

BRUCE AINSWORTH PUBLICATIONS - JULY 2013

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EXTERNAL PUBLICATIONS

PEER REVIEWED PUBLICATIONS

In Press

Massey, T.A., Fernie, A.J., **Ainsworth, R.B.**, Nanson, R.A. and Vakarelov, B.K. *In press*. Detailed Mapping, 3D Modeling and Upscaling of a Mixed-Influence Delta System, Mitchell River Delta, Gulf of Carpentaria, Australia. In: Martinus, A.W., Good, T. and Howell, J.A. (eds.) *Sediment-Body Geometry and Heterogeneity: Analogue Studies for Modelling the Subsurface*. Geological Society of London, Special Publication No. 387.

2013

- Nanson, R.A., Vakarelov, B. K., **Ainsworth, R. B.**, Williams, F.M., and Price, D.M. 2013. Evolution of a Holocene, mixed-process, forced regressive shoreline: The Mitchell river delta, Queensland, Australia. *Marine Geology*, v. 339, p. 22-43.
- Vakarelov, B. K. and **Ainsworth, R. B.** 2013. A hierarchical approach to architectural classification in marginal marine systems – bridging the gap between sedimentology and sequence stratigraphy. *AAPG Bulletin*, v. 97, p. 1121-1161.

2012

- Ainsworth, R.B.**, Hasiotis, S.T., Amos, K.J., Krapf, C.B.E., Payenberg, T.H.D., Vakarelov, B.K., Sandstrom, M.L. and Lang, S.C. 2012. Tidal signatures in an intracratonic playa lake. *Geology*, v. 40, p.607-610.
- Vakarelov, B.K. and **Ainsworth, R.B.**, 2012. Predicting Marginal Marine Reservoir Architecture: Examples from Asian Shoreline Systems. Conference Proceedings of the International Petroleum Technology Conference, Bangkok, Thailand.
- Vakarelov, B.K., **Ainsworth, R.B.** and MacEachern, J.A. 2012. Recognition of wave-dominated, tide-influenced shoreline systems in the rock record: Variations from a microtidal model. *Sedimentary Geology*, v. 279, p.23-41.
- Nanson, R.A., **Ainsworth, R.B.**, Vakarelov, B.K., Fernie A. and Massey, T. 2012. Geometric attributes of reservoir elements in a modern low accommodation tide-dominated delta. *APPEA Journal* 2012, p. 483-492.
- Bourget, J., **Ainsworth, R.B.**, Backe, G.B. and Keep, M. 2012. Tectonic evolution of the northern Bonaparte Basin: Impact on continental shelf architecture and sediment distribution during the Pleistocene. *Australian Journal of Earth Sciences*, v.59, p.877-897.
- Longhitano, S.G., Mellere, D. and **Ainsworth, R.B.** (Guest Eds.) 2012. Modern and Ancient Tidal Depositional Systems: Perspectives, Models and Signatures. *Sedimentary Geology*, v. 279, 186p.
- Longhitano, S.G., Mellere, D., Steel, R.J. and **Ainsworth, R.B.** 2012. Tidal Depositional systems in the Rock Record: a Review and New Insights. *Sedimentary Geology*, v. 279, p.2-22.

2011

- Ainsworth, R.B.**, Vakarelov, B.K. and Nanson, R.A. 2011. Dynamic Spatial and Temporal Prediction of Changes in Depositional Processes on Clastic Shorelines: Toward Improved Subsurface Uncertainty Reduction and Management. *American Association of Petroleum Geologists Bulletin*, v. 95, p. 267-297.

2010

- Ainsworth, R.B.** 2010. Prediction of stratigraphic compartmentalization in marginal marine reservoirs. In: Jolley, S.J, Fisher, Q.J., Ainsworth, R.B., Vrolijk, P. and Delisle, S. (eds.), *Reservoir Compartmentalization*. Geological Society of London Special Publication No. 347, p. 199-218.
- Jolley, S.J, Fisher, Q.J., **Ainsworth, R.B.** 2010. Reservoir Compartmentalization: an introduction. In: Jolley, S.J, Fisher, Q.J., Ainsworth, R.B., Vrolijk, P. and Delisle, S. (eds.), *Reservoir Compartmentalization*. Geological Society of London Special Publication No. 347, p. 1-8.
- Jolley, S.J, Fisher, Q.J., **Ainsworth, R.B.**, Vrolijk, P. and Delisle, S. (eds.). 2010. *Reservoir Compartmentalization*. Geological Society of London Special Publication No. 347.

2008

- Ainsworth, R.B.**, Flint, S.S. and Howell, J.A. 2008. Predicting Coastal Depositional Style: Influence of Basin Morphology and Accommodation to Sediment Supply Ratio within a Sequence Stratigraphic Framework. In: Hampson, G.J., Steel, R., Burgess, P.B. & Dalrymple, R.W. (eds.) *Recent Advances in Models of Siliciclastic Shallow-marine Stratigraphy*. Society of Economic Paleontologists and Mineralogists, Special Publication No. 90, p. 237-263.

