention, May 31-June 3, Denver, Colorado.
155. Ullah, M.S. and J.P. Bhattacharya, 2015, Interpreting Backwater Effects on Fluvial Style and Architecture Within a High-Gradient Compound Incised-Valley Deposit: Example From Cretaceous Ferron Notom Delta, South East Utah. AAPG Annual Convention, May 31-June 3, Denver, Colorado.
154. Kynaston, D., Bhattacharya, J.P. and C. Snyder, 2015, Facies Architecture of a Tidal Influenced Channel in Cretaceous Ferron Sandstone, Central Utah. AAPG Annual Convention, May 31-June 3, Denver, Colorado.
154. Wang, J., and J.P. Bhattacharya, 2015, Plan-View Paleochannel Reconstruction of Ancient Meanderbelts, Cretaceous Ferron Sandstone, Henry Mountains Region, Utah. AAPG Annual Convention, May 31-June 3, Denver, Colorado.
153. Martin, H.K. and Bhattacharya, J.P., 2015, Scaling Relationships of Rib-and-Furrow Structures in Modern and Ancient Dunes and Bars in Rivers. AAPG Annual Convention, May 31-June 3, Denver, Colorado.
152. Kimmerle, S., and Bhattacharya, J.P., 2015, Facies Analysis and Paleodischarge of Rivers Within a Compound Incised Valley, Cretaceous Ferron Sandstone, Utah, AAPG Annual Convention, May 31-June 3, Denver, Colorado.
151. Bhattacharya, J.P., 2015, Ancient Backwaters and Baylines: Slope magnitude and its control on facies partitioning in ancient fluvio-deltaic systems.

- Sedimentology of Paralic Reservoirs: Recent Advances and their Applications, 18 - 19 May 2015, The Geological Society, Burlington House, Piccadilly, London.
150. Bhattacharya, J.P., 2015, Facies analysis of thin-bedded reservoirs in mixed-influenced deltaic systems and implications for halo plays, 2015 Geoconvention, Calgary, Alberta
148. Bhattacharya, J.P., 2014, Milking High Resolution Sequences to Infer Paleohydraulics in Deep Time Systems, GSA Annual Meeting, Vancouver, Canada.
147. Bhattacharya, J.P., 2014, Facies Analysis of Thin-bedded reservoirs in mixed-influenced deltaic systems. AAPG Eastern Section Meeting, Program with Abstracts.
146. Bhattacharya, J.P., 2014, Predicting paleodischarge and slope from accommodation change in ancient systems: Implications for autogenic controls. SEPM Research Conference, Autogenic Dynamics in Sedimentary Systems, abstract volume.
146. Ullah, M., and Bhattacharya, J.P., 2014, Confluence Scours versus Incised Valleys: Examples from the Cretaceous Ferron Notom Delta, SE Utah. SEPM Research Conference, Autogenic Dynamics in Sedimentary Systems, abstract volume.
145. Snyder, C.J., Khan, S., Bhattacharya, J.P., and Glennie, C., 2014, Remote Sensing of Thin-Bedded Reservoir Analogs in an Ancient Delta Using High-Resolution, Ground-Based, Hyperspectral and LiDAR Technologies, Cretaceous Notom Delta, Utah. AAPG 2014 Annual Convention and Exhibition, Houston, TX.
144. Biber, K., Khan, S., Bhattacharya, J.P., Glennie, C., Barton, M., 2014, A Terrestrial Laser Scanner, Digital Photogrammetry, Hyperspectral Mapping and GPR Assisted Reservoir Analog Study. AAPG 2014 Annual Convention and Exhibition, Houston, TX.
143. Bhattacharyya, P., Bhattacharya, J.P., Khan, S.D., 2014, 3-D Facies Architecture, Grain Size Variability and Paleohydrology Study of Point Bar Deposits by Integrating Field Data With Airborne LiDAR and GPR in Ferron Sandstone, Hanksville, Utah. AAPG 2014 Annual Convention and Exhibition, Houston, TX.
142. Bhattacharya, J.P., 2014, Estimating the Size of Ancient River Systems and Linked Depositional Systems. AAPG 2014 Annual Convention and Exhibition, Houston, TX.
141. Li, Y., Bhattacharya, J.P., Ahmed, S., Garza, D., 2014, Facies Architecture of a Bayhead Delta in the Cretaceous Ferron Notom Delta, Southern Utah. AAPG 2014 Annual Convention and Exhibition, Houston, TX.
140. Li, Z., Bhattacharya, J.P., 2014, Evaluating Along-Strike Variation Using Thin-Bedded Facies Analysis, Upper Cretaceous Ferron Notom Delta, Utah, AAPG 2014 Annual Convention and Exhibition, Houston, TX.

139. Bhattacharya, J.P., 2014, Ancient Backwaters and Baylines: Slope magnitude and its control on facies partitioning in ancient fluvio-deltaic systems, 2014 Geoconvention, Calgary, Alberta, Canada.
138. Torrado, L.V., Mann, P., and Bhattacharya, J.P., 2013, Tectonic effects on changing fluvial style in the Late Eocene-Oligocene northern Llanos foreland basin of Colombia, AAPG AAPG 2013 Annual Convention and Exhibition, Pittsburgh, Pennsylvania, May 19-22, 2013.
137. Bhattacharya, J.P., 2013, Predicting S2S in Deep Time Sedimentary Systems and Implications for Petroleum Systems, AGU Annual Meeting, Dec. 9-13, San Francisco.
136. Bhattacharya, J.P., 2013, Ancient Backwaters and Baylines: Slope Magnitude and its Control on Deltaic Facies Partitioning in Ancient Deltaic Systems, *AAPG Search and Discovery Article #90163*, AAPG 2013 Annual Convention and Exhibition, Pittsburgh, Pennsylvania, May 19-22, 2013.
135. Bhattacharya, 2012, Stepped Forced Regressive Valleys and Sequence Diachroneity. GSA Annual Conference, Charlotte, N.C.
134. Bhattacharya, 2012, Ancient backwaters and baylines: Slope magnitude and its control on deltaic facies partitioning in ancient deltaic systems. GSA Annual Conference, Charlotte, N.C.
133. Bhattacharya, J.P., Holbrook, J.M., Li, Y., Campbell, C., 2012, Stepped Forced Regressive Valleys and Sequence Diachroneity. AAPG Annual Convention program with abstracts.
132. D. Wang, D., and Bhattacharya, J.P., 2012, Seismic Forward Modeling of an Asymmetric Deltaic Outcrop Reservoir Analog: Ferron Notom Delta, Utah. AAPG Annual Convention program with abstracts.
131. Holbrook, J.M. and Bhattacharya, J.P., 2012, What Happened to My Marine Reservoir? Implications of Falling Stage and Lowstand Fluvial Sediment Storage during "Sequence- Boundary" Scour for Sand Starvation of Coastal Marine Reservoirs. AAPG Annual Convention program with abstracts.
130. Li, Y., and Bhattacharya, J.P., 2012, An Example of Asymmetrical Distributary Channel Bifurcation in the Turonian Ferron Notom Delta near Hanksville, Utah. AAPG Annual Convention program with abstracts.
129. Seepersad, D. and Bhattacharya, J.P., 2012, Thin-Bedded Reservoir Architecture of a Storm-Dominated Delta Front and Prodelta Facies, Cretaceous Ferron Notom Delta, Utah. AAPG Annual Convention program with abstracts.
128. Famubode, O.A., Bhattacharya, J.P., D'Souza, D.C., and Montes, O.A., 2012, Response to Accommodation Change in Channel Belt Distribution, Floodplains, and Paleosols: Cretaceous Ferron-Notom Delta, Utah. AAPG. Annual Convention program with abstracts.
127. Torrado, L., P. Mann, P., Bhattacharya, J.P., 2012, Non-marine Sequence Stratigraphy and Changing Fluvial Style in the Northern Llanos Foreland Basin of Colombia, , AAPG. Annual Convention program with abstracts.

126. Li, Y. and Bhattacharya, 2011, Forced regressive valleys, Ferron, Utah, GSA Annual Meeting, Minneapolis.
125. Bhattacharya, J.P., 2011, Unit mouth bars and their role in the construction of river-dominated delta fronts. GSA Annual Meeting, Minneapolis.
124. Wang, D., Bhattacharya, J.P., 3-D Characterization of Wave-Influenced Deltaic Reservoir Analogs: An Example from Ferron Notom Delta, Utah, USA, AAPG. Annual Convention program with abstracts.
123. Garza, D., Bhattacharya, J.P., Zhu, Y., 2011, 3-D Facies Architecture and Mouth Bar Development of a Flood-, Storm-Dominated Delta: Cretaceous Ferron Sandstone, Utah. AAPG Annual Convention program with abstracts.
122. Ahmed, S., Bhattacharya, J.P., 2011, Facies Architecture of Sandstones and Shales in Mouth Bar Assemblages of the Late Cretaceous Ferron Notom Delta, Factory Butte, Utah. AAPG Annual Convention program with abstracts.
121. Li, W., Bhattacharya, J.P., 2011, 3-D Architecture of a Wave-Influenced Parasequence in the Ferron "Notom" Delta, Capital Reef Utah, USA: Implications for Delta Asymmetry Models. AAPG Annual Convention program with abstracts.
120. Bhattacharya, J.P., Ahmed, S., Blankenship, E., Garza, D., Li, Y., and Zhu, Y., 2011, Unit Mouth Bars and Their Role in the Construction of River-Dominated Delta Fronts. AAPG Annual Convention program with abstracts.
119. Li, Y., and Bhattacharya, J.P. 2011, Facies Architecture of a Compound Incised Valley System in the Ferron Notom Delta, Southern Utah. AAPG Annual Convention program with abstracts.
118. Lee, P., Bhattacharya, J.P., and Rubio, S., 2011, A Comparison of the Geometries of two Plio-Pleistocene Shelf Margin Delta Sequences, Vermilion South Addition and Northeast Garden Banks, Gulf of Mexico. AAPG Annual Convention program with abstracts.
117. Bhattacharya, J.P., 2010, Death of the Sequence Boundary: Applying Modern Concepts to the Cretaceous Interior Seaway of North America. Houston Geological Society Bulletin, V. 53, P. 23.
116. Li, W., and Bhattacharya, J., 2010, Delta Asymmetry and 3-D Facies Architecture of a Mixed-Influenced Parasequence, Ferron Notom Delta, Capital Reef Utah USA. AAPG Search and Discovery #90104 (2010).
115. Lozano, F.A., Marfurt, K.J.; Bhattacharya, J., 2010, Late Quaternary Forced-Regressive Wave-Dominated Shelf-Margin Deltas Northern Gulf of Mexico. AAPG Search and Discovery #90104 (2010).
114. Li, Y., Li, W., Zhu, Y., Garza, D., Summiyah, A., and Bhattacharya, J., 2010, 3-D Geometry and Facies Architecture of Fluvial-dominated Mouth-bar Deposits, Ferron Notom Delta, Utah, USA. AAPG Search and Discovery #90108 (2010).
113. Krueger, R., LoParco, M., Bhattacharya, J., 2010, Strike Variability within a Wave-influenced Delta, the Gallup Sandstone, Shiprock, New Mexico. AAPG Search and Discovery #50359 (2010).

