

Dr. Janok P. Bhattacharya

Curriculum Vitae - 2021

Educational History:

- 1989 **Ph.D.** – Geology, McMaster University
1981 **B.Sc. (hons.)** – Geology, Memorial Univ. of Newfoundland

Employment History:

- 2013-present: **Susan Cunningham Research Chair in Geology**, McMaster University
2018-19: **Associate Director (Graduate Studies)**, SGES, McMaster University
2017-18: **Acting Director, School of Geography and Earth Sciences**, McMaster
2016-17: **Associate Director (Graduate Studies)**, SGES, McMaster University
2014-15: **Acting Associate Director (Graduate Studies)**, McMaster University
2012-13: **Associate Chair and Chairman** - University of Houston
2005-13: **Robert Sheriff Professor of Sequence Stratigraphy** – University of
Houston
1998-05: **Associate Professor & Professor** - University of Texas at Dallas
1997-98: **Senior Research Geologist** - ARCO, Plano, Texas
1995-97: **Research Associate** - Bureau of Economic Geology, UT Austin
1991-95: **Research Geologist** - ARCO, Plano, Texas
1989-91: **Project Geologist** - Alberta Research Council, Edmonton, Canada
1989: **Sessional Instructor** - Memorial University of Newfoundland, Canada
1981-84: **Explorationist** - Esso Resources Canada Ltd., Calgary, Alberta

External Volunteer Service:

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

Professional Recognition and Honors:

- 2019 Best Oral Presentation, CSPG Annual Meeting
2013 AAPG Charles H. Taylor Fellow
2011 SEPM Certificate of Recognition, for excellence of technical presentation
2010 GCAGS Outstanding Educator Award
2007 AAPG Grover E. Murray Memorial Distinguished Educator Award
2005 AAPG SW Section Distinguished Educator Award
2005 AAPG Distinguished Lecturer 2005-2006
2004 Best Oral Presentation, CSPG Annual Meeting
2004 Certificate of Merit, AAPG

- 2004 Professional Service Award, Dallas Geological Society
- 2002 Houston Geological Society, Best Oral Paper Award
- 2002 Frank Kottowski Memorial Presentation Award, AAPG/EMD
- 2001 AAPG A.L. "Al" Cox Award, best poster
- 1999 SEPM Appreciation Award
- 1993 ARCO Exploration Research and Technical Services Award of Excellence

Professional Memberships:

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

Publications:

Books:

Copeland, P., and Bhattacharya, J.P., *in prep.*, The Rock Record: Stories of Our Geologic History. Contracted by Cambridge press. Due Sept., 2021. We have written drafts of 17 of 19 planned chapters:

1. Rocks: the pages of our geologic history
2. The philosophies of geology
3. The origin of the universe, the elements, our galaxy and earth
4. The age of the earth
5. Plate Tectonics
6. Evolution
7. The origin of our atmosphere and life
8. Snowball Earth
9. The Cambrian Explosion, the Burgess Shale and the diversity of life
10. Pangea
11. Climate revolutions: the greening of the earth, the long ice-house and the great dying
12. Tectonics of Western North America
13. Age of Dinosaurs
14. The Cretaceous Extinction
15. The Himalaya
16. The great drying of the Mediterranean
17. Out of Africa – The Story of Humans
18. Ice ages and sea level
19. The Anthropocene

Refereed Papers:

Submitted:

109. Ferron, C., Bhattacharya, J.P., Matthews, W., Lin, W., Sharma, S., *submitted*, Resolving tectonic and eustatic sequence diachrony between the Late Cretaceous Gallup and Torrivio sandstones, New Mexico, *submitted to Geology*.
108. Randazzo, N., Bhattacharya, J.P., Walecki, M., Kim, S-T., *submitted*, Geochemical Correlating of Late Cretaceous Bentonites from the Mancos Shale, Utah and New Mexico, USA, *submitted to Clays and Clay Minerals*.
107. Jung-Ritchie, L., Bhattacharya, J.P., and Lin, W., *submitted*, Measuring the Ratio of Storm-Deposited Gutter Casts, Upper Cretaceous Gallup Sandstone, New Mexico, USA, *submitted to Sedimentology*.

106. Kynaston, D. S., Jicha, B.R., Ferron, C., and Howell, J., *submitted*, Paleogeographic Reconstruction and Provenance Analysis of a Compound Valley and Associated Deltaic Wedges, Turonian Ferron Sandstone, USA, *submitted to* Journal of Sedimentary Research.
105. Turkistani, M., Reinhardt, E., Kynaston, D., Janok Bhattacharya, J.P., *submitted*, Foraminiferal and thecamoebians morphogroup analysis of the Upper Cretaceous (Turonian) Ferron-Notom delta, central Utah, USA, *submitted to*, *Marine Micropaleontology*.
104. Kynaston, D., and Bhattacharya, J.P., *in revision*. Mudstone Dimensions Within the Backwater Zone and Paleohydraulics in a Tidally Influenced Tributary Valley Fill, Cretaceous Ferron Sandstone, Utah. *in revision*, The AAPG Bulletin.

Accepted:

103. Bhattacharya, J.P., Li, W., and Zhu, Y., *accepted*, Sequence Stratigraphy in Paralic Systems - Exercise 9.2: High-Resolution Sequence Stratigraphy of the Ferron Notom wedge, Utah. in Abreu, V., Neal, J., Bohacs, K.M., and Kalbas, J.L., eds. Sequence Stratigraphy of Siliciclastic Systems - The Exxon Mobil Methodology, *accepted with minor revisions to* - SEPM Concepts in Sedimentology and Paleontology, v. 9.

In press:

102. Miall, A.D., Holbrook, J., Bhattacharya J.P., *in press*, The Stratigraphy Machine, Journal of Sedimentary Research.

Published Articles in Refereed Books and Journals:

101. Lin, W., Kynaston, D., Ferron, C.J., Bhattacharya, J.P., and Matthews, W., 2021, A revisit to the Late Cretaceous Tocito Sandstone: new understanding of its sequence stratigraphic and depositional evolution, Journal of Sedimentary Research, 91, 415-432.
100. Kynaston, Bhattacharya, J.P., Singer, B.S., Jicha, B.R., 2021, Facies Architecture and Time Stratigraphic Relationships of a Confined Trunk-Tributary Valley Fill and Unconfined Fluvial System within the Backwater of the Turonian Ferron-Notom Delta, Utah, The Journal of Sedimentary Research, 91, 66-91.
99. Lin, W., Bhattacharya, J.P., and Ferron, C., 2021, Storm-flood-dominated delta: a new type of delta in stormy oceans, Sedimentology, 68, 1109-1136, DOI: 10.1111/sed.12819
98. Lin, W., Bhattacharya, J.P., Jicha, B., Singer, B., and Matthews, W., 2021, Has Earth ever been ice-free? Implications for glacio-eustasy in the Cretaceous greenhouse age using high-resolution sequence stratigraphy. GSA Bulletin, v.133, p.243-252, <https://doi.org/10.1130/B35582.1>,