2007

- Pattison, S.A.J., **Ainsworth, R.B.**, and Hoffman, T.A. 2007. Evidence of across-shelf transport of fine-grained sediments: turbidite-filled shelf channels in the Campanian Aberdeen Member, Green River Embayment, Book Cliffs, Utah, USA. *Sedimentology*, v. 54, p. 1033-1064.

2006

- Ainsworth, R.B.** 2006. Sequence Stratigraphic-based Analysis of Reservoir Connectivity: Influence of Sealing Faults – A Case Study from a Marginal Marine Depositional Setting. *Petroleum Geoscience*, v. 12, p. 127-141.

2005

- Ainsworth, R.B.** 2005. Sequence Stratigraphic-based Analysis of Reservoir Connectivity: Influence of Depositional Architecture – A Case Study from a Marginal Marine Depositional Setting. *Petroleum Geoscience*, v.11, p. 257-276.

2003

- Seggie, R.J., **Ainsworth, R.B.**, Johnson, D.A., Koninx, J.P.M., Marshall, N.G., Murray, A.M., Phillips, S.E., Spaargaren, B. and Stephenson, P.M. 2003. Sunrise-Troubadour Gas-Condensate Fields, Timor Sea, Australasia. In: Halbouty, M.T. (ed.). *Giant Oil and Gas Fields of the Decade*. American Association of Petroleum Geologists Memoir No. 78, p. 189-209.

2000

- Ainsworth, R.B.**, Bosscher, H. and Newall, M.J. 2000. Forward stratigraphic modelling of forced regressions: Evidence for the genesis of attached and detached lowstand systems. In: Hunt, D. and Gawthorpe, R.L.G. (eds.). *Sedimentary Responses to Forced Regressions*. The Geological Society, London, Special Publication No. 172, p. 163-176.
- Seggie, R.J., **Ainsworth, R.B.**, Johnson, D.A., Koninx, J.P.M., Spaargaren, B. and Stephenson, P.M. 2000. Awakening of a Sleeping Giant. Sunrise-Troubadour Gas Condensate Field. *Australian Petroleum Production & Exploration Association Journal*, v. 40 (1), p. 417-436.

1999

Ainsworth, R.B., Sanlung, M. and Duivenvoorden, S.T.C. 1999. Correlation Techniques, Perforation Strategies and Recovery Factors. An Integrated 3-D Reservoir Modeling Study, Sirikit Field, Thailand. *American Association of Petroleum Geologists Bulletin*, v. 83/10, p. 1535-1551.

1994

Ainsworth, R.B. 1994. Marginal marine sedimentology and high resolution sequence analysis; Bearpaw - Horseshoe Canyon transition, Drumheller, Alberta. *Bulletin of Canadian Petroleum Geology*, v. 42, p. 26-54.

Ainsworth, R.B. and Crowley, S.F. 1994. Wave dominated nearshore sedimentation and 'forced regression': Post-Abandonment facies, Great Limestone Cyclothem, Stainmore, UK. *Journal of the Geological Society, London*, v. 151, p. 681-695.

Ainsworth, R.B. and Pattison, S.A.J. 1994. Where have all the lowstands gone? Evidence for attached lowstand systems tracts in the Western Interior of North America. *Geology*, v. 22, p. 415-18.

Ainsworth, R.B. and Walker, R.G. 1994. Control of estuarine valley-fill deposition by fluctuations of relative sea level; Cretaceous Bearpaw - Horseshoe Canyon transition, Drumheller, Alberta, Canada. In: *Dalrymple, R.G., Boyd, R. and Zaitlin, B.A. (eds.). Incised-Valley Systems: Origin and Sedimentary Sequences*. Society of Economic Paleontologists and Mineralogists, Special Publication No. 51, p. 159-74.

1993

Smith, R.D.A. and **Ainsworth, R.B.** 1993. Discussion on an iridium anomaly in the Ludlow Bone Bed from the Upper Silurian, England. *Geological Magazine*, v. 130, p. 855-56.

1991

Ainsworth, R.B. 1991. Discussion on palynofacies in a Late Silurian regressive sequence in the Welsh Borderland and Wales. *Journal of the Geological Society, London*, v. 148, p. 781-84.

1989

Smith, R.D.A. and **Ainsworth, R.B.** 1989. Hummocky cross-stratification in the Downton of the Welsh Borderland. *Journal of the Geological Society, London*, v. 146, p. 897-900.

UNREVIEWED PUBLICATIONS AND THESES

2006

Seggie, R.J., Lang, S.C, **Ainsworth, R.B.**, Alsop, D. and Burns, F.J. 2006. Core workshop – Giant Gas Fields of the North West Shelf, Australia. *AAPG Core Workshop Notes*. AAPG International Conference, Perth, 9-10 November, 2006.

