

**Dr. Janok P. Bhattacharya**  
**Curriculum Vitae - 2012**

**Educational History:**

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

**Employment History:**

- 2005-present: **Robert Sheriff Professor of Sequence Stratigraphy** – Univ. of Houston
- 1998-04: **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 Professional Services:**

- 2009-2010: **Expert Witness Reporting**, Barg Coffin, Lewis and Trapp, LLP.
- 2007-2009: **President Elect, President, Past-president, GCSSEPM**
- 2006-2008: **SEPM Vice Chair**, AAPG 2008 Convention, San Antonio, TX
- 2005-present: **Associate Editor**, AAPG Bulletin
- 2002-present: **Associate Editor**, Journal of Sedimentary Research
- 2002-04 **Technical Program Chair**, AAPG 2004 Convention, Dallas, TX

**Recognition and Honors:**

- 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.
- 1989-91 N.S.E.R.C. Post Doctoral Fellowship.
- 1984-88 N.S.E.R.C. Post Graduate Scholarship.
- 1984-88 Hooker Scholarship (McMaster University).
- 1976-81 N.S.E.R.C. Undergraduate Research Scholarship, IOCC Scholarship.

**Professional Memberships:**

SEPM (Society of Sedimentary Geology), International Association of Sedimentologists, AAPG, Geological Society of America, Houston Geological Society

**Publications:**

*Papers in preparation:*

65. Ahmed, S., Bhattacharya, J.P., Garza, D.E, Li, Y., *in prep.*, Construction of an inertia-to friction-influenced delta front, Turonian Ferron Sandstone, Utah, *to be submitted to JSR.*
64. Owens, L., and Bhattacharya, J.P., *in prep.*, eustatic controls of deformed versus undeformed shelf edge deltas within a salt-withdrawal minibasin, northern Gulf of Mexico, *to be submitted to AAPG Bulletin.*

*Refereed Papers submitted:*

63. Holbrook, J., and Bhattacharya, J.P., *submitted*, Death of a Sequence Boundary: Converging ideas from field and flume on the origin and timing of the Regional Composite Scour (RCS) discontinuity and its continued use as the archetypical sequence-bounding unconformity. *submitted to Earth Science Reviews.*
62. Li, Y. and Bhattacharya, *submitted*, Falling stage compound valley systems, Ferron Notom Delta, *submitted to JSR.*
61. Treverton (Covault), A.H., Davies, R.K., Bhattacharya, J.P., *in revision*, Detailed Fault Zone Architecture of the Salina Creek Tunnel Normal Fault, Central, Utah: Implications for Fault Zone Evolution and Style. *in revision: Journal of Structural Geology.*

*Refereed Papers or Book Chapters in press:*

60. Zhu, Y., Bhattacharya, J.P., Li, W., Lapen, T.J., Jicha, B., and Singer, B., *in press*, High-frequency sequence stratigraphy of the Turonian Ferron Notom Deltaic Complex, South-Central Utah: Evidence for glacio-eustasy? *Journal of Sedimentary Research.*
59. Li, W., Zhu, Y., and Bhattacharya, J.P., *in press*, 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.*

*Published Articles in Refereed Books and Journals:*

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. *available online, Marine and Petroleum Geology*, 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*, 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*.
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., 2011, 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*, 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 Nebriggic, 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., Corbeau, 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., Lorsong, 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.), 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, Calgary, Alberta, 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>nd</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:*

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 13<sup>th</sup>, 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.
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### *Refereed Abstracts:*

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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.
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  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 Lorscheider, 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. Lorscheider & Sindelar, S.T. 1994. Characterization of a fluvially 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. Lorscheider, 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, Trempealeau, 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. Sediments1990, 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*

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:*

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*

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 Analogs 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

UH 2005-2011:	\$1,122,407
UTD 1998-2005:	\$760,000
2011 Career Total:	<u>\$1,882,407</u>

### *Pending Research– University of Houston*

#### 2012 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan.1 2012 - Dec 31, 2012

*Various Private Agencies:* Anadarko, BP, BHP Billiton, Chevron, ConocoPhillips, Ecopetrel, ExxonMobil, INPEX (Japan), Korean National Oil Company, Nexen, PDVSA, Pioneer, Shell, Statoil, YPF

\$525,000 *requested*

### *Funded Research– University of Houston*

#### 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

January 1st, 2012-August 31st, 2012

Shell USA - \$54,105 (payment pending)

#### 2011: Shell Lidar Campaign, Utah

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

November 15th, 2011-March 15th, 2012

Shell USA - \$62,802 (payment pending)

#### 2011: Fluvial Sequence Stratigraphy of Floodplains and Paleosols

P.I. Janok P. Bhattacharya

January, 2012-November 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 (UTD)  
August 1, 2001 – December 31, 2005  
DOE grant # DE-FG0301-ER15166  
\$473,000

Facies Architecture of Wave-Influenced Lowstand Deltas

P.I. Janok P. Bhattacharya (UTD)  
July 1, 2000 - August 30 2002  
The Petroleum Research Fund, American Chemical Society  
\$60,000

Sedimentology Research Consortium (UTD)

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 (UTD)  
June 1, 2000 - May 31, 2001  
BP-Amoco - \$22,000

## Teaching

Since 1998 I have supervised 9 doctoral and 20 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.
3. M. Royan Gani, Ph.D., Summer, 2005 (Assistant Professor, University of New Orleans)  
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.

