

Dr. Janok P. Bhattacharya
Professional Vita - 2011

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:

- 2007-2009: **President Elect, President, Past-president, GCSSEPM**
- 2006-2008: **SEPM Vice Chair**, AAPG 2008 Convention, San Antonio, TX
- 2005-2007: **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:

- 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 Post Doctoral Fellowship, N.S.E.R.C. (Canada).
- 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.
- Iron Ore Company of Canada Scholarship.

Professional Memberships:

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

Publications:

Refereed Papers submitted:

57. Li, W., Zhu, Y., and Bhattacharya, J.P., *submitted*, stratigraphic uncertainty in sparse vs. rich data sets in a fluvial-deltaic outcrop analogue: Ferron "Notom delta", Henry Mountains region of Utah, USA. *Submitted to AAPG Bulletin.*

Refereed Papers in revision:

56. Li, W., and Bhattacharya, J.P., *in revision*, Architecture and depositional processes of a forced regressive series in the Turonian Ferron "Notom Delta", southern Utah, U.S.A. *accepted with moderate revisions*, Marine and Petroleum Geology.
55. Reijnenstein, H., Posamentier, H.W., and Bhattacharya, J.P., *in revision*, Seismic Geomorphology and High-Resolution Seismic Stratigraphy of Inner Shelf Fluvial, Estuarine, Deltaic, and Marine Sequences, Gulf of Thailand, *accepted with minor revision*, AAPG Bulletin.

Refereed Papers or Book Chapters in press:

54. Olariu, M., Aiken, C.V., Bhattacharya, J.P., and Xu, X., *in press*, 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.
53. Bhattacharya, J.P., *in press*, 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. *Invited contribution to decadal issue of Sedimentology.*
52. Perov, G., and Bhattacharya, J.P., *in press*, Pleistocene Shelf-Margin Delta: Intradeltaic Deformation And Sediment Bypass, Northern Gulf Of Mexico, AAPG Bulletin.
51. Li, W., Bhattacharya, J.P., Zhu, Y., Garza, D., and Blankenship, E., *in press*, Evaluating Delta Asymmetry using 3D Facies Architecture and Ichnological Analysis, Ferron Notom Delta, Capital Reef Utah, USA, Sedimentology (online version is available).
50. Bhattacharya J.P., *in press (invited contribution)*, Deltas, in: Facies Models 4th Edition, R.G. Dalrymple and N.P. James (eds). Geological Association of Canada.

Published Articles in Refereed Books and Journals:

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 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., 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 2nd-4th*, 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 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. 3rd and 7th, 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 3rd, 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.
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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 Lorscheich, 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. Lorscheich & 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. Lorscheich, 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

14. Bhattacharya, J.P., 2008, Applying the Clinof orm Concept to Correlation of Deltaic and Shallow Marine Deposits. In: R. Steel and C. Nittrouer (convenors) Clinof orm 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 7-12th, Keynote Talk.
 9. Bhattacharya, J.P., 2004. What's New in Deltas? 5th International Conference on Asian Marine Geology, IGCP-475 DeltaMAP/ APN Mega-deltas in Asia, 13-18th 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*. 22nd 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:

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 Anadarko in Denver in 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 30th, 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, 12-14th, 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. 14th, 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 28th, 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 16th, 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. 11th, 2002, Distributary Channels, Fluvial Channels or Incised Valleys? Houston Geological Society.
33. Bhattacharya, J. P. Feb. 21st, 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, 12th, 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, 13-14th, 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. 8th, 2002, 3D Outcrop reservoir Characterization, Talk given to Dallas Geological Society.
27. Bhattacharya, J.P., Nov. 22nd, 2002. What's New in Deltas? Talk given at Tulane University for the New Orleans Geological Society.
26. Bhattacharya, J.P., Dec. 13th, 2001, Distributary Channels, Fluvial Channels or Incised Valleys? various talks given to BP Sunbury, England
25. Bhattacharya, J.P., Dec. 10th, 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 5th, 2001, 3D Outcrop reservoir Characterization, talk given to BP Canada.
21. Bhattacharya, J.P., Oct. 22nd, 2001, Growth Faults at the prodelta to delta front transition, Ferron sandstone, Utah; talk given to BP Houston.
20. Bhattacharya, J.P., Oct. 13th, 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 14th, 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 to give 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. NSF Geoprisms workshop (attended), February 14th-16th, San Antonio, TX.
25. UH Future of Energy, University of Houston Scholarship and Community Conference, Friday April 23rd.
24. 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.
22. 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.
21. Payenberg, T. and Bhattacharya, J.P. (co-chairs), 2008, Outcrop Analogs in Reservoir Characterization, AAPG Annual meeting, San Antonio, TX.
20. Castagna, J.P., and Bhattacharya, J.P. (convenors), 2007, Advances and Applications of Geophysics in Petroleum Exploration and Production, A conference to celebrate the 85th birthday of Robert E. Sheriff. April 18-19th, University of Houston, Hilton Hotel.
19. Payenberg, T. and Bhattacharya, J.P. (co-chairs), 2006, Outcrop Analogues in Reservoir Characterization. AAPG International Conference and Exhibition, Nov. 5-8th, Perth, Australia.