112. Wright, A., Ratcliffe, K., Bhattacharya, J., Zhu, Y., and Wray, D., 2010, The Application of Chemostratigraphy to Fluvial-Deltaic Sequences: from Example from the Ferron Sandstone Member, South-Central Utah. AAPG Search and Discovery #40498 (2010)
111. Posamentier, H.W., Reijenstein, H., and Bhattacharya, J.P., 2010, Seismic Geomorphology of High-Sinuosity Fluvial Systems Integrating 2D and 3D Seismic Data. AAPG Search and Discovery, #90102 (2010).
110. Bhattacharya, J.P., 2010, Reevaluating Depositional Models for Shelf Shales, AAPG, Search and Discovery Article #50242 (2010), Adapted from oral presentation at AAPG Annual Convention, Denver, Colorado, June 7-10, 2009. Talk also presented at GSA South Central meeting, Richardson, TX in 2009 and GCAGS Convention, Shreveport, LA in 2009.
109. Fatoke, O.A., and Bhattacharya, J.P., 2010, Controls on Depositional Systems and Sequence Stratigraphy of the Pliocene - Pleistocene Strata of Eastern Niger Delta, Nigeria, AAPG, Search and Discovery Article #10220 (2010). Adapted from oral presentation at AAPG Annual Convention, Denver, Colorado, June 7-10, 2009.
108. Bhattacharya, J.P., 2009, Wheeler's confusion and the seismic revolution: How geophysicists saved stratigraphy, SEG Annual Convention, Houston, TX. Also given at SIPES Annual Short Course in Houston, TX, 2009.
107. Li, W., Bhattacharya, J.P., Campbell, C. and Zhu, Y., 2009, Temporal Evolution of Fluvial Style within a Compound Incised Valley, Ferron Notom Delta, Henry Mountains Region, Utah, AAPG Search and Discovery Article #50198 (2009), adapted from oral presentation at AAPG Annual Convention and Exhibition, Denver, Colorado, June 7-10, 2009.
106. Li, W., Campbell, C., and Bhattacharya, J.P., 2008, Incised Valley Systems and Sequence Stratigraphy of the Ferron Sandstone, Notom Delta, Henry Mountains Region, Utah. 2008 GSA Joint Meeting, Houston, TX.
105. Zhu, Y., Bhattacharya, J.P., Garza, D., Dischington, P., 2008, Delta Asymmetry and Sequence Stratigraphy of the Cretaceous Ferron Notom Delta, Utah, 2008 GSA Joint Meeting, Houston, TX.
104. Garza, D., Bhattacharya, J.P., and Zhu, Y., 2008, 3-D Facies Architecture of a Fluvial-Dominated Deltaic System in the Cretaceous Ferron Notom Delta Complex, 2008 GSA Joint Meeting, Houston, TX.
103. Bhattacharya, J.P., 2008, Applying the Clinoform Concept to Correlation of Deltaic and Shallow Marine Deposits, 2008 GSA Joint Meeting, Houston, TX.
102. Zhu, Y., Garza, D., and Bhattacharya, J.P., 2008, Application of shoreline trajectory model in the Cretaceous Ferron Notom Delta, Utah. *In*: R. Steel and C. Nittrouer (convenors) Clinoform sedimentary deposits: the processes producing them and the stratigraphy defining them, SEPM Research Conference abstracts, p.25.
101. Blankenship, E., Bhattacharya, J.P., Garza, D., Zhu, Y., Davies, R.K., and Murphy, M., 2008, The link between Hyperpycnal flows and growth faults in

- steeply dipping delta-front clinoforms. *In*: R. Steel and C. Nittrouer (convenors) Clinoform sedimentary deposits: the processes producing them and the stratigraphy defining them, SEPM Research Conference abstracts, p. 23.
100. Blankenship, E. L. , Bhattacharya, J. P. , Murphy, M. , Zhu, Y. , Garza, D., 2008, Sedimentology and Structure of Gravitationally Collapsed Flood-Dominated Mouth-Bars in the Cretaceous "Notom Delta," Ferron Sandstone Member, Utah. AAPG 2008 Annual Convention and Exhibition, Abstracts, v. 17. p.20.
99. Bhattacharya, J. P., Davies, R. K. , Blankenship, E. , Murphy, M. , McGowen, K., 2008, Sedimentological Controls on Mud-Cored Growth Faults: Outcrop Analogs. AAPG 2008 Annual Convention and Exhibition, Abstracts, v. 17. p.17.
98. Bhattacharya, J. P., 2008, Applying the Clinoform Concept to Correlation of Deltaic and Shallow Marine Deposits., AAPG 2008 Annual Convention and Exhibition, Abstracts, v. 17. p.17.
97. Li, W., Campbell, C., Bhattacharya, J.P., 2008, Compound Valley Systems and Sequence Stratigraphy of the Notom Delta, Ferron Sandstone Member, Henry Mountains Region, Utah. AAPG 2008 Annual Convention and Exhibition, Abstracts, v. 17. p.121.
96. Zhu, Y., Bhattacharya, J. P., Garza, D., Dischington, P., 2008, Delta Asymmetry and Sequence Stratigraphy of the Cretaceous Notom Delta of the Ferron Sandstone, Utah. AAPG 2008 Annual Convention and Exhibition, Abstracts, v. 17. p.230-231.
95. Vakarelov, B., Bhattacharya, J. P., 2008, Local Tectonic Control on Parasequence Architecture: Upper Cretaceous Second Frontier Sandstone, Powder River Basin, Wyoming. AAPG 2008 Annual Convention and Exhibition, Abstracts, v. 17. p.204.
94. Reijenstein, H. M. Bhattacharya, J. P. Posamentier, H. W. Castagna, J. P., 2008, Seismic Geomorphology of Fluvial and Shallow Marine Deposits, Gulf of Thailand: Eustatic and Structural Controls. AAPG 2008 Annual Convention and Exhibition, Abstracts, v. 17. p.168.
93. Sadeque, J. and Bhattacharya, J.P., 2007, Regional Reservoir Compartmentalization within offlapping, Top-Truncated, Mixed-influenced Deltas, Wall Creek Member, Frontier Formation, Powder River Basin, Wyoming. AAPG Annual Conference, Long Beach, CA.
92. Bhattacharya, J.P., 2006, Applying the Clinoform Concept to Correlation of Deltaic and Shallow Marine Deposits, AAPG International Conference and Exhibition, Abstracts V. 16, p. 12.
91. Bhattacharya, J.P., MacEachern, J., Vakarelov, B., and Howell, C.D., III, 2006, Hyperpycnal versus Hypopycnal River Plumes and the Origin of Shelf Mud, AAPG International Conference and Exhibition, Abstracts V. 16, p. 12.
90. Bhattacharya, J.P., and Olariu, C., 2006, Distributary Channels, Fluvial Channels and Incised Valleys, AAPG Annual Conference Abstracts, Houston, TX.



89. Bhattacharya, J.P., 2005, Distinguishing Shorefaces versus Delta Fronts in the Rock Record, AAPG Annual Convention, Calgary Alberta.
88. Bhattacharya, J.P., Payenberg, T.H.D., Lang, Bourke, M., 2005, Rivers Deltas in Crater Lakes on Early Mars, AAPG Annual Convention, Calgary Alberta
87. Bhattacharya, J.P., MacEachern, J., Vakarelov, B., and Howell, C.D., III, 2005, Hyperpycnal versus Hypopycnal River Plumes in the Cretaceous and the Origin of Shelf Mud, AAPG Annual Convention, Calgary Alberta
86. Vakarelov, B.K., Winker, C.D., Bhattacharya, J.P., 2005, The Missing Mudbelts of the Ancient Record: Implications for Sequence Stratigraphy, AAPG Annual Convention, Calgary Alberta.
85. Hong Tang, H., White, C. D., Gani, M. R., Lee, K., Bhattacharya, J.P., 2005, Geostatistical Integration of Outcrop and Geophysical Data to Describe Diagenetic Heterogeneities for Flow Modeling, Frontier Formation, Wyoming
84. Bhattacharya, J.P., and Olariu, C., 2005, Terminal Distributary Channels, IGCP Mega Delta of Asia conference, January 10-13, Ho Chi Minh City, Vietnam, Program with Abstracts.
83. Bhattacharya, J.P., 2004, Deltas Revisited. AAPG 2004 Annual Convention Abstracts Volume, p. A13.
82. Gani, M.R., and Bhattacharya, J.P., 2004. Intra-parasequence facies architecture of a delta front deposit: high-resolution outcrop example from the Wall Creek Member, central Wyoming, U.S.A. SEPM Research Conference, Recent Advances in Shoreline-Shelf Stratigraphy, August 2004, Grand Junction, Colorado, USA, p. 7.
81. Gani, M.R., Bhattacharya, J.P., and MacEachern, J.A., 2004, using Ichnology to Determine Relative Influence of Waves, Storms, Tides and Rivers in Deltaic Deposits: Examples from Cretaceous Delta Complexes in the Western Interior Seaway, Wyoming-Utah, U.S.A. AAPG 2004 Annual Convention Abstracts Volume, p. A49-A50.
80. Giosan, L., Olariu, C., Bhattacharya, J., and Vespremeaneu, 2004, Large Scale Coastal Behavior in Deltas: An Overview of the Danube Delta. AAPG 2004 Annual Convention Abstracts Volume, p. A52.
79. Howell, C.D., and Bhattacharya, J.P., 2004, Geology and Stratigraphic Architecture of the Upper-Cretaceous Wall Creek member, Frontier Formation, Powder River basin: An Outcrop Analog for Top-Truncated Mixed-Influence Lowstand Deltas. . AAPG 2004 Annual Convention Abstracts Volume, p. A66-A67.
78. Lee, K., Gani, M.R., Zeng, X., McMechan, G.A., Griffin, W.R., Sultana, D.N., Bhattacharya, J.P., Aiken, C.L.V., and Xu, X., 2004, GPR Survey of a Delta front reservoir Analag, the Wall Creek Member, Frontier Formation, Wyoming. AAPG 2004 Annual Convention Abstracts Volume, p. A82.
77. MacEachern, J.A., Bann, K., and Bhattacharya, J.P., 2004, Ichnology of Deltas: Organism response to the dynamic interplay of river-discharge and sediment

- flux, wave energy, storms events and tidal flux. CSPG 2004 Annual Convention Abstracts Volume.
76. MacEachern, J.A., and Bhattacharya, J.P., 2004, Ichnology of Deltas: Organism response to the Dynamic Interplay of Rives, Waves, Storms and Tides. AAPG 2004 Annual Convention Abstracts Volume, p. A89-90.
  75. Nyman, S.L., Gani, M.R., Bhattacharya, J.P., and Lee, K., 2004, Origin and 3D Distribution of Calcite Concretions in a Delta-Front: Cretaceous Wall Creek Member, Frontier Formation, Wyoming. Geological Society of New Zealand 2004 Annual Conference Programme and Abstracts Volume, p. 78.
  74. Olariu, C., Bhattacharya J.P., 2004, Terminal distributary channels. SEPM field research conference, Recent advances in shoreline-shelf stratigraphy, Aug. 24-8, Grand Junction, Colorado, USA.
  73. Olariu, C., Bhattacharya J.P., 2004, Basin Topographic Influence on Delta Progradation, in the Modern Lacustrine Red River Delta, Lake Texoma, Texas/ Oklahoma. AAPG annual Meeting, Dallas, TX, AAPG Bulletin Vol. 88 (2004), No. 13 (Supplement).
  72. Sadeque, J., and Bhattacharya, J.P., 2004, Integrated Stratigraphic Study of the Turonian Wall Creek member, Frontier Formation, Powder River basin, Wyoming. AAPG 2004 Annual Convention Abstracts Volume, p. A121.
  71. Vakarelov, B.K., Bhattacharya, J.P., 2004, The Missing Mud Belts of the Ancient Record, GSA Annual Meeting, Denver, CO. Geological Society of America Abstracts with Programs, Vol. 36, No. 5, p. 461.
  70. Vakarelov, B.K., and Bhattacharya, J.P., 2004. High-frequency Tectonic Sequences in a Cretaceous Foreland. AAPG 2004 Annual Convention Abstracts Volume, p. A142.
  69. Bhattacharya, J.P., Gani, M.R., Howell, C.D., and Olariu, C., 2004. Bedding correlation versus facies correlation in deltas: lessons for Quaternary stratigraphy, 5<sup>th</sup> International Conference on Asian Marine Geology, IGCP-475 DeltaMAP/APN Mega-deltas in Asia, 13-18<sup>th</sup> January, 2004, Bangkok, Thailand, Program and Abstracts, p.22.
  68. Bhattacharya, J.P., Willis, B.J., Howell, C.D., and Olariu, C., 2003, Top-truncated, structurally-confined lowstand deltas, AAPG Southwest Section Meeting, March 2-4, 2003, Program with Abstracts, p.20.
  67. Gani, M.R., and Bhattacharya, J.P., 2003, Bed-scale facies architecture of an ancient delta lobe deposit of the Wall Creek Member, Central Wyoming, U.S.A., 2003 AAPG Annual Convention, Salt Lake City, UT, Official Program, v. 12, pA59.
  66. Holbrook, J., Willis, B.J., and Bhattacharya, J.P., 2003, The Evolution of Allocyclicity and Autocyclicity as sedimentary concepts, 2003 AAPG Annual Convention, Salt Lake City, UT, Official Program, v. 12, p. A79.
  65. Howell, C.D., Bhattacharya, J.P., Robinson, A.B., Griffin, W.R., 2003, Topographically controlled, mixed-influence top-truncated deltas: Turonian Wall Creek member, frontier Formation, Powder River Basin, Wyoming,