97. Lin, W., Ferron, C., Karner, S., and Bhattacharya, J.P., 2020, Classification of paralic channel sub-environments in an ancient system using outcrops: the Cretaceous Gallup system, New Mexico, *Journal of Sedimentary Research*. V.90 (9): p.1094–1113.
96. Bhattacharya, J.P., Howell, C.D., MacEachern, J.A., Walsh, J.P., 2020, Bioturbation, sedimentation rates, and preservation of flood events in deltas, *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 560, 20p, 11049. <https://doi.org/10.1016/j.palaeo.2020.110049>
95. Torrado, L., Carvajal-Arenas, L.C Mann, P., and Bhattacharya, J., 2020, Late Eocene-Early Miocene sequence stratigraphy and changing fluvial style of the Carbonera Formation in the Llanos foreland basin of Colombia. *Online Journal of South American Earth Sciences*. V. 104, December 2020, 102607, <https://doi.org/10.1016/j.jsames.2020.102607>
94. Lin, W., and Bhattacharya, J.P., 2020, Depositional facies and high-resolution sequence stratigraphic analysis of a mixed-process influenced deltaic system in a stormy ramp setting: the Cretaceous Gallup system, New Mexico, U.S.A., *Sedimentology*. v.67, p.920-950, doi: 10.1111/sed.12667.
93. Bhattacharya, J.P., Miall, A.D., Ferron, C., Gabriel, J., Randazzo, N., Kynaston, D., Jicha, B.R., and Singer, B.S., 2019, Time-stratigraphy in point sourced river deltas: application to sediment budgets, shelf construction, and paleo-storm records. *Earth-Science Reviews*, v.199, 25p. <https://doi.org/10.1016/j.earscirev.2019.102985>
92. Lin, W., Bhattacharya, J.P., and Stockford, A., 2019, High-Resolution Sequence Stratigraphy of the Late Cretaceous Gallup System, New Mexico, U.S.A., *Journal of Sedimentary Research*, v. 89, 552-575, <https://doi.org/10.2110/jsr.2019.32>
91. Jud, N.A., D’Emic, M.D., Williams, S.A., Mathews, J.C., Tremaine, K.M., Bennett, S.C., Bhattacharya, J.P., 2018, A New Coastal Fossil Assemblage shows Large Angiosperm Trees Grew in North America by the Turonian (Late Cretaceous). *Science Advances*. 4 (9), eaar8568, DOI: 10.1126/sciadv.aar8568.
90. Barker, D.C., and Bhattacharya, J.P., 2018, Sequence Stratigraphy on an Early Wet Mars, *Planetary and Space Science*, v. 151, p.97-108, doi:10.1016/j.pss.2017.11.012.
89. Richards, B., and Bhattacharya, J.P., 2018, Stratigraphy of the Fluvial to Marine Transition Zone Associated with a Forced Regressive Compound Incised Valley System in The Turonian Ferron-Notom Delta, Utah, *The Journal of Sedimentary Research*. v., 88, p.311-326, doi.org/10.2110/jsr.2018.17
88. Li, Y., Bhattacharya, J.P., Garza, D., Ahmed, S., 2018, Facies architecture and paleogeography of a symmetrical, wave-influenced valley-fed delta in the Cretaceous Ferron Sandstone, Utah, USA. *The Journal of Sedimentary Research*, v.88, p.214-240, doi.org/10.2110/jsr.2018.9

87. Kimmerle, S., and Bhattacharya, J.P., 2018, Facies, Backwater Limits, and Paleohydraulic Analysis of Rivers within a Forced-Regressive, Compound Incised Valley, Cretaceous Ferron Sandstone, Utah, *The Journal of Sedimentary Research*, v.88, p. 177-200, doi.org/10.2110/jsr.2018.5
86. Alonso de Linaje de Nicolás, V., Khan, S.D., and Bhattacharya, J.P., 2018, Study of carbonate concretions in the Frontier Formation using imaging spectroscopy. *International Journal of Applied Earth Observation and Geoinformation*, v.66, p. 82-92.
85. Wang, J., and Bhattacharya, J.P., 2018, Plan-view Paleochannel Reconstruction of Meanderbelts, Cretaceous Ferron Sandstone, Notom Delta, South-Central Utah, U.S.A., *The Journal of Sedimentary Research*, v. 88, p.58-74, doi.org/10.2110/jsr.2017.77
84. Biber, K., Khan, S.D., Bhattacharya, J.P., Barton, M.D., and Glennie, C.L., 2017, Quantitative characterization of shales within tidally influenced fluvial valley fill deposits of the Ferron Sandstone, eastern Utah: Implications for hydrocarbon exploration, *AAPG Bulletin*, v. 101, p. 1599-1623.
83. Bhattacharya J.P. and MacEachern, J.A., 2017, Shallow thinking in deep time. *CSPG Reservoir*, V.44 (5), 20-22.
82. Pemberton, S.G., Bhattacharya, J.P., MacEachern, J.A., and Pemberton, E.A., 2017, *Unsung Pioneers of Sequence Stratigraphy; Eliot Blackwelder, Joseph Barrell, Amadeus Grabau, John Rich and Harry Wheeler*. *Stratigraphy*. v. 13, 223–243.
81. Sharma, S., Bhattacharya, J.P., and Richard, B.H., 2017, Source-to-sink sediment budget analysis of the Cretaceous Ferron Sandstone, Utah using the Fulcrum approach, *Journal of Sedimentary Research*. v. 87, p.594-608.
80. Lin, W., and Bhattacharya, J.P., 2017, Estimation of Source-To-Sink Mass Balance by a Fulcrum Approach Using Channel Paleohydrologic Parameters of the Cretaceous Dunvegan Formation, Canada: Implications for exploration. *Journal of Sedimentary Research*, v. 87, p. 97-116.
79. Huang, C., and Bhattacharya, J.P., 2017, Shale Mechanics of Mouth-Bar Point Sourced Growth Faults Within Outcrops of the Cretaceous Ferron Notom Delta, Utah, USA, *Marine and Petroleum Geology*. v. 81, p. 237-251.
78. Pemberton, S.G., Bhattacharya J.P., MacEachern, J.A., and Pemberton, E., 2016, Harry Eugene Wheeler (1907- 1987): A Pioneer of Sequence Stratigraphy, *Stratigraphy*, v. 13, p. 95-110.
77. Wu, C., Bhattacharya, J.P., Lu, J and Ullah, M., 2016, Formation of Point Bars through Rising and Falling Flood Stages: Examples from Cretaceous Ferron Sandstone, Southeastern Utah, U.S.A., *Sedimentology*. v.63, p.1458-1473.
76. Snyder, C.J., Khan, S.D., Wright, D., Bhattacharya, J.P., and Glennie, C., 2016, Thin-bedded Reservoir Analogs in an Ancient Delta Using Terrestrial Laser Scanner

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

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

53. Li, W., and Bhattacharya, J.P., 2011, Architecture and depositional processes of a forced regressive series in the Turonian Ferron "Notom Delta", southern Utah, U.S.A., *Marine and Petroleum Geology*, v. 28, pp. 1517-1529.
52. Li, W., Bhattacharya, J.P., Zhu, Y., Garza, D., and Blankenship, E., 2011, Evaluating Delta Asymmetry using 3D Facies Architecture and Ichnological Analysis, Ferron Notom Delta, Capital Reef Utah, USA, *Sedimentology*, v. 58, p. 478-507.
51. Bhattacharya, J.P., 2011, Practical problems in the application of the sequence stratigraphic method and key surfaces: integrating observations from ancient fluvial-deltaic wedges with Quaternary and modelling studies. *Sedimentology*, v. 58, p. 120-169.
50. Bhattacharya J.P., 2010, Deltas, in: *Facies Models 4*: R.G. Dalrymple and N.P. James (eds). Geological Association of Canada. *Geotext*, v. 6, p. 233-264.
49. Li, W., Bhattacharya, J.P., and Campbell, C., 2010, Temporal Evolution of Fluvial Style Within a Compound Incised Valley, The Ferron Notom Delta, Henry Mountains Region, Utah, *Journal of Sedimentary Research*, v. 80. P. 529-549.
48. O. Catuneanu, J.P. Bhattacharya, M.D. Blum, R.W. Dalrymple, P.G. Eriksson, C.R. Fielding, W.L. Fisher, W.E. Galloway, P. Gianolla, M.R. Gibling, K.A. Giles, J.M. Holbrook, R. Jordan, C.G.St.C. Kendall, B. Macurda, O.J. Martinsen, A.D. Miall, D. Nummedal, H.W. Posamentier, B.R. Pratt, K.W. Shanley, R.J. Steel, A. Strasser and M.E. Tucker, 2010, Sequence stratigraphy: common ground after three decades of development. *First Break*, v. 28, p.21-34.
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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.