Ph.D. Candidates in progress:

Yangyang Li, Felipe Lozano, Benny Wang, Oyebode Famubode

**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 (Gaedeke Oil & Gas, Dallas).  
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. (Mearsk Oil and Gas, Houston)  
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. (ExxonMobil, Houston)  
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 (Chevron, Houston)  
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*) (Halliburton Houston)  
Thesis Title: Aquitanian (Lower Miocene) Depositional Systems: Vinton Dome, Onshore, Gulf of Mexico, Southwest Louisiana, 126p.
8. Jamie Lawrence. M.S., 2007 (Marathon Oil Company, Houston)  
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*). (Paradigm, Houston)  
Thesis Title: Vertical and Lateral Distribution and Continuity of Balakhany VIII Formation of Azeri Field, Offshore Azerbaijan, 80 p.
10. Hernan M., Reijnenstein, M.S. 2008 (Chevron, Houston)  
Thesis Title: Seismic Geomorphology and High-Resolution Seismic Stratigraphy of Inner Shelf Fluvial, Deltaic, and Marine Sequences, Gulf of

- Thailand, 53p.
11. Gregoriy Perov, M.S., 2009 (Hess, London, UK)  
Thesis Title: Pleistocene Shelf-Margin Delta: Intradeltaic Deformation and Sediment Bypass, Northern Gulf of Mexico, 49p.
  12. Jared Hammett, M.S., 2009 (Plantation Petroleum Companies, Abilene)  
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*) (Vice President, Rice Energy, Canonsburg, Pennsylvania)  
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 (Sanchez Oil and Gas)  
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 (Sanchez Oil and Gas and PhD candidate, UH)  
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 (Hunt Oil and Gas, Dallas)  
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, MS Thesis, 70p.
  17. Milly Wright, M.S., 2010 (Chemostrat, Houston)  
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 (Chevron, Houston)  
Thesis Title: Eustatic Controls of Deformed vs. Undeformed Shelf Edge Deltas Within Salt-Withdrawal Minibasin, Northern Gulf of Mexico
  19. Michael LoParco M.S., 2011 (Oxy, Houston)  
Thesis Title: Application of the Asymmetric Wave-influenced delta model to the Cretaceous Gallup Sandstone in Shiprock, New Mexico.
  20. Sumiyyah Ahmed M.S., 2011 (Oxy, Houston)  
Thesis Title: Construction of an Inertia- to Friction-Influenced Delta Front, Turonian Ferron Sandstone, Utah. 66p.
  21. Eric Blankenship M.S. 2011. (O'Brien Energy Co., Shreveport, Louisiana)  
Thesis Title: Sedimentology and structure of gravitationally collapsed flood-dominated mouth-bars in the Cretaceous Notom Delta, Ferron Sandstone Member, Utah, U.S.A.

MS Candidates in progress:

Chris Campbell, Petter Dischington, Cameron Griffiths, Ryan DuPuis, Ben Hilton, Jarratt Kelso, Omar Montes, Darsel Seepersad, Lucia Torrado, Jianqiao Wang, Chenliang Wu, Dan Beuchmann (co-supervised with T. Lapen),

UH Students on whose committees I have served:

Ekaterina Akhmetzhanova, Don Barker, Robert Blanchard, Jason Duke, Chris Ennen, Ralph Eseo, Allegra Giblin, Jesus Gomez, Kevin Hall, Sean Lewis, Austin Luker, John McKay, Krista Mondelli, Ugo Odumah, Jeremy Provost, Jessica Quintanar, Scott Rubio, Barry Shaulis, Katherine Sposato, Pongthep Thongsang, Steven Wright



## **UH Courses Taught**

### *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 Courses Taught:**

### *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 5441: Facies and Stratigraphic Analysis  
GEOS 7140: Sedimentology-Stratigraphy Workshop

## **Administration and Curricular Development**

### *External Service:*

SEPM Sedimentology Councilor	2011-2013
AAPG Annual Convention SEPM Theme Chair	2010-2011
GSA L.L. Sloss Award Committee	2009-present
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-present
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, CSPG Bulletin, Earth Sciences Research Journal, Earth Science Reviews, Geology, Geosphere, Geophysics, Journal of Sedimentary Research, Quaternary Research, 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).

*UH Service:*

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

*UTD Service:*

Member UTD Committee in Qualifications (CQ)	Fall 2004 – Fall 2005
Chair of Geosciences Department Seminar Series	Fall 2004 - Spring 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	Fall 2002
Served on committee for 3-year faculty review	Fall 2002
Faculty Senator	Fall 2001-Spring 2004
Chair of Geosciences Department Seminar Series	Fall 1999 - Spring 2000
Member Geophysics Faculty Search Committee	Spring 1999
Conducted Pre-Health Interviews (HPAC)	1999 - 2001
External Chair UTD Ph.D. Exams	Spring 1999, Spring 2001, Fall 2004
Undergraduate recruitment fair	Fall 1998