- U.S.A., 2003 AAPG Annual Convention, Salt Lake City, UT, Official Program, v. 12, p. A81.
64. McLinjoy, K.D., Bhattacharya, J.P., and Davies, R.K., 2003, Comparison of listric normal faults in a Pennsylvanian delta front of the Mingus Formation, Bennett, Texas and Cretaceous Ferron Sandstone, 2003 AAPG Annual Convention, Salt Lake City, UT, Official Program, v. 12, p. A117.
63. Olariu, C., Bhattacharya, J.P., Stern, R.J., 2003, Morphology of a lacustrine delta changes with river discharge: Red River Delta, Lake Texoma, Texas-Oklahoma, 2003 AAPG Annual Convention, Salt Lake City, UT, Official Program, v. 12, p. A130.
62. Sadeque, J. and Bhattacharya, J.P., 2003, Top truncated deltas in the Western Interior Seaway: An example from subsurface analysis of the Turonian Wall Creek member, Frontier Formation, 2003 AAPG Annual Convention, Salt Lake City, UT, Official Program, v. 12, p. A149.
61. Bhattacharya, J.P., Willis, B. J., Howell, C. D., and Olariu C., 2002, Structurally-controlled versus fluvially-incised valley fills, SEPM Research Conference, Incised valleys: images and processes, Aug. 18-24, Casper, Wyoming, p.2-12.
60. Bhattacharya, J.P., 2002. What's New in Deltas? Canadian Society of Petroleum Geologists, Diamond Jubilee Convention, June 3-7, 2002, Program and Abstracts, p.72.
59. Bhattacharya, J.P., Aiken, C.V., Corbeanu, R.M., McMechan, G.A., Xu, X., Zeng, X., White, C.D. 2002, 3D Outcrop Reservoir Characterization, 2002 AAPG Annual Convention, Houston, TX, Official Program, v. 11, p. A18.
58. Bhattacharya, J.P., Howell, C.D., Marcy, F., George A. McMechan, G.A., , Cornel Olariu, C., Zeng, X. 2002, Facies architecture of an ancient delta front deposit using GPR:Cretaceous Wall Creek Member, Frontier Formation, Wyoming. 2002 AAPG Annual Convention, Houston, TX, Official Program, v. 11, p. A18.
57. Olariu, C., and Bhattacharya, J. P. 2002, Modern Deltas as a Model for Study of Ancient "Terminal" Distributary Channels in Fluvial-Dominated Delta Front Deposits, Cretaceous Panther Tongue Sandstone, Utah, 2002 AAPG Annual Convention, Houston, TX, Official Program, v. 11, p. A133.
56. Olariu, C., Stern, R.J., and Bhattacharya, J.P., 2002, Evolution of a hyperpycnal lacustrine delta, Red River/Lake Texoma, Texas-Oklahoma, GSA Annual Meeting and Exposition Abstracts with Programs, Oct. 27-30, 2002, p. 483.
55. Olariu, C., Xu, X., Ge, R., Aiken C. L. V., Bhattacharya, J. P. 2002, Digital Mapping of Outcrops, Techniques for Building 3-D Delta Front Architecture. Example from the Cretaceous Panther Tongue Sandstone, East-Central Utah, 2002 AAPG Annual Convention, Houston, TX, Official Program, v. 11, p. A133.
54. Wagner, J.B., Bhattacharya, J.P., Soegaard, K., Moiola, R.J., and Coleman, J.M., 2002, Allocyclic and autocyclic processes as primary controls on the stratal architecture and sedimentological expression of depositional systems from the Bolivian Sub-Andean Foreland basin, *In*: Armenout, J.M., and Rosen, N.C.

- (eds.) Sequence stratigraphic models for exploration and Production, 22<sup>nd</sup> Annual Gulf Coast Section SEPM Foundation Bob F. Perkins Research Conference, Program and Abstracts, p. 26.
53. Xu, X., Aiken C. L. V., Bhattacharya, J. P. 2002, Photorealistic Virtual 3-D Geologic Outcrops with Examples in Texas, Utah, Arkansas and California: the Virtual Fieldtrip is Here. 2002 AAPG Annual Convention, Houston, TX, Official Program, v. 11, p. A193-194.
52. Adams, M.M., and Bhattacharya, J.P., 2001. Braided Rivers of the Cretaceous Blackhawk Formation, Utah: Implications for Non-marine Sequence Stratigraphy. 7<sup>th</sup> International Conference on Fluvial Sedimentology, program and abstracts, Open-File report 60, Conservation and Survey Division. Institute of Agriculture and Natural Resources, University of Nebraska-Lincoln, p.40.
51. Adams, M. M., and Bhattacharya, J.P., 2001, Braided Rivers of the Cretaceous Blackhawk Formation, Utah: Implications for Sequence Stratigraphy of Non-marine Depositional Systems. 2001 AAPG Annual Convention, Denver, CO, Official Program with Abstracts, v. 10, p. A2.
50. Bhattacharya, J.P., 2001, Allostratigraphy Versus Sequence Stratigraphy, AAPG Hedberg Research Conference. Sequence stratigraphic and Allostratigraphic principles and concepts, Dallas. TX. Program and Abstracts Volume, p.18.
49. Bhattacharya, J.P., Corbeanu, R. M., Olariu, C., 2001, Downstream causes of avulsion in distributary channels, as seen in Cretaceous sandstones of Central Utah. 7<sup>th</sup> International Conference on Fluvial Sedimentology, program and abstracts, Open-File report 60, Conservation and Survey Division. Institute of Agriculture and natural resources, University of Nebraska-Lincoln, p.59.
48. Bhattacharya, J. P.; Robinson, A.; Olariu, C.; Adams, M.M.; Howell, C.D., 2001, Distributary Channels, Fluvial Channels or Incised Valleys? 2001 AAPG Annual Convention, Denver, CO, Official Program with Abstracts, v. 10, p. A17.
47. Bhattacharya, J. P, Willis, B.J., Howell, C.D., 2001, Top Truncated, lowstand deltas in the Cretaceous Interior Seaway of North America? 2001 AAPG Annual Convention, Denver, CO, Official Program with Abstracts, v. 10, p. A17-A18.
46. Bhattacharya, J. P.; Robinson, A.; Olariu, C.; Adams, M.M.; Howell, C.D., 2001, Terminal Distributary Channels, Cretaceous Panther Tongue Sandstone, Utah? 2001 AAPG Annual Convention, Denver, CO, Official Program with Abstracts, v. 10, p. A18.
45. Giosan, L. and Bhattacharya, J.P., 2001, Wave influenced deltas. Annual GSA meeting program with abstracts.
44. Olariu, C., Bhattacharya, J. P, Xu, X.; Aiken C.L.V., Marcy, F.; Zeng, X., Mcmechan, G. A., 2001, Study of "terminal" distributary channels in fluvial-dominated delta front deposits, using ground-penetrating radar and digital mapping techniques, Cretaceous Panther Tongue Sandstone, Utah, USA. Annual GSA meeting abstracts.

43. Howell, C.D., Bhattacharya, J. P.; Robinson, A.; 2001, Scales of facies architecture in top-truncated lowstand delta lobes, Upper-Cretaceous Wall Creek Member, Frontier Formation, Powder River basin, Wyoming, U.S.A., 2001 AAPG Annual Convention, Denver, CO, Official Program with Abstracts, v. 10, p. A93.
42. Adams, M. M., and Bhattacharya, J.P., 2000, Changes in fluvial style across a sequence boundary, Cretaceous Blackhawk and Castlegate Formations of central Utah, 2000 AAPG Annual Convention, New Orleans, LA, Official Program with Abstracts, v. 9, p. A2.
41. Bhattacharya, J.P., and Davies, R. K., 2000, Outcrops Analogs of Growth Faulted Reservoirs, in the Delta Front to Prodelta Transition, Ferron Sandstone, Utah, AAPG Annual Convention, New Orleans, LA, Official Program with Abstracts, v. 9, p. A13.
40. Bhattacharya, J. P., Endresen, J., Xu, X., Aiken, C. L.V., Willis, B. J., 2000, Using GPS and Lasers to Map Subtle Tectonic Structures that Control Positions of Reservoir Sandstones in Foreland Basins, AAPG Annual Convention, New Orleans, LA, , Official Program with Abstracts, v. 9, p. A13.
39. Corbeanu, R. M., Wizevich, M. C., Zeng, X., McMechan, G. A., Bhattacharya, J.P., Snelgrove, S.H., Forster, C.B., 2000, 3-D Internal Geometry of Delta Plain Channel Deposits, Cretaceous Ferron Sandstone, Utah, AAPG Annual Convention, New Orleans, LA, Official Program with Abstracts, v. 9, p.A31.
38. Bhattacharya, J.P., 1999, Allostratigraphy versus Sequence Stratigraphy, GSA Annual meeting Program with Abstracts, p. A-181.
37. Davies, R. K., and Bhattacharya, J.P., 1999, Synsedimentary normal faults at the prodelta to delta front transition, Ferron Sandstone, Utah. GSA Annual Meeting Program with Abstracts, p.A-111.
36. Xu, X., Aiken, C., Corbeanu, R., Bhattacharya, J., Zeng, X., McMechan, G.A., 1999, 3D Geological model by digital mapping of Corbula Gulch, Ferron sandstone, Utah, GSA Annual Meeting Program with Abstracts, p. A-193.
35. O'Connell, S., Campbell, R., Bhattacharya, J.P., 1999, The stratigraphy, sedimentology and reservoir geology of the giant Milk River gas field in southeastern Alberta and Saskatchewan. Canadian Society of Petroleum Geologists and Petroleum Society, Joint Convention, Calgary, Alberta, June14-18, 1999.
34. Willis, B. J., White, C. D., Gabel, S. L., and Bhattacharya, J. P., 1999, Documenting deltaic bedding architecture in outcrop for reservoir simulation. AAPG Annual Convention, San Antonio, TX, , Official Program with Abstracts, p. A151.
33. Xu, X., Aiken, C.L.V., Nielsen, K.C., Balde, M., Corbeanu, H., Corbeanu, R., Davies, R., Bhattacharya, J.P., 1998, The digital geological mapping of the Ferron Sandstone, Utah, by the integration of GPS, reflectorless laser range finders, cameras and GIS (Cybercapture), GSA Annual Meeting abstracts, Toronto, Canada.

32. Bhattacharya, J.P., 1998, Facies Models for wave-influenced deltas, 15th International Sedimentological Congress, Alicante, Spain, Abstracts of papers. International Association of Sedimentologists, p.195-196.
31. Bhattacharya, J.P. and Willis, B.J., 1998, Shelf sands reinterpreted as mixed-influenced lowstand deltas in the Cretaceous Western Interior of North America, 15th International Sedimentological Congress, Alicante, Spain, Abstracts of papers, p.196-197.
30. Bhattacharya, J.P., 1998, Wave-dominated deltas 1998 AAPG Annual Convention, Salt Lake City, Extended Abstracts, v.1, A64.
29. Bhattacharya, J.P. and Willis, B.J., 1998, Allostratigraphy of Cretaceous Wave- and Tide-Influenced Lowstand Deltas, Frontier Formation, Wyoming, USA, 1998 AAPG Annual Convention, Salt Lake City, Extended Abstracts, v.1, A65.
28. Dutton, S. P., Willis, B.J., White, C.D., and Bhattacharya, J.P. 1998, Outcrop Characterization of Reservoir Quality and Interwell Scale Cement Distribution in a Tidal-Influenced Delta, Frontier Formation, Wyoming, USA.
27. Liu, X., Posamentier, H., and Bhattacharya, J., 1998, 3-D seismic expression of fluvial to deltaic deposits - an example from the Gulf of Mexico, 1998 AAPG Annual Convention, Salt Lake City, Extended Abstracts, v.2, A407.
26. Willis B. J., Bhattacharya, J. P. , White, C. D. & Gabel S. L. , 1998, Distribution of reservoir-scale heterogeneities in outcrops of a tidal delta, lower Frontier Formation, Central Wyoming, USA, 15th International Sedimentological Congress, Alicante, Spain, Abstracts of papers, p.822-823.
25. Willis B. J., Bhattacharya, J. P. , Gabel S. L. and White, C. D. 1998, Architecture of a tide-influenced delta in the Frontier Formation of central Wyoming, USA, , 1998 AAPG Annual Convention, Salt Lake City, Extended Abstracts, v.2, A702.
24. Bhattacharya, J.P., 1997. Subsurface allostratigraphic methods. Sedimentary Events/Hydrocarbon Systems, CSPG - SEPM Joint Convention, Calgary, Canada, Program with abstracts, compiled by B. Beauchamp, p.41.
23. Bhattacharya, J.P., Willis, B.J., Gabel, S.L., Broquet, C.A.M., and Swezey, C., 1997. Exploration and Production Models for Ancient Tide-Influenced Lowstand Deltas; Cretaceous Frewens Castle Sandstone, Wyoming. American Association of Petroleum Geologists Annual Convention, Dallas, TX, Official Program, p.A11.
22. Willis, B. J., Barton, M., White C.D., Bhattacharya, J. P., 1996. Outcrop Images, measurements, and statistics applied to reservoir modeling. AAPG/EAGE Research Symposium: Compartmentalized Reservoirs: Their detection, characterization and management, The Woodlands, TX. Oct. 21-23.
21. Bhattacharya, J.P. 1996. Mixing tide-, wave- and river- influenced shoreline deposits in the Cretaceous Interior of North America. Tidalites '96, International conference on tidal sedimentology, Savannah, Georgia, Book of abstracts, p.14.