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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.
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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.
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Non-refereed, invited abstracts

16. McGarity, H.A., Bhattacharya, J.P., Lamond, R.E., 2014, An Interpretation of the Depositional Environment and Facies of the Eagle Ford Shale from Karnes-Maverick County, Texas. The Houston Geological Society Bulletin, Vol. 56, No. 5. P. 29.
15. Bhattacharya, J.P., 2014, Ancient Backwaters and Baylines: Slope magnitude and its control on facies partitioning in ancient fluvio-deltaic systems. CSPG Luncheon Talk, June 2014.
14. Bhattacharya, J.P., 2008, Applying the 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:

79. Bhattacharya, J.P., 2020, Bioturbation in Deltas, Talk given to Simon Fraser University, October 28th, 2020.
78. Bhattacharya, J.P., 2019, Time-stratigraphy and sediment budgets in deltas, Talk given November 18th, 2019 at Queen's University,
77. Bhattacharya, J.P., 2019, Inner-shelf "mudstones", processes and products and implications for unconventional petroleum. Talk given to Petrochina, Lanzhou, China
76. Bhattacharya, J.P., 2019, Sequence Stratigraphy and Source-to-Sink analysis of Fluvio-Deltaic Systems, application to resource prediction, Petrochina, Lanzhou, China.
75. Bhattacharya, J.P., 2019, New Progress in Fluvio-Deltaic Stratigraphic Analysis, Talk given at 2019 International Symposium on New Progress in Sedimentology Research, May 6, 2019, Lanzhou, China.
74. Bhattacharya, J.P., 2018, Balancing sediment budgets in deep time and the nature of the stratigraphic record, University of Iowa, Seminar, April 28th, 2018.
73. Bhattacharya, J.P., 2018, Balancing sediment budgets in deep time and the nature of the stratigraphic record, Geological Society of Trinidad and Tobago Industry lecture, February 22nd, 2018.
72. Bhattacharya, J.P., 2016, Deep Rivers in Deep Time, Invited talk - University of Houston Seminar Series, October 14th, 2016.
71. Bhattacharya, J.P., 2016, Googling Earth and Ogling planets: Geological Insights from Remote Sensing vs. Traditional Field Geology. Invited Talk - McMaster University Origins Seminar, October 3rd, 2016.
70. Bhattacharya, J.P., 2016, Variation of rivers and their paleo-drainages in Mesozoic foreland basins of North America. Invited talk, Rocky Mountain Section of SEPM, lunch meeting, March 29th, 2016.
69. Bhattacharya, J.P., 2016, Glacio-eustatic versus tectonic origin of high-frequency sequences in the mid-latitude Cretaceous foreland basins of North America. Talk given to the Colorado School of Mines, March 28th, 2016.
68. Bhattacharya, J.P., 2016, Glacio-Eustatic vs. Tectonic Origin of High-Frequency Sequences in the Mid-Latitude Cretaceous Foreland Basins of North America. Invited Talk for the George Klein Endowed Lecture at the University of Kansas, February, 4th, 2016.

67. Bhattacharya, J.P., 2016, Glacio-Eustatic vs. Tectonic Origin of High-Frequency Sequences in the Mid-Latitude Cretaceous Foreland Basins of North America. Invited Talk - University of Texas at El Paso, January 28th, 2016.
66. Bhattacharya, J.P., 2015, Sequence Stratigraphy: History, Theory and Applications, Short Course, given to Pioneer Natural Resources, Dallas, TX, December 2015.
67. Bhattacharya, J.P., 2015, Martian Environments and Sedimentary Geology, Talk Given to Lawrence Park Collegiate High School, Nov. 26th, 2015.
66. Bhattacharya, J.P., 2014, Stratigraphy and Facies Architecture of Delta Systems, Short Course given to CSPG, April 29-May 1st, 2015, Calgary, Alberta.
65. Bhattacharya, 2015, Geology of the Grand Canyon, Given to McMaster Hiking Club, Jan. 28th, 2015.
64. Bhattacharya, J.P. (convenor), 2014, McMaster - UH Quantitative Sedimentology Laboratories 2014 Consortium Meeting. Abstract Volume, University of Houston, 15p.
63. Bhattacharya, J.P., 2014, Sequence Stratigraphy: History, Theory and Applications, Short Course, given to Pioneer Natural Resources, Dallas, TX, December 2014.
62. Bhattacharya, J.P., 2014, Googling Earth and Ogling planets: Transforming geomorphology in earth science, Talk given to UT Mississauga.
61. Bhattacharya, J.P., 2014, Stratigraphy and Facies Architecture of Delta Systems, Short Course given to CSPG, June, 2014.
60. Bhattacharya, 2013, Rivers and Deltas, Short Course given to PDVSA, Nov.18-30th, 2013.
59. Bhattacharya, 2013, Ancient Backwaters and Baylines, Talk given to University of Toronto, October, 15th, 2013
58. Bhattacharya, 2013, Ancient Backwaters and Baylines, Talk given to Houston SIPES, April 18, 2013.
57. Bhattacharya, 2011, Rivers and Deltas, Short Course given to PDVSA, Nov. 21-30th, 2011.
56. Bhattacharya, 2011, Death of a Sequence Boundary, Seminar presented at Texas A & M, Friday Nov. 11th, 2011.
55. Bhattacharya, J.P., 2011, Evaluating outcrop analogs of fluvial-deltaic systems. Given for Shell USA, July 14th and for ExxonMobil Tripod Meeting, Utrecht, Netherlands, August 22-26th, 2011.
54. Bhattacharya, J.P., 2011 Overview and Introduction: Quantitative Sedimentology Laboratory Consortium Meeting, University of Houston, Thursday May 19th, 2011. Entire day of presentations by myself and students.
53. Bhattacharya, J.P., 2011, Death of the Sequence Boundary: Applying Modern Concepts to the Cretaceous Interior Seaway of North America. Talk given to North Texas Geological Society, Wichita Falls, January 13th, 2011.