18. 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 9th-12th, 2006.
17. 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 9th-12th, 2006.
16. Wood, L.J., Bhattacharya, J.P., and Moscardelli, L., 2006, Recent Advances in Deepwater and Shelf Siliciclastic facies Models: Implications for Reservoir Characterization (SEPM Oral Session), AAPG Annual Meeting, Houston, TX, April 9th-12th, 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 (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 28th, 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 6th, 2001, co-chaired with Dr. Simon Lang, Alluvial Architecture. Oral and Poster Session. 7th 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. Session Chair with Bilal U. Haq: 1998, Theme Session C3: Deltas. International Sedimentological Congress, April 12-17, Alicante, Spain.
2. 1994-98 Co-convenor, SEPM Research Group on Sequence Stratigraphy
1. 1997 Technical Committee Member, GCSSEPM Research Conference

External Funding for Original Investigations

Career total, 1998-2010: \$1,495,500

Pending Research– University of Houston

2011 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan.1 2011 - Dec 31, 2011

Andarko, BP, BHP, Chevron, Korea National Oil Corporation, Nexen, Pioneer,
Shell

\$280,000 *requested*

Funded Research– University of Houston

2010 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan.1 2010 - Dec 31, 2010

Andarko, BP, Chevron, Nexen, Shell

\$175,000

2009 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan.1 2009 - Dec 31, 2009

Andarko, BP, Chevron, Shell

\$140,000

2008 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan.1 2008 - Dec 31, 2008

Andarko, BP, Chevron, Shell

\$167,500

2007 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan.1 2007 - Dec 31, 2007

Andarko, BP, Chevron

\$105,500

2006 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan.1 2006 - Dec 31, 2006

Andarko, 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. Janok P. Bhattacharya, G.A. McMechan (UTD)

DOE grant # DE-FG0301-ER15166

August 1, 2001 – December 31, 2005

\$473,000

Facies Architecture of Wave-Influenced Lowstand Deltas

P.I. Janok P. Bhattacharya (UTD)

The Petroleum Research Fund, American Chemical Society

July 1, 2000 - August 30 2002

\$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)

BP-Amoco

June 1, 2000 - May 31, 2001

\$22,000

Teaching

Doctoral Students:

University of Texas at Dallas:

1. John Barclay Wagner, Ph.D., Spring 2000
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
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
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
Dissertation Title: Quantitative Study of Delta Front Deposits, 169p.
5. Boyan Krustev Vakarelov, Ph.D. Fall 2006.
Dissertation Title: Controls on Stratigraphic Architecture in Shallow Marine Environments: Tectonic Forcing and Mud Geometries, 122p.
6. Junaid Sadeque. Ph.D. Fall 2006
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
Dissertation Title: Valleys, Facies, And Sequence Stratigraphy Of The Ferron Notom Delta, Capital Reef, Utah, University of Houston, 139p.
8. Olawaseyi Fatoke, 2010,
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
Dissertation Title: Sequence Stratigraphy and facies architecture of the Cretaceous Ferron Notom Delta Complex, South-Central Utah, U.S.A., University of Houston, 128p.

Candidates in progress:

Yangyang Li, Felipe Lozano, Benny Wang, Oyebode Fambode

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.
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 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, 53p.

11. Gregoriy Perov, M.S., 2009

Thesis Title: Pleistocene Shelf-Margin Delta: Intradeltaic Deformation and Sediment Bypass, Northern Gulf of Mexico, 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, 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.

Candidates in progress:

Sumiyah Ahmed, Eric Blankenship, Chris Campbell, Petter Dischington, Ryan DuPuis, Jarratt Kelso, Michael LoParco, Leigh Owens

UH Students on whose Committees I served:

Ekaterina Akhmetzhanova, Don Barker, Dan Beuchmann, Robert Blanchard, Jason Duke, Chris Ennen, Ralph Eseo, Allegra Giblin, Jesus Gomez, Sean Lewis, Austin Luker, John McKay, Krista Mondelli, Ugo Odumah, Jeremy Provost, Scott Rubio, Barry Shaulis, 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:

AAPG Annual Convention SEPM Theme Chair	2010-2011
GSA L.L. Sloss Award Committee	2009-present
External Examiner for P. Deveugle, Imperial College, London	2009
AAPG Education Committee Vice-Chair	2008-present
AAPG Distinguished Lecturer Committee	2007-present
President-elect/President/Past -president GCSSEPM	2007-2009
SEPM Vice Chair, AAPG/SEPM 2008 Annual Meeting	2006-2008
Associate Editor – AAPG Bulletin	2005-present
Associate Editor – Journal of Sedimentary Research	2002-present
Technical program Chair, AAPG 2004 Annual Meeting	2002-2004
Field Trip Chair, AAPG/SEPM 1999 Annual Meeting	1998-1999
Panelist – NSF-OCE Division	2002-2004, 2009
Reviewer – Geology, Geosphere, Sedimentology, AAPG Bulletin, Journal of Sedimentary Research, Geophysics, Terra Nova, National Science Foundation, American Chemical Society – Petroleum Research Fund, Natural Sciences and Engineering Research Council of Canada (NSERC).	

UH Service:

AAPG Student Chapter Representative	2009-2011
NSM Policy Committee	2010-2011
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
Dept. Personnel Committee	2006-present
Faculty Search Committees	various
Graduate Comprehensive Qualifying Exam	Fall 2006
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 th , 2002
Chair, Faculty Search Committee	Fall 2002
Served on committee for 3-year faculty review.	Fall 2002
Served on faculty senate	Fall 2001-Spring 2004
Chair of Geosciences Department Seminar Series	Fall 1999 - Spring 2000
Served on Geophysics Faculty Search Committee	Spring 1999
Conducted Pre-Health Interviews (HPAC)	1999 - 2001

External Chair UTD Ph.D. Exams
Undergraduate recruitment fair

Spring 1999, Spring 2001, Fall 2004
Fall 1998