20. Morris, W.R., Posamentier, H.W., Bhattacharya, J.P., Loomis, K.B., Kupecz, J.A., Wu, C., Lopez-Blanco, M. Thompson, P.R., Spear, D.B. and Kendall, B. 1995. Panther Tongue Sandstone Outcrop case Study II: Evolution of delta types within a forced regression. American Association of Petroleum Geologists Annual Convention, Houston, TX, Official Program, p.68A.
19. O'Connell, S., Bhattacharya, J.P., and Braman, D., 1995. Sequence stratigraphy and regional correlation of the Upper Cretaceous Milk River and Lea Park\_ formations, southern Alberta, *In: Swift, D.J.P., Snedden, J.W., and Plint, A.G., (convenors) Tongues Ridges and Wedges, SEPM Research Conference program with abstracts (unpaginated).*
18. Posamentier, H.W., Morris, W.R., Bhattacharya, J.P., 1995, The Panther Tongue Sandstone, Utah - an example of a forced regression deposit, *In: Swift, D.J.P., Snedden, J.W., and Plint, A.G., (convenors) Tongues Ridges and Wedges, SEPM Research Conference program with abstracts (unpaginated).*
17. Posamentier, H.W., Morris, W.R., Bhattacharya, J.P., Kupecz, J.A., Loomis, K.B., Lopez-Blanco, M., Wu, C., Kendall, B., Landis, C.R., Spear, D.B. and Thompson, P.R. 1995. Panther Tongue Sandstone Outcrop case Study I: Regional sequence stratigraphic analysis. American Association of Petroleum Geologists Annual Convention, Houston, TX, Official Program, p.77A.
16. Bhattacharya, J.P., Tye, R.S. and Lorsong, J.A. 1994. Cutting up the layer cake: improved reservoir stratigraphy of a Permo-Triassic river-dominated lowstand delta, Prudhoe Bay, Alaska. AAPG Hedberg Research Conference, Applications of sequence stratigraphy to oil field development, Sept. 5-8, 1994, Paris, France.
15. Tye, R.S., J.P. Bhattacharya, J.A. Lorsong & Sindelar, S.T. 1994. Characterization of a fluviially dominated deltaic reservoir: Romeo interval of the Lower Triassic Ivishak Formation, Prudhoe Bay Field, North Slope, Alaska. American Association of Petroleum Geologists Annual Convention, Official Program, p.273.
14. Lorsong, J.A., J.P. Bhattacharya & R.S. Tye 1994. Using facies to distribute reservoir properties: hybrid models of fluvio-deltaic deposits in Prudhoe Bay Field, Alaska (abstract). American Association of Petroleum Geologists Annual Convention, Official Program, p. 201.
13. Posamentier, H.W., Bhattacharya, J.P., Cucci, M.A., Loomis, K.B. and Morris, W.R. 1994. The "healing phase" wedge - a common component of the transgressive systems tract. Second high-resolution sequence stratigraphy conference, Tremp, Spain, program with extended abstracts, p.159-164.
12. Bhattacharya, J.P. 1992. Sequence stratigraphy of Cenomanian strata in the Western Canada sedimentary basin. SEPM Theme Meeting, Mesozoic of the Western Interior, Fort Collins, Colorado, August 17-19, 1992.
11. O'Connell, S.C., Bhattacharya, J.P., and Braman, D.R. 1992. Sequence stratigraphy of the Upper Cretaceous Milk River and Lea Park\_ formations, Alberta.

- AAPG Annual Convention, June 21-24, 1992, Calgary, Alberta, Official Program (with abstracts), p.98.
10. Bhattacharya, J.1991. Parasequence architecture of the Upper Cretaceous Chungo Member and Milk River Formation in southern Alberta. *Bulletin of Canadian Petroleum Geology*. v.39, p.206.
  9. Bhattacharya, J.1991. The evolution of deltaic depositional systems in a sequence stratigraphic framework; Upper Cretaceous Dunvegan Formation, Alberta subsurface. *AAPG Bulletin*, v.75, p.542.
  8. Plint, A.G. and Bhattacharya, J.1991. Allostratigraphy in outcrop, initial results of subsurface to outcrop correlations in the Upper Cretaceous Dunvegan Formation, Alberta and British Columbia. *Bulletin of Canadian Petroleum Geology*, v.39, p.221.
  7. Bhattacharya, J. 1990. Allostratigraphy and depositional systems in the Cenomanian Dunvegan Formation, northwestern Alberta. *Bulletin of Canadian Petroleum Geology*, v.38, p.157.
  6. Bhattacharya, J. 1990. Applications of sequence stratigraphy in the Alberta Foreland Basin: examples from the Upper Cretaceous. *Bulletin of Canadian Petroleum Geology*, v.38, p.158.
  5. Bhattacharya, J. 1990. River- and wave- dominated depositional systems in the Upper Cretaceous Dunvegan Formation, Alberta subsurface. *Sediments 1990, 13th International Sedimentological Congress, Nottingham, England, Abstracts of papers. International Association of Sedimentologists, Comparative sedimentology Div. (publ.)*, Utrecht, The Netherlands, p. 47.
  4. Bhattacharya, J. 1990. Eustatic versus tectonic controls in sequences, systems tracts, allomembers, and parasequences in the Upper Cretaceous Dunvegan Formation, Alberta foreland basin. *Sediments 1990, 13th International Sedimentological Congress, Nottingham, England, Abstracts of papers. International Association of Sedimentologists, Comparative Sedimentology Div. (publ.)*, Utrecht, The Netherlands, p. 48.
  3. Bhattacharya, J. and Walker, R.G. 1990. The recognition of marine flooding surfaces and erosional surfaces in core; examples from Upper Cretaceous clastic units in the Alberta foreland basin. *Sediments 1990, 13th International Sedimentological Congress, Nottingham, England, Abstracts of papers. International Association of Sedimentologists, Comparative Sedimentology Div. (publ.)*, Utrecht, The Netherlands, p. 47-48.
  2. Leckie, D.A., Gilboy, C.F., Bhattacharya, J., Campbell, R., Gilders, M., Lloyd, T., Norris, B., Safton, D., Sawicki, J. and Sawicki, O., 1990. Colorado\Alberta Group strata of the Western Canada Sedimentary Basin. *Bulletin of Canadian Petroleum Geology*, v.38, p.170.
  1. Bhattacharya, J. 1989. Three-dimensional facies architecture of river-dominated deltas, Upper Cretaceous Dunvegan Formation, Alberta subsurface. *AAPG Bulletin*, v.73, p.334.



*Non-refereed, invited abstracts*

16. McGarity, H.A., Bhattacharya, J.P., Lamond, R.E., 2014, An Interpretation of the Depositional Environment and Facies of the Eagle Ford Shale from Karnes-Maverick County, Texas. The Houston Geological Society Bulletin, <sup>SEP</sup>Vol. 56, No. 5. P. 29.
15. Bhattacharya, J.P., 2014, Ancient Backwaters and Baylines: Slope magnitude and its control on facies partitioning in ancient fluvio-deltaic systems. CSPG Luncheon Talk, June 2014.
14. Bhattacharya, J.P., 2008, Applying the Clinoform Concept to Correlation of Deltaic and Shallow Marine Deposits. *In*: R. Steel and C. Nittrouer (convenors) Clinoform sedimentary deposits: the processes producing them and the stratigraphy defining them, SEPM Research Conference abstracts, p. 4 (*Invited Keynote Talk*).
13. Bhattacharya, J.P., and MacEachern, J.A., 2008, Hyperpycnal Rivers and Prodeltaic Shelves in The Cretaceous Seaway Of North America, *In*: Sediment Transfer from Shelf to Deepwater - Revisiting the Delivery Mechanisms, AAPG Hedberg Conference Ushuaia - Patagonia, Argentina. (*Invited Keynote Talk*).
12. Bhattacharya, J.P., 2007, Wheeler's Confusion and the Seismic Revolution: How Geophysicists saved Stratigraphy. The Sheriff Symposium: Advances and Applications of Geophysics in Petroleum Exploration and Production, April 18-19, 2007, University of Houston.
11. Bhattacharya, J.P., 2007, Applying Deltaic and Shallow Marine Outcrop Analogs to the Subsurface, Houston Geological Society Bulletin, Volume 49, No. 2, October 2006. Pages 21-21.
10. Bhattacharya, J.P., and Olariu, C., 2005, Distributary Channels, Fluvial Channels and Incised Valleys, International Congress on Fluvial Sedimentology, Delft, Netherlands, August 7-12<sup>th</sup>, Keynote Talk.
9. Bhattacharya, J.P., 2004. What's New in Deltas? 5<sup>th</sup> International Conference on Asian Marine Geology, IGCP-475 DeltaMAP/ APN Mega-deltas in Asia, 13-18<sup>th</sup> January, 2004, Bangkok, Thailand, Program and Abstracts, p.21.
8. Bhattacharya, J.P., 2002, Allostratigraphy versus Sequence Stratigraphy, *In*: J.M. Armentrout and N.C. Rosen (eds.) Sequence stratigraphic models for exploration and production: evolving methodology, emerging models and application histories. 22<sup>nd</sup> Annual Gulf Coast Section SEPM Foundation Bob F. Perkins Research conference, p. 149.
7. Bhattacharya, J. P.; Robinson, A.; Olariu, C.; Adams, M.M.; Howell, C.D., 2001, Distributary Channels, Fluvial Channels or Incised Valleys? 2001 AAPG Southwestern Regional Meeting, Dallas, TX.
6. Bhattacharya, J.P., and Davies, R. K., 2001, Growth Faults at the Delta Front to Prodelta Transition, Ferron Sandstone, Utah, AAPG Southwestern Regional Meeting, Dallas, TX.

5. Bhattacharya J. P., Corbeanu, R.M., McMechan, G.A., Zeng, X., Forster C.B., 2000, Using GPR to Image 3D Facies Heterogeneity in Outcrop: Implications for Reservoir Modeling. Geosciences Research Program, Department of Energy (DOE), Fundamentals of Geophysical Imaging Workshop Program with Abstracts, p. 10, unpublished.
4. Bhattacharya, J.P., Willis, B.J., Dutton, S. P., and White, C.D., 1998, Outcrop Analogs for Tide-Influenced Lowstand Deltaic Reservoirs. CSPG, Reservoir, v.25, No. 6, p.6.
3. Bhattacharya, J. 1991. The recognition and significance of marine flooding surfaces and erosional surfaces in core; examples from Upper Cretaceous clastic units in the Alberta foreland basin. Geological Association of Canada, 1991 Nuna conference on high-resolution sequence stratigraphy, Banff, Alberta, August 23-30, 1991, Programme/Proceedings/Guidebook, p.1-2.
2. Bhattacharya, J. 1991. Sequence stratigraphy in the Cretaceous Alberta foreland basin; Cenomanian through Campanian examples. Palynology, v.15, p. 237-238.
1. Bhattacharya, J. 1988. Using sequence stratigraphy and deltaic facies models in the Alberta subsurface: Upper Cretaceous Dunvegan Formation. CSPG Reservoir, v.15, No.5, p.1-3.