52. Bhattacharya, J.P., 2011, Facies Architecture of Fluvial-dominated Mouth-Bars, Ferron Sandstone, Utah. Invited Talk given January 5th, 2011, to BP, Houston and to Pioneer Natural Resources (Dallas, TX) and Anadarko (Denver, CO), December, 2010.
51. Bhattacharya, J.P., 2010, Subsurface Energy Studies at UH. Talk given at UH Scholarship & Community Conference, Houston -- the Future of Energy, Friday, April 23rd.
50. Bhattacharya, J.P., 2010, Googling Earth and Ogling planets: Transforming geomorphology in earth science. Invited Keynote Presentation for Elsevier evening reception at AAPG ICE in Calgary.
49. Bhattacharya, J.P., 2010 Overview and Introduction: Quantitative Sedimentology Laboratory Consortium Meeting, University of Houston, Tuesday May 10th, 2010. Entire day of presentations by myself and students.
48. Bhattacharya, J.P., 2009, Rivers and Deltas Short Course, Given January 26-27th, to BP Houston, TX.
47. Bhattacharya, J.P., 2009, Ancient Rivers and Deltas in the Cretaceous Seaway and beyond: Outcrop analogs to the subsurface, talk given to Exxon, BP and Anadarko.
46. Bhattacharya, J.P., 2009, Wheeler's Confusion and the Seismic Revolution, Sipes Conference, January 12th, 2010. Talk also given in Corpus Christi, TX.
45. Bhattacharya, J.P., 2008, Hyperpycnal versus Hypopycnal River Plumes and the Origin of Shelf Mud, Invited talk at University of Indiana at Bloomington, September 21st, 2008.
44. Bhattacharya, J.P., 2008, Sequence Stratigraphy: History, Theory and Applications, ETGS Section Short Course, May 7th, 2008, Tyler, TX
43. Bhattacharya, J.P., 2007, Facies Architecture and Sequence Stratigraphy of Delta Systems, From Exploration to Reservoir Performance, BP Summer 2007 Short Course, Baku, Cairo, and Aberdeen, Short course Notes, 100p.
42. Kumar, N., Beauchamp, W. and Bhattacharya, 2006, Petroleum Geoscience: Basics of petroleum generation, migration, trapping and the oil business (Short Course), May 4th and 5th, 2006, Ellison Miles Geotechnology Institute, Brookhaven College, Farmers Branch, Dallas, Texas.
41. Stratigraphy and Facies Architecture of Fluvial Deposits, Short Course, Southwest Section of AAPG, Abilene, TX, January 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 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

31. Moré, M.P., Schwarz, E., Amorosi, A. and Bhattacharya, J.P. (conveners), 2019, Along-strike variability in modern and ancient coastal and shelfal depositional environments. Session IAS, Rome.
30. Bhattacharya, J.P., Cadena, A.F., and Wilson, R.D. (session chairs), 2019, Advances in Unconventional Reservoir Characterization I: The Rocks, AAPG Annual Convention and Exhibition.
29. Bhattacharya, J.P., Amorosi, A., and Durkin, P., (session chairs), 2018, Sedimentology: sources, sinks, and geologic time, 20th International Sedimentological Congress, Quebec City, PQ, Canada.

28. Wells, M., Ainsworth, B., Bhattacharya, Hampson, G.J., Kostic, B., J.P., Reynolds, A.D., and Steel, R. (convenors), 2015, Sedimentology of Paralic Reservoirs: Recent Advances and their Applications, 18 - 19 May 2015, The Geological Society, Burlington House, Piccadilly, London.
27. Snedden, J., and Bhattacharya, J.P., (Session co-Chairs), 2012, Constructing deltaic depositional systems: integrating field examples, theory, and modeling. GSA Annual Convention, Charlotte, N.C.
26. Bhattacharya, J.P., Dalrymple, R., and Edmonds, D., (Session co-Chairs), 2011, Shallow Marine Systems and Processes: I and II; A tribute to Roger Walker and Gerry Middleton, AAPG/SEPM Annual Convention, April 12-15, 2011.
26. Bhattacharya, J.P., 2010, Theme Chair, AAPG Theme 6: Siliciclastics: Advancing Research to Resource, AAPG 2011 Convention. Managed and processed over 300 abstracts for the convention.
25. NSF Geoprisms workshop (attended), February 14th-16th, San Antonio, TX.
24. UH Future of Energy, University of Houston Scholarship and Community Conference, Friday April 23rd.
23. Bhattacharya, J.P., 2010, Abstracts Volume, University of Houston, Quantitative Sedimentology Laboratories, 2010 Consortium Meeting, Tuesday May 18th, Houston, TX.
23. Bhattacharya, J.P., 2009, Abstracts Volume, University of Houston, Quantitative Sedimentology laboratories 2009 Consortium Meeting, Houston, TX.
21. Bhattacharya, J.P., Giosan, L., Dellapenna, T., and Allison, M.A., (co-chairs), 2008, River-Dominated Continental Margin Processes: Modern and Ancient, 2008 GSA/GCAGS Joint Meeting, Houston, TX.
20. Payenberg, T. and Bhattacharya, J.P. (co-chairs), 2008, Outcrop Analogs in Reservoir Characterization, AAPG Annual meeting, San Antonio, TX.
19. Castagna, J.P., and Bhattacharya, J.P. (convenors), 2007, Advances and Applications of Geophysics in Petroleum Exploration and Production, A conference to celebrate the 85th birthday of Robert E. Sheriff. April 18-19th, 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. 5-8th, 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 9th-12th, 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 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, 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 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 Siliclastic Systems Poster Session. Annual AAPG/SEPM meeting, June 3-6 2001, in Denver, Colorado.
8. Fall 2000, Invited to attend NSF Margins Sedimentology/Stratigraphy workshop to review study sites and develop science plan for the "Source to Sink" research initiative in Reno, Nevada
7. Fall 1999, Invited to attend NSF Margins Sedimentology/Stratigraphy workshop to develop research topics and study sites for the "Source to Sink" research initiative, September 28-October 1, Lake Quinault, Washington.
6. Bhattacharya, J.P., and Willis, B.J., (session chairs) 1999, SEPM Session: Depositional Facies and Surfaces of Falling-Stage Systems Tracts, Session Chair, 1999, AAPG (American Association of Petroleum Geologists) Annual Meeting, San Antonio, Texas.
5. Spring 1999, Represented UTD Geoscience at the AGI (American Geological Institute) Academic - Corporate Associates Conference, February 28 - March 1, 1999, Houston, Texas.
4. Bhattacharya, J.P., and Wood, L.J., (session chairs) 1999, SEPM Session: Seismic Imaging and Modeling of Depositional Systems and Facies, Poster Session Chair, 1999, AAPG (American Association of Petroleum Geologists) Annual Meeting, San Antonio, Texas.
3. Haq, B.U., and Bhattacharya, J.P., (session chairs), 1998, Theme Session C3: Deltas. International Sedimentological Congress, April 12-17, Alicante, Spain.
2. 1994-98 Co-convener, SEPM Research Group on Sequence Stratigraphy

1. 1997 Technical Committee Member, GCSSEPM Research Conference

External Funding for Original Investigations

| Institution | Duration | Amount |
|--------------------------------------|---------------------|--------------------|
| <i>McMaster University</i> | 2013-present | \$1,069,000 |
| <i>University of Houston</i> | 2005-2013 | \$1,736,512 |
| <i>University of Texas at Dallas</i> | 1998-2005 | \$760,000 |
| | Career Total | \$3,555,512 |

Funded Research– McMaster University

Withdrawn due to Covid: 2020-2021 Mitacs Accelerate PDF

P.I. Janok P. Bhattacharya

Partner: Husky and BP

CAN\$55K

2019-2024 NSERC Discovery Grant

P.I. Janok P. Bhattacharya

July 2019 - June 2024

CAN\$180K

2019-2024 Susan Cunningham Research Chair in Geology (endowed funds to McMaster University)

P.I. Janok P. Bhattacharya

September 2019-August 2024

CAN\$75,000

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

P.I. Janok P. Bhattacharya

CAN \$334,000

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

P.I. Janok P. Bhattacharya

September 2013-August 2018

CAN\$75,000

2014-2019 NSERC Discovery Grant

P.I. Janok P. Bhattacharya

July 2014 - June 2019
CAN\$150K

2014-2016 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya
Jan 1 2014 - Dec 31, 2016
Various Private Agencies: BP, Ecopetrol, INPEX (Japan)
US\$245K

Funded Research– University of Houston

2013 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya
Jan 1 2013 - Dec 31, 2013
Various Private Agencies: Anadarko, BP, BHP Billiton, Chevron, Ecopetrol, INPEX (Japan), Pioneer
\$280K

2012 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya
Jan 1 2012 - Dec 31, 2012
Various Private Agencies: Anadarko, BP, BHP Billiton, Ecopetrol, ExxonMobil, INPEX (Japan), Nexen, Pioneer, Shell
\$280K

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

P.I. Janok P. Bhattacharya, co-P.I. Thomas J. Lapen
Jan 1, 2012-Aug 31, 2012
Shell USA - \$54,105

2011: Shell Lidar Campaign, Utah

P.I. Janok P. Bhattacharya, co-P.I. Shuhab Khan and Guoquan Wang
Nov 15, 2011-Mar 15, 2012
Shell USA - \$62,802

2011: Fluvial Sequence Stratigraphy of Floodplains and Paleosols

P.I. Janok P. Bhattacharya
Jan 1, 2012-Nov 30, 2013
ExxonMobil Upstream Research Co. - \$10,000

2011 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan 1 2011 - Dec 31, 2011

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

\$260,000

2010 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan 1 2010 - Dec 31, 2010

Anadarko, BP, Chevron, Nexen, Shell

\$175,000

2009 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan 1 2009 - Dec 31, 2009

Anadarko, BP, Chevron, Shell

\$140,000

2008 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan 1 2008 - Dec 31, 2008

Anadarko, BP, Chevron, Shell

\$167,500

2007 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan 1 2007 - Dec 31, 2007

Anadarko, BP, Chevron

\$105,500

2006 Quantitative Sedimentology Consortium

P.I. Janok P. Bhattacharya

Jan 1 2006 - Dec 31, 2006

Anadarko, BP, Chevron

\$147,500

Funded Research– University of Texas at Dallas

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

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

Facies Architecture of Wave-Influenced Lowstand Deltas

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

Sedimentology Research Consortium

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

Wave Dominated Delta Research/Sedimentology Website Construction

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

Teaching

Since 1998 I have supervised or co-supervised 17 doctoral, 43 MSc, and 21 BSc Thesis students to degree completion. Student names and thesis/dissertation titles are listed below.

Doctoral Students:

University of Texas at Dallas:

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

University of Houston:

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

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

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

10. Yangyang Li, PhD, Fall 2012 (C.C. Reservoirs, Houston),
Dissertation Title: Facies Architectural Study of Incised Valleys, Distributary Channels and Mouth Bars in the Cretaceous Ferron Notom Delta, Southern Central Utah, USA. University of Houston, PhD Dissertation 189p.
11. Oyebode Famubode, PhD, Spring, 2014 (Conoco-Philips, Houston)
Dissertation Title: Paleosol evolution in a fluvial sequence stratigraphic framework, Cretaceous Ferron Notom Delta, South Central Utah, U.S.A. PhD Dissertation, 148p.
12. Mohammed Shahid Ullah, PhD, Summer 2015 (BP, Houston)
Dissertation Title: Fluvial Architecture and Paleohydraulic Analysis of Ancient River Deposits in Plan-View and 2-D Vertical Outcrops of the Turonian Ferro Notom Delta, Utah: From Allogenic Valleys To Autogenic Bars, University of Houston, PhD Dissertation, 209p.
13. Felipe Lozano, Summer 2015,
Dissertation Title: 3D Seismic Geomorphology and Seismic Stratigraphy of Late Quaternary Shelf and Shelf -Margin Depositional Systems, Northern Gulf Of Mexico, University of Houston, PhD Dissertation, 159p.
14. Kivanc Biber, May 2017.
Dissertation Title: Geologically-and Structurally-Based Characterization of Reservoir Analogs Using Lidar-Derived Quantitative Data. University of Houston, PhD Dissertation, 170p. co-supervised with Shuhab Khan (UH).
15. Prama Bhattacharyya, June 2018.
Dissertation Title: Plan-view and subsurface architectural study of ancient fluvial deposits and modern coasts, 94p. co-supervised with Shuhab Khan (UH).

McMaster University:

16. Wen Lin, December 2018:
Thesis Title: High-resolution sequence stratigraphy, facies analysis, and sediment quantification of the Cretaceous Gallup system, New Mexico, U.S.A., 241p.
17. David Kynaston, October, 2019:
Thesis Title: Stratigraphy, Provenance, Timing and Control of Incised Valleys in the Ferron Sandstone, 207p.

Ph.D. Candidates:

18. Sandeep Sharma:
Thesis Topic: High Resolution Sequence Stratigraphy and Facies Architecture analysis of the Cretaceous Gallup Sandstone, New Mexico, USA
19. Nick Randazzo (co-supervised with Sang-Tae Kim):

- Thesis Topic: Chemostratigraphy and chronometry of bentonitic mudstones, Mancos Shale Formation, New Mexico, USA
20. Jeremy Gabriel (co-supervised with Ed Reinhardt):
Thesis Topic: Thesis Topic: Sedimentary Processes and chemostratigraphy of Prodelta and Shelf Mudstones, Mancos Shale Formation, New Mexico:
21. Tuoyu Wu:
Thesis Topic: Sequence Stratigraphy of the Gallup Sandstone, San Juan Basin, New Mexico, USA.
22. Sunny Ezeh:
Thesis Topic: Bioturbation and reservoir characterization

Masters Students:

University of Texas at Dallas:

1. Russell Scott Garrick, M.S., Spring 1999
Thesis Title: Petrography and tectonic provenance analysis of the Latest Cretaceous to early Tertiary Difunta Group Sandstones, Delgado syncline, Parras-La Popa basins, Northeast, Mexico, 106p.
2. Michael M. Adams, M.S., Spring 2001
Thesis Title: Braided rivers of the Cretaceous Blackhawk Formation, Utah: Implications for sequence stratigraphy of non-marine depositional systems, M.Sc. Thesis, 76p.
3. Cornel Olariu, M.S., Summer 2002. (Research Scientist, UT Austin)
Thesis Title: Study of Cretaceous delta front deposits, integrating outcrop, GPR and 3D photorealistic data, Panther Tongue sandstone, Utah. M.Sc. Thesis, 66p.
4. Karen Droste McGowen (nee McLinjoy), M.S. Fall 2003.
Thesis Title: Listric, Normal Faults in a Pennsylvanian Delta Front of the Mingus Formation, Bennett, Texas, M.Sc. Thesis 50p.
5. Stephanie Nyman, M.S. Spring, 2004.
Thesis Title: Provenance and Diagenesis of the Cretaceous Wall Creek sandstone, Frontier Formation, Western Flanks of the Powder River Basin, Wyoming, M.Sc. Thesis, 107p.
6. Annie Covault, M.S. Fall 2006
Thesis Title: Structural Architecture and deformation of the Salina Creek Tunnel Normal Fault Zone, Central Utah, USA.