*Other invited talks, lectures, conference, short courses:*

72. Bhattacharya, J.P., 2016, Deep Rivers in Deep Time, Invited talk - University of Houston Seminar Series, October 14th, 2016.
71. Bhattacharya, J.P., 2016, Googling Earth and Ogling planets: Geological Insights from Remote Sensing vs. Traditional Field Geology. Invited Talk - McMaster University Origins Seminar, October 3rd, 2016.
70. Bhattacharya, J.P., 2016, Variation of rivers and their paleo-drainages in Mesozoic foreland basins of North America. Invited talk, Rocky Mountain Section of SEPM, lunch meeting, March 29th, 2016.
69. Bhattacharya, J.P., 2016, Glacio-eustatic versus tectonic origin of high-frequency sequences in the mid-latitude Cretaceous foreland basins of North America. Talk given to the Colorado School of Mines, March 28th, 2016.
68. Bhattacharya, J.P., 2016, Glacio-Eustatic vs. Tectonic Origin of High-Frequency Sequences in the Mid-Latitude Cretaceous Foreland Basins of North America. Invited Talk for the George Klein Endowed Lecture at the University of Kansas, February, 4th, 2016.
67. Bhattacharya, J.P., 2016, Glacio-Eustatic vs. Tectonic Origin of High-Frequency Sequences in the Mid-Latitude Cretaceous Foreland Basins of North America. Invited Talk - University of Texas at El Paso, January 28th, 2016.
66. Bhattacharya, J.P., 2015, Sequence Stratigraphy: History, Theory and Applications, Short Course, given to Pioneer Natural Resources, Dallas, TX, December 2015.

67. Bhattacharya, J.P., 2015, Martian Environments and Sedimentary Geology, Talk Given to Lawrence Park Collegiate High School, Nov. 26th, 2015.
66. Bhattacharya, J.P., 2014, Stratigraphy and Facies Architecture of Delta Systems, Short Course given to CSPG, April 29-May 1st, 2015, Calgary, Alberta.
65. Bhattacharya, 2015, Geology of the Grand Canyon, Given to McMaster Hiking Club, Jan. 28th, 2015.
64. Bhattacharya, J.P. (convenor), 2014, McMaster - UH Quantitative Sedimentology Laboratories 2014 Consortium Meeting. Abstract Volume, University of Houston, 15p.
63. Bhattacharya, J.P., 2014, Sequence Stratigraphy: History, Theory and Applications, Short Course, given to Pioneer Natural Resources, Dallas, TX, December 2014.
62. Bhattacharya, J.P., 2014, Googling Earth and Ogling planets: Transforming geomorphology in earth science, Talk given to UT Mississauga.
61. Bhattacharya, J.P., 2014, Stratigraphy and Facies Architecture of Delta Systems, Short Course given to CSPG, June, 2014.
60. Bhattacharya, 2013, Rivers and Deltas, Short Course given to PDVSA, Nov.18-30th, 2013.
59. Bhattacharya, 2013, Ancient Backwaters and Baylines, Talk given to University of Toronto, October, 15th, 2013
58. Bhattacharya, 2013, Ancient Backwaters and Baylines, Talk given to Houston SIPES, April 18, 2013.
57. Bhattacharya, 2011, Rivers and Deltas, Short Course given to PDVSA, Nov. 21-30th, 2011.
56. Bhattacharya, 2011, Death of a Sequence Boundary, Seminar presented at Texas A & M, Friday Nov. 11th, 2011.
55. Bhattacharya, J.P., 2011, Evaluating outcrop analogs of fluvial-deltaic systems. Given for Shell USA, July 14th and for ExxonMobil Tripod Meeting, Utrecht, Netherlands, August 22-26th, 2011.
54. Bhattacharya, J.P., 2011 Overview and Introduction: Quantitative Sedimentology Laboratory Consortium Meeting, University of Houston, Thursday May 19th, 2011. Entire day of presentations by myself and students.
53. Bhattacharya, J.P., 2011, Death of the Sequence Boundary: Applying Modern Concepts to the Cretaceous Interior Seaway of North America. Talk given to North Texas Geological Society, Wichita Falls, January 13th, 2011.
52. Bhattacharya, J.P., 2011, Facies Architecture of Fluvial-dominated Mouth-Bars, Ferron Sandstone, Utah. Invited Talk given January 5th, 2011, to BP, Houston and to Pioneer Natural Resources (Dallas, TX) and Anadarko (Denver, CO), December, 2010.
51. Bhattacharya, J.P., 2010, Subsurface Energy Studies at UH. Talk given at UH Scholarship & Community Conference, Houston -- the Future of Energy, Friday, April 23rd.

50. Bhattacharya, J.P., 2010, Googling Earth and Ogling planets: Transforming geomorphology in earth science. Invited Keynote Presentation for Elsevier evening reception at AAPG ICE in Calgary.
49. Bhattacharya, J.P., 2010 Overview and Introduction: Quantitative Sedimentology Laboratory Consortium Meeting, University of Houston, Tuesday May 10th, 2010. Entire day of presentations by myself and students.
48. Bhattacharya, J.P., 2009, Rivers and Deltas Short Course, Given January 26-27th, to BP Houston, TX.
47. Bhattacharya, J.P., 2009, Ancient Rivers and Deltas in the Cretaceous Seaway and beyond: Outcrop analogs to the subsurface, talk given to Exxon, BP and Anadarko.
46. Bhattacharya, J.P., 2009, Wheeler's Confusion and the Seismic Revolution, Sipes Conference, January 12th, 2010. Talk also given in Corpus Christi, TX.
45. Bhattacharya, J.P., 2008, Hyperpycnal versus Hypopycnal River Plumes and the Origin of Shelf Mud, Invited talk at University of Indiana at Bloomington, September 21st, 2008.
44. Bhattacharya, J.P., 2008, Sequence Stratigraphy: History, Theory and Applications, ETGS Section Short Course, May 7th, 2008, Tyler, TX
43. Bhattacharya, J.P., 2007, Facies Architecture and Sequence Stratigraphy of Delta Systems, From Exploration to Reservoir Performance, BP Summer 2007 Short Course, Baku, Cairo, and Aberdeen, Short course Notes, 100p.
42. Kumar, N., Beauchamp, W. and Bhattacharya, 2006, Petroleum Geoscience: Basics of petroleum generation, migration, trapping and the oil business (Short Course), May 4th and 5th, 2006, Ellison Miles Geotechnology Institute, Brookhaven College, Farmers Branch, Dallas, Texas.
41. Stratigraphy and Facies Architecture of Fluvial Deposits, Short Course, Southwest Section of AAPG, Abilene, TX, January 30<sup>th</sup>, 2006.
40. Kumar, N., Beauchamp, W. and Bhattacharya, 2005, Petroleum Geoscience: Basics of petroleum generation, migration, trapping and the oil business (Short Course), May 3rd and 4th, 2005, Ellison Miles Geotechnology Institute, Brookhaven College, Farmers Branch, Dallas, Texas.
39. Bhattacharya, J.P. Dec, 12-14<sup>th</sup>, 2004, Facies Architecture and Sequence Stratigraphy of Delta Systems: From Exploration to Reservoir Performance, Short Course given to BP Trinidad and Tobago.
38. Bhattacharya, J.P., 2004, Deltas on Mars and the Origin of Life. Talk presented to the Geological Society of Trinidad and Tobago, Dec. 14<sup>th</sup>, 2004 and to Richardson and Plano Kiwanis club in the Spring.
37. Bhattacharya, J.P., 2004, Shorefaces versus delta fronts; exploration and production perspectives, presented at Chevron Sedimentology and Stratigraphy Forum, October 28<sup>th</sup>, The Woodlands, TX.
36. Bhattacharya, J.P., 2004, What's New In Deltas? Presented to the North Texas Geological Society.

35. Bhattacharya, J.P., June 16<sup>th</sup>, 2003, Facies Architecture and Sequence Stratigraphy of Delta Systems: From Exploration to Reservoir Performance, Short Course given to East Texas Geological Society, Tyler, TX.
34. Bhattacharya, J. P. Feb. 11<sup>th</sup>, 2002, Distributary Channels, Fluvial Channels or Incised Valleys? Houston Geological Society.
33. Bhattacharya, J. P. Feb. 21<sup>st</sup>, 2002, Distributary Channels, Fluvial Channels or Incised Valleys? North Texas Geological Society, Wichita Falls, TX.
32. Bhattacharya, J. P. March, 2002, Distributary Channels, Fluvial Channels or Incised Valleys? Graham, TX.
31. Bhattacharya, J.P. April, 12<sup>th</sup>, 2002, 3D Outcrop reservoir Characterization, Talk given for T.M. Stout Lecture Series to Department of Geosciences at University of Nebraska - Lincoln.
30. Bhattacharya, J.P. April, 13-14<sup>th</sup>, 2002, Facies Architecture and Sequence Stratigraphy of Delta Systems: From Exploration to Reservoir Performance, Short Course given to Department of Geosciences at University of Nebraska at Lincoln.
29. Bhattacharya, J.P. June, 2002, 3D Outcrop reservoir Characterization, Talk given to East Texas Geological Society, Tyler, TX.
28. Bhattacharya, J.P. Oct. 8<sup>th</sup>, 2002, 3D Outcrop reservoir Characterization, Talk given to Dallas Geological Society.
27. Bhattacharya, J.P., Nov. 22<sup>nd</sup>, 2002. What's New in Deltas? Talk given at Tulane University for the New Orleans Geological Society.
26. Bhattacharya, J.P., Dec. 13<sup>th</sup>, 2001, Distributary Channels, Fluvial Channels or Incised Valleys? various talks given to BP Sunbury, England
25. Bhattacharya, J.P., Dec. 10<sup>th</sup>, 2001, Braided Rivers of the Cretaceous Blackhawk Formation, Utah: Implications for Non-marine Sequence Stratigraphy various talk given to BP Aberdeen, Scotland.
24. Bhattacharya, J.P., February 23, 2001, New models for wave influenced deltas. Talk given for T.M. Stout Lecture Series to Department of Geosciences at University of Nebraska - Lincoln.
23. Bhattacharya, J.P., June, 2001, When Dallas was Under the Sea, public lecture given to Dallas Paleontological Society, Dallas Museum of Natural History.
22. Bhattacharya, J.P., March 5<sup>th</sup>, 2001, 3D Outcrop reservoir Characterization, talk given to BP Canada.
21. Bhattacharya, J.P., Oct. 22<sup>nd</sup>, 2001, Growth Faults at the prodelta to delta front transition, Ferron sandstone, Utah; talk given to BP Houston.
20. Bhattacharya, J.P., Oct. 13<sup>th</sup>, 2000, When Dallas was Under the Sea, public lecture given at UTD for Earth Sciences Week.
19. Bhattacharya, J.P., 2000, Preservation of Delta systems in foreland basins. Presented at SEPM Sequence Stratigraphy Research Group Meeting held at Annual AAPG Conference, New Orleans, LA.
18. Bhattacharya, J.P., and Davies, R. K., June 2000, Outcrops Analogs of Growth Faulted Reservoirs, in the Delta Front to Prodelta Transition, Ferron