University of Houston:

7. Morenike O. Coker, M.S. 2006 (*co-supervised with K. Marfurt*)
Thesis Title: Aquitanian (Lower Miocene) Depositional Systems: Vinton

- Dome, Onshore, Gulf of Mexico, Southwest Louisiana, 126p.
8. Jamie Lawrence. M.S., 2007
Thesis Title: Depositional Environments of the Upper Almond Formation in the Great Divide and Washakie basins, South –Central Wyoming, 103p.
 9. Eldar Baghirov, M.S. 2007. (*co-supervised with Don Van Nieuwenhuise*).
Thesis Title: Vertical and Lateral Distribution and Continuity of Balakhany VIII Formation of Azeri Field, Offshore Azerbaijan, 80 p.
 10. Hernan M., Reijenstein, M.S. 2008
Thesis Title: Seismic Geomorphology and High-Resolution Seismic Stratigraphy of Inner Shelf Fluvial, Deltaic, and Marine Sequences, Gulf of Thailand, UH MS Thesis, 53p.
 11. Gregoriy Perov, M.S., 2009
Thesis Title: Pleistocene Shelf-Margin Delta: Intradeltaic Deformation and Sediment Bypass, Northern Gulf of Mexico, UH MS Thesis, 49p.
 12. Jared Hammett, M.S., 2009
Thesis Title: Storm-Dominated Micro-Tidal Barrier Island Depositional Systems within the Cotton Valley, Taylor Sandstone, in East Texas. University of Houston, MS Thesis, 114p.
 13. Derek Rice, M.S., 2009 (*co-supervised with J. Wellner*)
Thesis Title: Major Changes Over Minor Distances: An Offshore Micro-Stratigraphic Study of a Modern Asymmetric Wave-Influenced Delta The Brazos Delta, Texas Gulf Coast USA, University of Houston, MS Thesis, 146p.
 14. Ryan Krueger, M.S., 2010
Thesis Title: Strike variability within a wave-influenced delta, the Gallup Sandstone, Shiprock, New Mexico. University of Houston, MS Thesis, 116p.
 15. Daniel Garza, M.S., 2010
Thesis Title: 3- D Facies Architecture and Mouth Bar Development of a Flood-, Storm-dominated Delta: Cretaceous Ferron Sandstone, Utah. University of Houston, MS Thesis, 68p.
 16. Patricia Lee, M.S., 2010
Thesis Title: A comparison of the geometries of two Pleistocene shelf-margin delta sequences, Vermilion South Addition and Northeast Garden Banks, Gulf of Mexico. University of Houston, UH MS Thesis, 70p.
 17. Milly Wright, M.S., 2010
Project Title: Facies differentiation in fine grained sediments using inorganic whole-rock elemental data within the Ferron Sandstone Member, Notom delta complex, south-central Utah. University of Houston, unpublished MS Capstone Project, 30p.
 18. Leigh Owens, M.S., 2011

- Thesis Title: Eustatic Controls of Deformed vs. Undeformed Shelf Edge Deltas Within Salt-Withdrawal Minibasin, Northern Gulf of Mexico, UH MS Thesis, 60p.
19. Michael LoParco M.S., 2011
Thesis Title: Application of the Asymmetric Wave-influenced delta model to the Cretaceous Gallup Sandstone in Shiprock, New Mexico. UH MS Thesis, 68p.
20. Sumiyah Ahmed M.S., 2011
Thesis Title: Construction of an Inertia- to Friction-Influenced Delta Front, Turonian Ferron Sandstone, Utah. UH MS Thesis, 66p.
21. Eric Blankenship M.S. 2011.
Thesis Title: Sedimentology and structure of gravitationally collapsed flood-dominated mouth-bars in the Cretaceous Notom Delta, Ferron Sandstone Member, Utah, U.S.A.
22. Darsel Seepersad, M.S. Spring, 2012
Thesis Title: Thin-bedded Facies Analysis of a Ferron Storm-dominated Delta Front and Prodelta: Cretaceous Ferron Sandstone, Utah, UH MS Thesis, 113p.
23. Lucia Torrado, (co-supervised with Dr. P. Mann) M.S. Fall, 2012.
Thesis Title: Non-Marine, Late Eocene-Oligocene Sequence Stratigraphy And Changing Fluvial Style In The Northern Llanos Foreland Basin Of Colombia, UH MS Thesis, 84p.
24. Omar Montes, M.S. 2013
Thesis Title: Quantitative Comparison of Channel-Belt Dimensions, Internal Architecture and Characteristics of Two Fluvial Systems in Sequence 1, Ferron Notom Delta, South-Central Utah, U.S.A. UH MS Thesis, 66p.
25. Benjamin Hilton, M.S. 2013
Thesis Title: 3D Allostratigraphic Mapping and Facies Heterogeneity of a Compound, Tributary Incised Valley System, Turonian Ferron Sandstone, Notom Delta, South-Central Utah. UH MS Thesis, 100p.
26. Heather McGarity, M.S. 2013
Thesis Title: Facies and Stratigraphic Framework of the Eagle Ford Shale in South Texas, UH MS Thesis, 105p.
27. Dan Beuchmann (co-supervised with T. Lapen), M.S. 2013
Thesis Title: Provenance, Detrital Zircon U-Pb Geochronology, and Tectonic Significance of Middle Cretaceous Sandstones from the Alberta Foreland Basin. UH MS Thesis, 96p.
28. Danfix D'Souza, M.S. Spring, 2013
Thesis Title: Facies architecture and control on Channel-Belt Geometry;

- Cretaceous Ferron Notom Delta, Utah U.S.A., UH Thesis, 88p.
29. Cameron Griffin, M.S., 2013
Thesis Title: Facies Architecture, Paleo-hydraulics and Fluvial Style of a Falling Stage Terrace deposit within a Compound Valley System, Ferron Notom Delta, Utah, UH MS Thesis
 30. Christopher Campbell, May 2013
Thesis Title: Valley Widening and the Composite Nature of Valley Margin Sequence Boundaries: Evidence from the Neilson Wash Compound Valley Fill, Cretaceous Ferron Sandstone, Utah, UH MS Thesis, 108p.
 31. Petter Dischington, May 2013
Thesis Title: Likely Counter Point Bars in Coarse-grained Meandering Fluvial Deposits in the Brushy Basin Member of the Jurassic Morrison Formation, UH MS Thesis, 51p.
 32. Jianqiao Wang, May 2013
Thesis Title: Plan-View Paleochannel Reconstruction and Paleocurrent Fields of Meanderbelts, Cretaceous Ferron Sandstone, Henry Mountains Region, Utah, UH MS Thesis, 67p.
 33. Chenliang Wu, May 2013
Thesis Title: Heterogeneity, Paleohydrology, and 3D Facies Architecture of Ancient Point Bars, Ferron Sandstone, Notom Delta, South-Central Utah, UH MS Thesis, 69p.
 34. Benjamin Richards, August 2014
Thesis Title: Fluvial to marine facies succession in a compound incised valley system in the Ferron-Notom delta, Utah, UH MS Thesis, 60.
 35. Zhiyang Li (PhD Candidate, Indiana State), September 2014
Thesis Title: Evaluating along-strike variation using thin-bedded facies analysis, Upper Cretaceous Ferron Notom delta, Utah, UH MS Thesis, 93p.
 36. Casey Snyder, (co-supervised with Shuhab Khan, UH), November, 2015.
Thesis Title: Thin-bedded reservoir analogs in ancient delta using high-resolution, ground-based remote sensing technologies, Cretaceous Notom delta, Utah, UH MS Thesis, 86p.
 37. Benjamin Browning, (co-supervised with Joel Saylor, UH), April 2017
Thesis Title: High Resolution Facies & Architectural Analysis of a Tributive, Basal Terrace of a Ferron Compound Incised Valley, UH MS Thesis.

McMaster University:

38. Stephanie Kimmerle, April, 2016

- Thesis Title: Facies Analysis and Paleodischarge of Rivers Within a Compound Incised Valley, Cretaceous Ferron Sandstone, Utah, McMaster MS Thesis, 111p.
39. Logan Jung-Ritchie, September, 2017
Thesis Title: Measuring the Ratio of Storm-Deposited Gutter Casts, Upper Cretaceous Gallup Sandstone, New Mexico, USA, McMaster MS Thesis, 102p.
40. Cristina Genovese, September, 2017
Thesis Title: Detailed Thin-Bedded Facies Analysis of Mancos C in the Upper Mancos Shale, New Mexico, McMaster MS Thesis 65p.
41. Matthew Leung, September, 2018
Thesis Title: Detailed thin-bedded facies analysis of the Upper Mancos Shale, New Mexico, 132p.
42. Monica Wiercigroch, September, 2018
Thesis Title: High-Resolution Facies Analysis and Regional Correlation of the Upper Cretaceous Juana Lopez Member of the Mancos Shale, New Mexico, 82p.
43. Curtis Ferron, October, 2019
Thesis Title: Detrital Zircon Signal Inversion in the Cretaceous Southwestern U.S. Interior Seaway – A Case Study from the Gallup System, New Mexico, 60p.

MSc Candidates:

44. Rachel Nelson:
Thesis Topic: Biostratigraphy of the Mancos Shale and Gallup Formation, San Juan Basin New Mexico

Undergraduate Student Theses:

McMaster:

1. Kynaston, David (PhD Candidate, McMaster University), April 2014, Facies Architecture Of A Tidal Influenced Channel In Cretaceous Ferron Sandstone, Central Utah, BSc Thesis, 34p.
2. Martin, Harrison (MSc Candidate, University of Calgary), April 2015, Scaling relationships of rib-and-furrow structures in modern and ancient dunes and bars in rivers, BSc Thesis, 41p.
3. Genovese, Cristina, (MSc Candidate, McMaster University), April 2015, Thin Bed and Sandstone Dike Architecture of Cretaceous Ferron Prodelta Shales, Utah, BSc Thesis, 71p.
4. Hamden, Atef, (MSc University of Alberta), April 2015., Facies Analysis of Glacio-Lacustrine Hyperpycnites of Southern Ontario, 30p.

5. Huang, Chuqiao, April 2015 (MSc Candidate, Simon Fraser University), Shale Mechanics of Growth Faults Containing Planar Bedding Within the Cretaceous Ferron Notom Delta of Utah, USA, 59p.
6. Wiercigroch, Monica, April, 2016 (MSc Candidate, McMaster University), High-Frequency Stratigraphic Cyclicity Analysis of the Upper Cretaceous Juana Lopez Member of the Mancos Shale, New Mexico, 70p.
7. Cyples, Natasha, April 2016 (MSc Candidate, Laurentian University), Facies Architecture of Shallow Marine Deltaic Sediments and Associated Channels in a Storm-Dominated Environment, Turonian Ferron Sandstone, Utah, 62p.
8. Leung, Matthew, April, 2016 (MSc Candidate, McMaster University), Thin-Bedded Facies Analysis of Fine-Grained Parasequences: Cenomanian-Turonian Tununk Shale Member, Henry Mountain Region, Utah. 91p.
9. Waller, Zachary, April, 2016, Thin Bed Architecture of Cretaceous Gallup Prodelta Shales, New Mexico. 56p.
10. Karner, Sean, April 2017, Facies Architecture of Shallow Marine and Non-Marine Deltaic Deposits in Parasequence Set 3 and 5 of the Gallup Sandstone Formation, New Mexico, McMaster University BSc Thesis, 51p.
11. Ferron, Curtis, March 2017 (MSc Candidate, McMaster University), Facies Architecture of an Ancient Distributary Channel, Cretaceous Gallup Sandstone, New Mexico, McMaster University BSc Thesis, 46p.
12. Dosen, Kristin, March 2017 (Law School, University of Western Ontario) Mud Distribution in the Cretaceous Western Interior Seaway: A Thin Bedded Facies Analysis of the Upper Mancos Shale, New Mexico. McMaster University BSc Thesis 73p.
13. McAndrews, Madison April 2017, Analysis of Depositional Processes and Stratigraphic Cycles in the Cretaceous Juana Lopez Member of the Mancos Shale, San Juan Basin, New Mexico, McMaster University BSc Thesis 59p.
14. Stockford, Andrew, April, 2018, Cretaceous Gallup Sandstone Formation in Window Rock, Arizona, McMaster University, B.Sc. Thesis, 49p.
15. Nelson, Rachel, 2018, High Resolution Analysis of the Depositional Processes and Environment of the Juana Lopez Member of the Mancos Shale, Ship Rock, New Mexico, , McMaster University, B.Sc. Thesis, 60p.
16. Davidson, Mitchell, 2018, Lateral Continuity and Thinning Ratios, an Analysis of Thin Beds within a Storm Dominated Prodelta: Cretaceous Ferron Sandstone, Utah, McMaster University B.Sc. Thesis, 58p.
17. Chang, Xueke, April, 2019, Description and Analysis of the Thin-bedded Facies and Depositional Mechanisms of the Mancos Shale, Uinta Basin, U. S. A., McMaster University B.Sc. Thesis, 42p.

18. Cui, Ziyang, April, 2019, High Resolution Analysis of Unit Bar and Dune Accretion Patterns of The Ferron Sandstone Member of The Mancos Shale, Utah, McMaster University B.Sc. Thesis, 51p.
19. Hemon, Gregor, April, 2019, Analysing the Lateral Continuity and Amalgamation of Thin Beds Within Parasequence 4: a Storm Dominated Prodelta in the Cretaceous Ferron Sandstone, BSc Thesis 33p.
20. Rajveer Ubhi, April, 2019, Facies Architecture and initiation of Growth Faults in a delta front sandstone, Cretaceous Ferron, Notom Delta, Utah, BSc Thesis, 33p.
21. Tanisha Sharma, April, 2019, Facies Architectural and Paleohydraulic Analysis of the Fluvial Torrivio Sandstone, Gallup, New Mexico, BSc Thesis, 21p.
22. Jesse Brown, 2020, Exploring the applicability of the asymmetric-delta model to the Dakota Sandstone of west-central New Mexico, BSc Thesis, 63p.
23. Katrina Fries, 2020, High Resolution Biostratigraphy of the Juana Lopez Member of the Mancos Shale Formation and the Gallup Sandstone Formation, New Mexico, BSc Thesis 96p.
24. Ryan Norris, 2020, High resolution investigation of lateral continuity and depositional processes in the Juana Lopez Member of the Mancos Shale, New Mexico. BSc Thesis, 63p.
25. Brayden Ralph, 2020, High Resolution Sequence Stratigraphy Fluvial Aggradational Cycles in the Late Cretaceous Dilco Member of the Crevasse Canyon Formation, Seboyeta, New Mexico, BSc Thesis, 76p
26. Angie Abi Douad, Description and Analysis of Facies on the Waipaoa Continental, Margin, New Zealand
27. MacKenzie Mailhot, Sediment Dispersal, Accumulation, and Reworking – An Analysis of the Marine Subaqueous Delta Clinoform Sediment Dispersal System in the Gulf of Papua, Papua New Guinea
28. Ignacio De Ysasi Cabrera, The Mississippi-Atchafalaya River System: trends in event recording and detailed stratigraphic core descriptions