- Sandstone, Utah. Invited keynote speaker at Houston Geological Society, North American Exploration Committee Symposium, Understanding Stratigraphic Complexity: Importance to Exploration and production, June 5th, Houston Texas.
17. Bhattacharya, J. P., Endresen, J., Xu, X., Aiken, C. L.V., Willis, B. J., June 2000, Using GPS and Lasers to Map Subtle Tectonic Structures that Control Positions of Reservoir Sandstones in Foreland Basins. Invited keynote speaker at Houston Geological Society, North American Exploration Committee Symposium, Understanding Stratigraphic Complexity: Importance to Exploration and production, June 5th, Houston Texas.
  16. Bhattacharya, J.P., June 14<sup>th</sup>, 2000, Finding Cretaceous Shorelines, public lecture given to Dallas Paleontological Society at the Dallas Museum of Natural History.
  15. Bhattacharya, J.P., April 7, 2000, New models for wave influenced deltas. Invited talk given to Marine Sciences Research Center, State University of New York at Stony Brook.
  14. Bhattacharya, J.P., March 9, 2000, What's New in deltas. Invited talk given to Texas A & M Geology department, College Station, TX.
  13. Bhattacharya, J.P., February, 2000, New models for wave-influenced deltas. Invited lecture given to Union Pacific Resources, Fort Worth Texas
  12. Bhattacharya, J.P., January, 1999, Cutting up the layer cake: improved reservoir stratigraphy of a Permo-Triassic river dominated lowstand delta, Prudhoe Bay, Alaska. Invited lecture given to the Reservoir Geology and Engineering Class, University of Wyoming at Laramie.
  11. Bhattacharya, J.P., January, 1999, Outcrop Analogs for Tide-Influenced Lowstand Deltaic Reservoirs. Invited departmental lecture given to the University of Wyoming at Laramie.
  10. Bhattacharya, J.P., February, 1999, New models for wave-influenced deltas. Invited lecture given to the State University of New York at Binghamton.
  9. Bhattacharya, J.P., 1999, Fluvial Seminar, Short Course Notes, Invited short course for Enron International Oil and Co., Houston, TX, unpaginated.
  8. Bhattacharya, J.P., 1999, Facies Architecture and Sequence Stratigraphy of Delta Systems: From Exploration to Reservoir Performance, CSPG Short Course Notes # G5, Calgary, Alberta, 127p. Asked to teach short course for annual conference in Calgary, Canada.
  7. Bhattacharya, J.P., June 1999, Documenting structural controls on sediment distribution patterns in foreland basins. Talk given to BP/Amoco, Calgary, Alberta.
  6. Bhattacharya, J.P., 1998, Facies Models for Wave-influenced deltas. Talk given to University of Texas at Dallas.
  5. Bhattacharya, J.P., 1998, Outcrop Analogs for Tide-Influenced Lowstand Deltaic Reservoirs. Talk given to University of Texas at Dallas.

4. Bhattacharya, J.P., 1997, Outcrop Analogs for Tide-Influenced Lowstand Deltaic Reservoirs. Talk given to ARCO, Plano, TX.
3. Bhattacharya, J.P., 1996 Outcrop analogs for tide-influenced deltas. Talk given to BP, Sunbury, England.
2. Bhattacharya, J.P., 1992, Sequence Models in the Alberta Foreland basin, SEPM Sequence Stratigraphy Research group, AAPG Annual Meeting, Calgary, AB.
1. Bhattacharya, J.P., 1991, Sequence Stratigraphy of Alberta Foreland basin. Short Course taught to: Alberta Research Council, Alberta Energy Corp., Petro-Canada Resources, Norcen Energy Resources, Chevron Canada. - Calgary, Alberta, Canada.

*Conference sessions chaired or attended*

28. Wells, M., Ainsworth, B., Bhattacharya, Hampson, G.J., Kostic, B., J.P., Reynolds, A.D., and Steel, R. (convenors), 2015, Sedimentology of Paralic Reservoirs: Recent Advances and their Applications, 18 - 19 May 2015, The Geological Society, Burlington House, Piccadilly, London.
27. Snedden, J., and Bhattacharya, J.P., (Session co-Chairs), 2012, Constructing deltaic depositional systems: integrating field examples, theory, and modeling. GSA Annual Convention, Charlotte, N.C.
26. Bhattacharya, J.P., Dalrymple, R., and Edmonds, D., (Session co-Chairs), 2011, Shallow Marine Systems and Processes: I and II; A tribute to Roger Walker and Gerry Middleton, AAPG/SEPM Annual Convention, April 12-15, 2011.
26. Bhattacharya, J.P., 2010, Theme Chair, AAPG Theme 6: Siliciclastics: Advancing Research to Resource, AAPG 2011 Convention. Managed and processed over 300 abstracts for the convention.
25. NSF Geoprisms workshop (attended), February 14th-16th, San Antonio, TX.
24. UH Future of Energy, University of Houston Scholarship and Community Conference, Friday April 23rd.
23. Bhattacharya, J.P., 2010, Abstracts Volume, University of Houston, Quantitative Sedimentology Laboratories, 2010 Consortium Meeting, Tuesday May 18th, Houston, TX.
23. Bhattacharya, J.P., 2009, Abstracts Volume, University of Houston, Quantitative Sedimentology laboratories 2009 Consortium Meeting, Houston, TX.
21. Bhattacharya, J.P., Giosan, L., Dellapenna, T., and Allison, M.A., (co-chairs), 2008, River-Dominated Continental Margin Processes: Modern and Ancient, 2008 GSA/GCAGS Joint Meeting, Houston, TX.
20. Payenberg, T. and Bhattacharya, J.P. (co-chairs), 2008, Outcrop Analogs in Reservoir Characterization, AAPG Annual meeting, San Antonio, TX.
19. Castagna, J.P., and Bhattacharya, J.P. (convenors), 2007, Advances and Applications of Geophysics in Petroleum Exploration and Production, A conference to celebrate the 85<sup>th</sup> birthday of Robert E. Sheriff. April 18-19<sup>th</sup>, University of Houston, Hilton Hotel.

18. Payenberg, T. and Bhattacharya, J.P. (co-chairs), 2006, Outcrop Analogues in Reservoir Characterization. AAPG International Conference and Exhibition, Nov. 5-8<sup>th</sup>, Perth, Australia.
17. Wood, L.J., Bhattacharya, J.P., 2006, Recent Advances in Siliciclastic facies Models: Implications for Reservoir Characterization (SEPM Poster Session), AAPG Annual Meeting, Houston, TX, April 9<sup>th</sup>-12<sup>th</sup>, 2006.
16. Wood, L.J., Bhattacharya, J.P., and Moscardelli, L., 2006, Recent Advances in Shallow Marine to Non-marine Siliciclastic facies Models: Implications for Reservoir Characterization (SEPM Oral Session), AAPG Annual Meeting, Houston, TX, April 9<sup>th</sup>-12<sup>th</sup>, 2006.
15. Bhattacharya, J.P., and Suter, J., (session chairs), 2005, Clastic shelf, deltaic and shoreline systems, AAPG Annual Meeting, Calgary, Alberta, June 19-22, 2005.
14. MacDonald, D., Wood, L.J., and Bhattacharya, J.P., (session chairs), 2004, Deltas Revisited. AAPG Annual Meeting, Dallas, TX, April 18-21.
13. Bhattacharya, J.P., Willis, B.J., and Holbrook, J.M. (session chairs) 2003, Allocyclic versus Autocyclic Processes in Depositional Systems, Annual AAPG/SEPM Meeting, Salt Lake City, UT, May 11-14t, 2003.
12. Bhattacharya, J.P. and Giosan, L., (session chairs) 2002, T109. Deltas - Old and New, Session No. 211.
11. August 28<sup>th</sup>, 2001, discussion leader, Application of Sequence Stratigraphy and Allostratigraphy. AAPG Hedberg Research Conference. Sequence Stratigraphic and Allostratigraphic Principles and Concepts, Dallas. TX. Program and Abstracts Volume, p.6.
10. August 6<sup>th</sup>, 2001, co-chaired with Dr. Simon Lang, Alluvial Architecture. Oral and Poster Session. 7<sup>th</sup> International Conference on Fluvial Sedimentology sponsored by IAS and held at the University of Nebraska-Lincoln.
9. Bhattacharya, J.P., and Crabaugh, J., (session chairs) 2001 SEPM Session, Outcrop Analogues and Reservoir Models: Coastal and Shallow Marine Silicilastic Systems Poster Session. Annual AAPG/SEPM meeting, June 3-6 2001, in Denver, Colorado.
8. Fall 2000, Invited to attend NSF Margins Sedimentology/Stratigraphy workshop to review study sites and develop science plan for the "Source to Sink" research initiative in Reno, Nevada
7. Fall 1999, Invited to attend NSF Margins Sedimentology/Stratigraphy workshop to develop research topics and study sites for the "Source to Sink" research initiative, September 28-October 1, Lake Quinault, Washington.
6. Bhattacharya, J.P., and Willis, B.J., (session chairs) 1999, SEPM Session: Depositional Facies and Surfaces of Falling-Stage Systems Tracts, Session Chair, 1999, AAPG (American Association of Petroleum Geologists) Annual Meeting, San Antonio, Texas.
5. Spring 1999, Represented UTD Geoscience at the AGI (American Geological Institute) Academic - Corporate Associates Conference, February 28 - March 1, 1999, Houston, Texas.



4. Bhattacharya, J.P., and Wood, L.J., (session chairs) 1999, SEPM Session: Seismic Imaging and Modeling of Depositional Systems and Facies, Poster Session Chair, 1999, AAPG (American Association of Petroleum Geologists) Annual Meeting, San Antonio, Texas.
3. Haq, B.U., and Bhattacharya, J.P., ( session chairs), 1998, Theme Session C3: Deltas. International Sedimentological Congress, April 12-17, Alicante, Spain.
2. 1994-98 Co-convener, SEPM Research Group on Sequence Stratigraphy
1. 1997 Technical Committee Member, GCSSEPM Research Conference

## External Funding for Original Investigations

Institution	Duration	Amount
McMaster University	2013-present	\$804,000
University of Houston	2005-2013	\$1,736,512
University of Texas at Dallas	1998-2005	\$760,000
	<b>Career Total</b>	<b>\$3,300,512</b>

### *Funded Research– McMaster University*

2017-2020: NSERC CRD (with contributions from BP)

P.I. Janok P. Bhattacharya

CAN \$334,000

2013-2018 Susan Cunningham Research Chair in Geology (endowed funds to McMaster University)

P.I. Janok P. Bhattacharya

September 2013-August 2018

CAN\$75,000

2014-2019 NSERC Discovery Grant

P.I. Janok P. Bhattacharya

July 2014 - June 2019

CAN\$150K

2014-2016 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan 1 2014 - Dec 31, 2016

*Various Private Agencies: BP, Ecopetrol, INPEX (Japan)*

US\$245K

### *Funded Research– University of Houston*

2013 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan 1 2013 - Dec 31, 2013

*Various Private Agencies: Anadarko, BP, BHP Billiton, Chevron, Ecopetrol, INPEX (Japan), Pioneer*

\$280K

2012 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan 1 2012 - Dec 31, 2012

*Various Private Agencies: Anadarko, BP, BHP Billiton, Ecopetrol, ExxonMobil, INPEX (Japan), Nexen, Pioneer, Shell*

\$280K

2012: Shell UH MS Student Support: Provenance Systematics of Middle Cretaceous Sandstones, Western Canada Sedimentary Basin, Alberta, Canada

P.I. Janok P. Bhattacharya, co-P.I. Thomas J. Lapen

Jan 1, 2012-Aug 31, 2012

Shell USA - \$54,105

2011: Shell Lidar Campaign, Utah

P.I. Janok P. Bhattacharya, co-P.I. Shuhab Khan and Guoquan Wang

Nov 15, 2011-Mar 15, 2012

Shell USA - \$62,802

2011: Fluvial Sequence Stratigraphy of Floodplains and Paleosols

P.I. Janok P. Bhattacharya

Jan 1, 2012-Nov 30, 2013

ExxonMobil Upstream Research Co. - \$10,000

2011 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan 1 2011 - Dec 31, 2011

Anadarko, BP, BHP Billiton, ExxonMobil, Nexen, Pioneer, Shell

\$260,000

2010 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan 1 2010 - Dec 31, 2010

Anadarko, BP, Chevron, Nexen, Shell

\$175,000

2009 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan 1 2009 - Dec 31, 2009

Anadarko, BP, Chevron, Shell

\$140,000

2008 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan 1 2008 - Dec 31, 2008

Anadarko, BP, Chevron, Shell

\$167,500

2007 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya  
Jan 1 2007 - Dec 31, 2007  
Anadarko, BP, Chevron  
\$105,500

2006 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya  
Jan 1 2006 - Dec 31, 2006  
Anadarko, BP, Chevron  
\$147,500

*Funded Research- University of Texas at Dallas*

3-D sedimentological and geophysical studies of clastic reservoir analogs: Facies architecture, reservoir properties, and flow behavior within delta front facies elements of the Cretaceous Wall Creek Member, Frontier Formation, Wyoming,

P.I.'s Janok P. Bhattacharya and G.A. McMechan  
Aug 1, 2001 - Dec 31, 2005  
DOE grant # DE-FG0301-ER15166  
\$473,000

Facies Architecture of Wave-Influenced Lowstand Deltas

P.I. Janok P. Bhattacharya  
Jul 1, 2000 - Aug 30 2002  
The Petroleum Research Fund, American Chemical Society  
\$60,000

Sedimentology Research Consortium

P.I. Janok P. Bhattacharya  
Jan 1 2001 - Dec 31, 2005  
BP, ChevronTexaco  
\$205,000

Wave Dominated Delta Research/Sedimentology Website Construction

P.I. Janok P. Bhattacharya  
Jun 1, 2000 - May 31, 2001  
BP-Amoco - \$22,000

## Teaching

Since 1998 I have supervised or co-supervised 14 doctoral and 41 MS students to degree completion. Student names and thesis/dissertation titles are listed below.

### Doctoral Students:

#### *University of Texas at Dallas:*

1. John Barclay Wagner, Ph.D., Spring 2000 (Chief Geologist, Nexen, Dallas)  
Dissertation Title: Interaction and effects of allocyclic processes on the stratal and sedimentological expression of depositional systems: an example from the Bolivian Sub-Andean Foreland basin, 231p.
2. Rucsandra Marie Corbeanu, Ph.D., Spring 2001 (Occidental Petroleum of Qatar)  
Dissertation Title: Detailed internal architecture of ancient distributary channel reservoirs using ground-penetrating radar, outcrop and borehole data - case studies: Cretaceous Ferron Sandstone, Utah, 122p. co-supervised with Kris Soegaard.
3. M. Royan Gani, Ph.D., Summer, 2005 (Associate Professor, Western Kentucky University)  
Dissertation Title: 3-D Facies Architecture of River Deltas: Lessons from the Turonian Wall Creek member, Central Wyoming, 148p.
4. Cornel Olariu, Ph.D., Fall, 2005 (Research Scientist, UT Austin)  
Dissertation Title: Quantitative Study of Delta Front Deposits, 169p.
5. Boyan Krustev Vakarelov, Ph.D. Fall 2006. (Research Scientist, University of Adelaide)  
Dissertation Title: Controls on Stratigraphic Architecture in Shallow Marine Environments: Tectonic Forcing and Mud Geometries, 122p.
6. Junaid Sadeque. Ph.D. Fall 2006 (Chevron, Houston)  
Dissertation Title: Regional Reservoir Compartmentalization within Offlapping, Top-Truncated, Mixed-Influenced Deltas, Wall Creek Member, Frontier Formation, Powder River Basin, Wyoming, 156p.

#### *University of Houston:*

7. Weiguo Li, PhD, Summer 2009 (BP, Houston)  
Dissertation Title: Valleys, Facies, And Sequence Stratigraphy of the Ferron Notom Delta, Capital Reef, Utah. University of Houston, 139p.
8. Olawaseyi Fatoke, Fall 2010, (ConocoPhillips, Calgary, Canada)  
Dissertation Title: Sequence stratigraphy of the Pliocene- Pleistocene strata and shelf-margin deltas of the eastern Niger delta, Nigeria. University of Houston, 258p.

9. Yijie Zhu, PhD, Fall 2010 (Chevron, Houston)

Dissertation Title: Sequence Stratigraphy and facies architecture of the Cretaceous Ferron Notom Delta Complex, South-Central Utah, U.S.A., University of Houston, 128p.

10. Yangyang Li, PhD, Fall 2012 (C.C. Reservoirs, Houston),  
Dissertation Title: Facies Architectural Study of Incised Valleys, Distributary Channels and Mouth Bars in the Cretaceous Ferron Notom Delta, Southern Central Utah, USA. University of Houston, PhD Dissertation 189p.
11. Oyeboode Famubode, PhD, Spring, 2014 (Conoco-Philips, Houston)  
Dissertation Title: Paleosol evolution in a fluvial sequence stratigraphic framework, Cretaceous Ferron Notom Delta, South Central Utah, U.S.A. PhD Dissertation, 148p.
12. Mohammed Shahid Ullah, PhD, Summer 2015 (BP, Houston)  
Dissertation Title: Fluvial Architecture and Paleohydraulic Analysis of Ancient River Deposits in Plan-View and 2-D Vertical Outcrops of the Turonian Ferron Notom Delta, Utah: From Allogenic Valleys To Autogenic Bars, University of Houston, PhD Dissertation, 209p.
13. Felipe Lozano, Summer 2015,  
Dissertation Title: 3D Seismic Geomorphology and Seismic Stratigraphy of Late Quaternary Shelf and Shelf -Margin Depositional Systems, Northern Gulf Of Mexico, University of Houston, PhD Dissertation, 159p.
14. Kivanc Biber, May 2017.  
Dissertation Title: Geologically-and Structurally-Based Characterization of Reservoir Analogs Using Lidar-Derived Quantitative Data. University of Houston, PhD Dissertation, 170p. co-supervised with Shuhab Khan (UH).

#### **Ph.D. Candidates:**

##### UH:

Proma Bhattacharyya, co-supervised with Dr. S. Khan.

##### McMaster:

David Kynaston, Wen Lin, Sandeep Sharma, Nick Randazzo, Jeremy Gabriel

#### **Masters Students:**

##### *University of Texas at Dallas:*

1. Russell Scott Garrick, M.S., Spring 1999  
Thesis Title: Petrography and tectonic provenance analysis of the Latest Cretaceous to early Tertiary Difunta Group Sandstones, Delgado syncline, Parras-La Popa basins, Northeast, Mexico, 106p.
2. Michael M. Adams, M.S., Spring 2001  
Thesis Title: Braided rivers of the Cretaceous Blackhawk Formation, Utah: Implications for sequence stratigraphy of non-marine depositional systems, M.Sc. Thesis, 76p.

3. Cornel Olariu, M.S., Summer 2002. (Research Scientist, UT Austin)  
Thesis Title: Study of Cretaceous delta front deposits, integrating outcrop, GPR and 3D photorealistic data, Panther Tongue sandstone, Utah.  
M.Sc. Thesis, 66p.
4. Karen Droste McGowen (nee McLinjoy), M.S. Fall 2003.  
Thesis Title: Listric, Normal Faults in a Pennsylvanian Delta Front of the Mingus Formation, Bennett, Texas, M.Sc. Thesis 50p.
5. Stephanie Nyman, M.S. Spring, 2004.  
Thesis Title: Provenance and Diagenesis of the Cretaceous Wall Creek sandstone, Frontier Formation, Western Flanks of the Powder River Basin, Wyoming, M.Sc. Thesis, 107p.
6. Annie Covault, M.S. Fall 2006  
Thesis Title: Structural Architecture and deformation of the Salina Creek Tunnel Normal Fault Zone, Central Utah, USA.

***University of Houston:***

7. Morenike O. Coker, M.S. 2006 (*co-supervised with K. Marfurt*)  
Thesis Title: Aquitanian (Lower Miocene) Depositional Systems: Vinton Dome, Onshore, Gulf of Mexico, Southwest Louisiana, 126p.
8. Jamie Lawrence. M.S., 2007  
Thesis Title: Depositional Environments of the Upper Almond Formation in the Great Divide and Washakie basins, South -Central Wyoming, 103p.
9. Eldar Baghirov, M.S. 2007. (*co-supervised with Don Van Nieuwenhuise*).  
Thesis Title: Vertical and Lateral Distribution and Continuity of Balakhany VIII Formation of Azeri Field, Offshore Azerbaijan, 80 p.
10. Hernan M., Reijenstein, M.S. 2008  
Thesis Title: Seismic Geomorphology and High-Resolution Seismic Stratigraphy of Inner Shelf Fluvial, Deltaic, and Marine Sequences, Gulf of Thailand, UH MS Thesis, 53p.
11. Gregoriy Perov, M.S., 2009  
Thesis Title: Pleistocene Shelf-Margin Delta: Intradeltaic Deformation and Sediment Bypass, Northern Gulf of Mexico, UH MS Thesis, 49p.
12. Jared Hammett, M.S., 2009  
Thesis Title: Storm-Dominated Micro-Tidal Barrier Island Depositional Systems within the Cotton Valley, Taylor Sandstone, in East Texas. University of Houston, MS Thesis, 114p.
13. Derek Rice, M.S., 2009 (*co-supervised with J. Wellner*)  
Thesis Title: Major Changes Over Minor Distances: An Offshore Micro-Stratigraphic Study of a Modern Asymmetric Wave-Influenced Delta The Brazos Delta, Texas Gulf Coast USA, University of Houston, MS Thesis, 146p.
14. Ryan Krueger, M.S., 2010



- Thesis Title: Strike variability within a wave-influenced delta, the Gallup Sandstone, Shiprock, New Mexico. University of Houston, MS Thesis, 116p.
15. Daniel Garza, M.S., 2010  
Thesis Title: 3- D Facies Architecture and Mouth Bar Development of a Flood-, Storm-dominated Delta: Cretaceous Ferron Sandstone, Utah. University of Houston, MS Thesis, 68p.
16. Patricia Lee, M.S., 2010  
Thesis Title: A comparison of the geometries of two Pleistocene shelf-margin delta sequences, Vermilion South Addition and Northeast Garden Banks, Gulf of Mexico. University of Houston, UH MS Thesis, 70p.
17. Milly Wright, M.S., 2010  
Project Title: Facies differentiation in fine grained sediments using inorganic whole-rock elemental data within the Ferron Sandstone Member, Notom delta complex, south-central Utah. University of Houston, unpublished MS Capstone Project, 30p.
18. Leigh Owens, M.S., 2011  
Thesis Title: Eustatic Controls of Deformed vs. Undeformed Shelf Edge Deltas Within Salt-Withdrawal Minibasin, Northern Gulf of Mexico, UH MS Thesis, 60p.
19. Michael LoParco M.S., 2011  
Thesis Title: Application of the Asymmetric Wave-influenced delta model to the Cretaceous Gallup Sandstone in Shiprock, New Mexico. UH MS Thesis, 68p.
20. Sumiyyah Ahmed M.S., 2011  
Thesis Title: Construction of an Inertia- to Friction-Influenced Delta Front, Turonian Ferron Sandstone, Utah. UH MS Thesis, 66p.
21. Eric Blankenship M.S. 2011.  
Thesis Title: Sedimentology and structure of gravitationally collapsed flood-dominated mouth-bars in the Cretaceous Notom Delta, Ferron Sandstone Member, Utah, U.S.A.
22. Darsel Seepersad, M.S. Spring, 2012  
Thesis Title: Thin-bedded Facies Analysis of a Ferron Storm-dominated Delta Front and Prodelta: Cretaceous Ferron Sandstone, Utah, UH MS Thesis, 113p.
23. Lucia Torrado, (co-supervised with Dr. P. Mann) M.S. Fall, 2012.  
Thesis Title: Non-Marine, Late Eocene-Oligocene Sequence Stratigraphy And Changing Fluvial Style In The Northern Llanos Foreland Basin Of Colombia, UH MS Thesis, 84p.
24. Omar Montes, M.S. 2013  
Thesis Title: Quantitative Comparison of Channel-Belt Dimensions, Internal Architecture and Characteristics of Two Fluvial Systems in Sequence 1,