BSc Candidates:

University of Texas at Dallas Students on whose committees I have served:

Adriansyah (PhD), Abuduwali Aibaidula (MSc), Weihing Fei (PhD), Jeanne Holloway (PhD), Shaouoming Lu (PhD), Salah Mahmoud (PhD), Wilmer Masterson (PhD), Dragana Nebragic (PhD), Iulia Olariu (PhD), Tai Chyi Shei (PhD), Katherine Rouch-Smith (PhD), Pamela Buzas-Stevens (PhD), John Thurmond (PhD), Deming Wang (MSc), Xueming Xue (PhD),

University of Houston Students on whose committees I have served:

Ekaterina Akhmetzhanova (MSc), Oyetao Akintokunbo (MSc), Don Barker (PhD), Kivanc Biber (PhD), Robert Blanchard (MSc), Jason Duke (MSc), Chris Ennen (MSc), Ralph Eseo (MSc), Allegra Giblin (MSc), Jesus Gomez (MSc), Kevin Hall (MSc), Charles Inyang (MSc), Sean Lewis (MSc), Austin Luker (MSc), John McKay (MSc), Krista Mondelli (MSc), Ugo Odumah (MSc), Virginia Alonso de Linaje (MSc), Unal Oknay (PhD), Jesse Owens (MSc), Jeremy Provost (MSc), Jessica Quintanar (MSc), Scott Rubio (MSc), Barry Shaulis (PhD), Katherine Sposato (MSc), Pongthep Thongsang, (MSc), Steven Wright (MSc), Katherine Zogheib (MSc)

McMaster University Students on whose committees I have served:

Mary Amour (PhD) committee member
Majed Turkistani (PhD) committee member
Rebecca Lee - PhD examination committee member
Kelley Martin - PhD examination committee member
Waad Khogali-Ali - PhD examination committee member
Wasan Nagib - PhD examination committee member
Olivier Champagne - PhD examination committee member
Wei Lu – MSc Thesis defence chair
Samantha Feist – MSc Thesis defence chair

External Examiner

Peter Deveugle – PhD Imperial College (2009)
Duncan McKay – PhD Queens University (2014)
Katie Maloney – MSc UT Mississauga (2016)
Katie Maloney – MSc University of Toronto (2017)
Omar Al-Mufti – PhD University of Western Ontario (2018)
Helene van der Vegt – PhD Delft University of Technology (2018)
Robert Meek – MSc Laurentian University (2020)
Olga Akindinova – PhD Memorial Univ. of Newfoundland (2020)
Ekos Kalman – PhD, University of Haifa (2021)

Courses

McMaster:

Undergraduate

EaSci 4J03: Basin Analysis and Petroleum Systems (*lecture/lab*)
EaSci 3E03: Clastic Sedimentary Environments (*lecture/lab*)
EaSci 2E03: Earth History (*lecture/lab*)

Graduate

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

UH:

Undergraduate

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

Graduate

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

UTD:

Undergraduate

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

Graduate

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

Service Activities

External Service:

| | |
|--|-----------------|
| External Reviewer, Dept. of Earth Science , Brock University | 2020 |
| External Reviewer, Earth and Environmental Science Program, University of Waterloo | 2019 |
| External Reviewer Department of Earth and Atmospheric Sciences, Indiana University. | 2018 |
| Co-Chair: AAPG Distinguished Lecturer Committee | 2017-2019 |
| Chair: SEPM Nomination Committee | 2018 |
| SEPM President-elect and President | 2014-2016 |
| SEPM Sedimentology Councilor | 2011-2013 |
| AAPG Annual Convention SEPM Theme Chair | 2010-2011 |
| GSA L.L. Sloss Award Committee | 2009-2014 |
| External Ph.D, Examiner, Imperial College, London | 2009 |
| AAPG Education Committee co-Chair | 2008-2011 |
| AAPG Distinguished Lecturer Committee | 2007-2016 |
| President-elect/President/Past -president GCSSEPM | 2007-2009 |
| SEPM Vice Chair for AAPG/SEPM 2008 Annual Meeting | 2006-2008 |
| Associate Editor – AAPG Bulletin | 2005-2017 |
| Assistant Editor (<i>Special Issue</i>) - Interpretation | 2014 |
| Associate Editor – Journal of Sedimentary Research | 2002-present |
| Technical program Chair for AAPG 2004 Annual Meeting | 2002-2004 |
| Field Trip Chair for AAPG/SEPM 1999 Annual Meeting | 1998-1999 |
| Panelist – NSF-OCE Division | 2002-2004, 2009 |
| Journal Reviews – AAPG Bulletin, Basin Research, CSPG Bulletin, The Depositional Record, Earth and Planetary Science Letters, Earth Sciences Research Journal, Earth-Science Reviews, Frontiers in Earth Science, Geology, Geomorphology, Geosphere, Geophysics, Geophysical Research Letters, Geomorphology, GSA Bulletin, International Geology Reviews, Interpretation, Journal of Asian Earth Sciences, Journal of South American Earth Sciences, Journal of Geophysical Research-Earth Surface, Journal of Sedimentary Research, Marine and Petroleum Geology, Nature, Petroleum Geoscience, Physical Geography, Quaternary Research, Science, Sedimentary Geology, Sedimentology, Stratigraphy and Time Scales, Terra Nova | |
| Panel reviews - National Science Foundation, American Chemical Society – Petroleum Research Fund, Natural Sciences and Engineering Research Council of Canada (NSERC). | |

McMaster Service:

| | |
|---|--------------|
| Faculty Representative, AAPG Student Chapter | 2014-2020 |
| Committee Member, Faculty of Science Budget Committee | 2018-19 |
| Associate Director SGES (Graduate Students) | 2018-19 |
| Acting Director SGES | 2017-18 |
| Associate Director SGES (Graduate Students) | 2016-17 |
| AAPG Student Chapter Faculty Representative | 2014-present |
| Presenter in McMaster New Faculty Workshop | 2014 |
| Acting Associate Director (Graduate Students) | 2014-15 |

UH Service:

| | |
|--|-----------|
| Associate Chair and Chairman EAS | 2012-13 |
| University Coordinating Committee (Faculty Senate) | 2012 |
| UH Farfel Award Committee | 2011-2012 |
| Chair UH Research and Scholarship Council | 2011-2012 |
| NSM Space Committee | 2011 |
| AAPG Student Chapter Representative | 2009-2011 |
| NSM Policy Committee | 2010-2012 |
| UH Scholarship and Community Conference Committee | 2010 |
| UH Subsurface Energy Advisory Committee | 2010 |
| UH Subsurface Energy Workforce and Education Committee | 2010 |
| UH Research Council | 2007-2011 |
| EAS Personnel Committee | 2006-2011 |
| EAS Faculty Search Committees | various |
| EAS Graduate Comprehensive Qualifying Exam | 2006 |
| EAS Graduate Entrance Exam Committee | 2006 |

UTD Service:

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