- Ferron Notom Delta, South-Central Utah, U.S.A. UH MS Thesis, 66p.
25. Benjamin Hilton, M.S. 2013  
Thesis Title: 3D Allostratigraphic Mapping and Facies Heterogeneity of a Compound, Tributary Incised Valley System, Turonian Ferron Sandstone, Notom Delta, South-Central Utah. UH MS Thesis, 100p.
  26. Heather McGarity, M.S. 2013  
Thesis Title: Facies and Stratigraphic Framework of the Eagle Ford Shale in South Texas, UH MS Thesis, 105p.
  27. Dan Beuchmann (co-supervised with T. Lapen), M.S. 2013  
Thesis Title: Provenance, Detrital Zircon U-Pb Geochronology, and Tectonic Significance of Middle Cretaceous Sandstones from the Alberta Foreland Basin. UH MS Thesis, 96p.
  28. Danfix D'Souza, M.S. Spring, 2013  
Thesis Title: Facies architecture and control on Channel-Belt Geometry; Cretaceous Ferron Notom Delta, Utah U.S.A., UH Thesis, 88p.
  29. Cameron Griffin, M.S., 2013  
Thesis Title: Facies Architecture, Paleo-hydraulics and Fluvial Style of a Falling Stage Terrace deposit within a Compound Valley System, Ferron Notom Delta, Utah, UH MS Thesis
  30. Christopher Campbell, May 2013  
Thesis Title: Valley Widening and the Composite Nature of Valley Margin Sequence Boundaries: Evidence from the Neilson Wash Compound Valley Fill, Cretaceous Ferron Sandstone, Utah, UH MS Thesis, 108p.
  31. Petter Dischington, May 2013  
Thesis Title: Likely Counter Point Bars in Coarse-grained Meandering Fluvial Deposits in the Brushy Basin Member of the Jurassic Morrison Formation, UH MS Thesis, 51p.
  32. Jianqiao Wang, May 2013  
Thesis Title: Plan-View Paleochannel Reconstruction and Paleocurrent Fields of Meanderbelts, Cretaceous Ferron Sandstone, Henry Mountains Region, Utah, UH MS Thesis, 67p.
  33. Chenliang Wu, May 2013  
Thesis Title: Heterogeneity, Paleohydrology, and 3D Facies Architecture of Ancient Point Bars, Ferron Sandstone, Notom Delta, South-Central Utah, UH MS Thesis, 69p.
  34. Benjamin Richards, August 2014  
Thesis Title: Fluvial to marine facies succession in a compound incised valley system in the Ferron-Notom delta, Utah, UH MS Thesis, 60.
  35. Zhiyang Li (PhD Candidate, Indiana State), September 2014  
Thesis Title: Evaluating along-strike variation using thin-bedded facies analysis, Upper Cretaceous Ferron Notom delta, Utah, UH MS Thesis, 93p.
  36. Casey Snyder, (co-supervised with Shuhab Khan, UH), November, 2015.

Thesis Title: Thin-bedded reservoir analogs in ancient delta using high-resolution, ground-based remote sensing technologies, Cretaceous Notom delta, Utah, UH MS Thesis, 86p.

37. Benjamin Browning, (co-supervised with Joel Saylor, UH), April 2017

Thesis Title: High Resolution Facies & Architectural Analysis of a Tributive, Basal Terrace of a Ferron Compound Incised Valley, UH MS Thesis.

***McMaster University:***

39. Stephanie Kimmerle, April, 2016

Thesis Title: Facies Analysis and Paleodischarge of Rivers Within a Compound Incised Valley, Cretaceous Ferron Sandstone, Utah, McMaster MS Thesis, 111p.

40. Logan Jung-Ritchie, September, 2-17

Thesis Title: Measuring the Ratio of Storm-Deposited Gutter Casts, Upper Cretaceous Gallop Sandstone, New Mexico, USA, McMaster MS Thesis.

41. Cristina Genovese, September, 2017

Thesis Title: Detailed Thin-Bedded Facies Analysis of Mancos C in the Upper Mancos Shale, New Mexico, McMaster MS Thesis 65p.

***MSc Candidates:***

Matthew Leung, Monica Wiercigroch, Curtis Ferron

**Undergraduate Student Theses:**

***McMaster:***

1. Kynaston, David (PhD Candidate, McMaster University), April 2014,

Thesis Title: Facies Architecture Of A Tidal Influenced Channel In Cretaceous Ferron Sandstone, Central Utah, 34p.

2. Martin, Harrison Li (MSc Candidate, University of Calgary), April 2015

Thesis Title: Scaling relationships of rib-and-furrow structures in modern and ancient dunes and bars in rivers, 41p.

3. Genovese, Cristina, (MSc Candidate, McMaster University), April 2015,

Thesis Title: Thin Bed and Sandstone Dike Architecture of Cretaceous Ferron Prodelta Shales, Utah 71p.

4. Hamden, Atef, (MSc University of Alberta), April 2015.

Thesis Title: Facies Analysis of Glacio-Lacustrine Hyperpycnites of Southern Ontario, 30p.

5. Huang, Chuqiao, April 2015 (MSc Candidate, Simon Fraser University),

Thesis Title: Shale Mechanics of Growth Faults Containing Planar Bedding Within the Cretaceous Ferron Notom Delta of Utah, USA, 59p.

6. Monica Wiercigroch, April, 2016 (MSc Candidate, McMaster University)

Thesis Title: High-Frequency Stratigraphic Cyclicity Analysis of the Upper

- Cretaceous Juana Lopez Member of the Mancos Shale, New Mexico, 70p.
7. Natasha Cyples, April 2016 (MSc Candidate, Laurentian University)  
Thesis Title: Facies Architecture of Shallow Marine Deltaic Sediments and Associated Channels in a Storm-Dominated Environment, Turonian Ferron Sandstone, Utah, 62p.
  8. Matthew Leung, April, 2016 (MSc Candidate, McMaster University)  
Thesis Title: Thin-Bedded Facies Analysis of Fine-Grained Parasequences: Cenomanian-Turonian Tununk Shale Member, Henry Mountain Region, Utah. 91p.
  9. Zachary Waller, April, 2016.  
Thesis Title: Thin Bed Architecture of Cretaceous Gallup Prodelta Shales, New Mexico. 56p.
  10. Sean Karner, April 2017.  
Thesis Title: Facies Architecture of Shallow Marine and Non-Marine Deltaic Deposits in Parasequence Set 3 and 5 of the Gallup Sandstone Formation, New Mexico, McMaster University BSc Thesis, 51p.
  11. Curtis Ferron, March 2017 (MSc Candidate, McMaster University)  
Thesis Title: Facies Architecture of an Ancient Distributary Channel, Cretaceous Gallup Sandstone, New Mexico, McMaster University BSc Thesis, 46p.
  12. Kristin Dosen, March 2017 (Law School, University of Western Ontario)  
Thesis Title: Mud Distribution in the Cretaceous Western Interior Seaway: A Thin Bedded Facies Analysis of the Upper Mancos Shale, New Mexico. McMaster University BSc Thesis 73p.
  13. Madison McAndrews, April 2017  
Thesis Title: Analysis of Depositional Processes and Stratigraphic Cycles in the Cretaceous Juana Lopez Member of the Mancos Shale, San Juan Basin, New Mexico, McMaster University BSc Thesis 59p.

BSc Candidates: Rachel Nelson, Mitch Davidson, Andrew Stockford

Students on whose committees I have served:

Ekaterina Akhmetzhanova, Mary Amour, Don Barker, Robert Blanchard, Jason Duke, Chris Ennen, Ralph Eseo, Allegra Giblin, Jesus Gomez, Kevin Hall, Rebecca Lee, Sean Lewis, Austin Luker, Salah Mahmoud, John McKay, Krista Mondelli, Ugo Odumah, Iulia Olariu, Jeremy Provost, Jessica Quintanar, Scott Rubio, Barry Shaulis, Katherine Rouch-Smith, Katherine Sposato, Pamela Buzas-Stevens, Pongthep Thongsang, John Thurmond, Majed Turkistani, Steven Wright,

Comprehensive Exam Committees:

## **Courses**

### **McMaster:**

#### *Undergraduate*

- EaSci 4J03: Basin Analysis and Petroleum Systems (*lecture/lab*)
- EaSci 3E03: Clastic Sedimentary Environments (*lecture/lab*)

#### *Graduate*

- EaSci 711 Petroleum Prospect Workshop Sedimentary (*AAPG-IBA Contest*)
- EaSci 715: Readings in Sedimentology and Stratigraphy (*seminar-tutorial*)
- EaSci 756: Advanced Methods in Sedimentology and Stratigraphic Analysis (*lecture and seminar*)
- EaSci 6J03: Basin Analysis and Petroleum Systems (*lecture/lab, taught in conjunction with EaSci 4J03 above*)

### **UH:**

#### *Undergraduate*

- GEOL 1379: Historical Geology (*lecture*)
- GEOL 3350/3150: Principles of Stratigraphy (*lecture/lab*)
- GEOL 3355/3360: Field Geology 1 & II
- GEOL 4382: Introduction to Petroleum Geology (*lecture*)

#### *Graduate*

- GEOL 6380: Sequence Stratigraphy (*lecture*)
- GEOL 6397: Rivers and Deltas (*lecture*)
- GEOL 6381: Introduction to Petroleum Geology (*lecture*)
- GEOL 6396: Sedimentary Geology Seminar
- GEOL 6398: Petroleum Prospect Workshop

### **UTD:**

#### *Undergraduate*

- GEOS 1304: History of Earth and Life, Lecture
- GEOS 1301: History of Earth and Life, Lab
- GEOS 3421: Stratigraphy and Sedimentology
- GEOS 4606: Field Geology II (Summer Field Camp)

#### *Graduate*

- GEOS 5304: Graduate Field Trip
- GEOS 5305: Petroleum Geosciences
- GEOS 5327: Sequence Stratigraphy
- GEOS 5342: Facies Analysis in Clastic Environments
- GEOS 7140: Sedimentology-Stratigraphy Workshop

## Service Activities

### *External Service:*

SEPM President-elect and President	2014-2016
SEPM Sedimentology Councilor	2011-2013
AAPG Annual Convention SEPM Theme Chair	2010-2011
GSA L.L. Sloss Award Committee	2009-2014
External Ph.D, Examiner, Imperial College, London	2009
AAPG Education Committee co-Chair	2008-2011
AAPG Distinguished Lecturer Committee	2007-present
President-elect/President/Past -president GCSSEPM	2007-2009
SEPM Vice Chair for AAPG/SEPM 2008 Annual Meeting	2006-2008
Associate Editor - AAPG Bulletin	2005-2017
Assistant Editor ( <i>Special Issue</i> ) - Interpretation	2014
Associate Editor - Journal of Sedimentary Research	2002-present
Technical program Chair for AAPG 2004 Annual Meeting	2002-2004
Field Trip Chair for AAPG/SEPM 1999 Annual Meeting	1998-1999
Panelist - NSF-OCE Division	2002-2004, 2009
Journal Reviews - AAPG Bulletin, Basin Research, CSPG Bulletin, Earth and Planetary Science Letters, Earth Sciences Research Journal, Earth-Science Reviews, Geology, Geomorphology, Geosphere, Geophysics, Geophysical Research Letters, Geomorphology, GSA Bulletin, International Geology Reviews, Interpretation, Journal of Geophysical Research-Earth Surface, Journal of Sedimentary Research, Nature, Petroleum Geoscience, Quaternary Research, Science, Sedimentary Geology, Sedimentology, Terra Nova	
Panel reviews - National Science Foundation, American Chemical Society - Petroleum Research Fund, Natural Sciences and Engineering Research Council of Canada (NSERC).	

### *McMaster Service:*

AAPG Student Chapter Faculty Representative	2014-present
Presenter in McMaster New Faculty Workshop	2014
Acting Associate Chair (Graduate Students)	2014-15

### *UH Service:*

Associate Chair and Chairman EAS	2012-13
University Coordinating Committee (Faculty Senate)	2012
UH Farfel Award Committee	2011-2012
Chair UH Research and Scholarship Council of the Faculty Senate	2011-2012
NSM Space Committee	2011
AAPG Student Chapter Representative	2009-2011
NSM Policy Committee	2010-2012
UH Scholarship and Community Conference Committee	2010

UH Subsurface Energy Advisory Committee	2010
UH Subsurface Energy Workforce and Education Committee	2010
UH Research Council	2007-2011
EAS Personnel Committee	2006-2011
EAS Faculty Search Committees	various
EAS Graduate Comprehensive Qualifying Exam	2006
EAS Graduate Entrance Exam Committee	2006

*UTD Service:*

Member UTD Committee in Qualifications (CQ)	2004 -2005
Chair of Geosciences Department Seminar Series	2004 - 2005
Member of Academic Council	2003-2004
Served on NS & M Dean Search Committee	2003
Presented talk to incoming prospective students	Nov. 9 <sup>th</sup> , 2002
Chair, Faculty Search Committee	2002
Served on committee for 3-year faculty review	2002
Faculty Senator	2001- 2004
Chair of Geosciences Department Seminar Series	1999 - 2000
Member Geophysics Faculty Search Committee	1999
Conducted Pre-Health Interviews (HPAC)	1999 - 2001
External Chair UTD Ph.D. Exams	1999, 2001, 2004