2003

Ainsworth, R.B. 2003. Sequence Stratigraphic-based Analysis of Depositional Connectivity using 3-D Reservoir Modelling Techniques. *Unpublished PhD thesis, University of Liverpool, UK*, 310 pp.

2000

Ainsworth, R.B., Stephenson, P.M., Johnson, D.A. and Seggie, R.J. 2000. Predicting Connected Hydrocarbon Volume Uncertainty Ranges: From Static Fault Model to Dynamic Simulator. Paper presented at *SPE Asia Pacific Oil and Gas Conference*, Brisbane, Australia, SPE 64429.

Seggie, R.J., **Ainsworth, R.B.**, Ardito, P., Burns, F., Johnson, D.A., Koninx, J.P.M., Stephenson, P.M., and Thompson, J. 2000. Capturing depositional uncertainty: Sunrise-Troubadour Giant Gas-Condensate Fields. Paper presented at *SPE Asia Pacific Conference on Integrated Modelling for Asset Management*, Yokohama, Japan, SPE 59406.

Stephenson, P.M., **Ainsworth, R.B.**, Johnson, D.A., and Koninx, J.P.M. 2000. Identifying, Evaluating and Modelling Key Dynamic Parameters: Sunrise-Troubadour Gas-Condensate Fields. Paper presented at *SPE Asia Pacific Oil and Gas Conference*, Brisbane, Australia, SPE 64483.

1998

Ainsworth, R.B. and Sankosik, H. 1998. 3-D Reservoir Modelling of the Sirikit West Field, Phitsanulok Basin, Thailand. Paper presented at *SPE Asia Pacific Conference on Integrated Modelling for Asset Management*, Kuala Lumpur, Malaysia, SPE 39737.

1992

Ainsworth, R.B. 1992. Sedimentology and sequence stratigraphy of the Upper Cretaceous, Bearpaw - Horseshoe Canyon transition, Drumheller, Alberta. *American Association of Petroleum Geologists Annual Convention, Calgary, Field Trip Guidebook #7*, 118pp.
*Also published in: "Classic Field Guides of the Canadian Society of Petroleum Geologists, Volume 3", 2003, 390 pp.

1991

Ainsworth, R.B. 1991. Sedimentology and high resolution sequence stratigraphy of the Bearpaw-Horseshoe Canyon transition (Upper Cretaceous), Drumheller, Alberta, Canada.
Unpublished MSc thesis, McMaster University, Hamilton, Canada, 213 pp.

CONFERENCE ABSTRACTS

2013

Ainsworth, R.B., Vakarelov, B.K., Lee, C., and MacEachern, J.A. 2013. Anatomy of a Wave-Dominated, Tide-Influenced, Fluvial-Affected (Wtf) Mouthbar Element Complex — Evidence from Outcrop, Core and Wireline Data: Horseshoe Canyon Formation, Alberta, Canada. *AAPG Annual Convention*, Pittsburgh, USA, May 2013.

Bourget, J., Thompson, S.L., and **Ainsworth, R.B.** 2013. Anatomy of a Mixed-Process Shelf-Margin Delta, NW Australia: An Example of Process-Based Classification and Uncertainty Management From a Seismic Dataset. *AAPG Annual Convention*, Pittsburgh, USA, May 2013.

Bourget, J., Salles-Taing, T., **Ainsworth, R.B.** and Duclaux, G. 2013. Quantifying the Importance of Sediment Supply, Global Eustasy and Fault-Induced Accommodation in Controlling Delta Architecture, Shelf-Margin Growth and Deep-water Sediment Transfer: Insights from Stratigraphic-Forward Modelling in Northern Australia. *AAPG Annual Convention*, Pittsburgh, USA, May 2013.

Kumnerdsiri, K., **Ainsworth, R.B.**, Mitchell, A., Backe, G. 2013. Integrated Stratigraphic and Structural Evolution of a Fluvial-Dominated, Tide-Influenced Marginal Marine System, the North Malay Basin, Gulf of Thailand. *AAPG Annual Convention*, Pittsburgh, USA, May 2013.

Lane, T.I., Nanson, R.A., **Ainsworth, R.B.**, Vakarelov, B.K., and Amos, K. 2013. Linked Evolution of the Holocene Mitchell River Megafan and Delta, Gulf of Carpentaria, Australia. *AAPG Annual Convention*, Pittsburgh, USA, May 2013.

Montgomery, A.E., Dashtgard, S.E., MacEachern, J.A., **Ainsworth, R.B.**, and Ricci, L.P. 2013. Paleo-Environmental Interpretation and Depositional Process Classification of Allomembers D and E, Lower Horseshoe Canyon Formation, Alberta. *CSPG Annual Convention*, Calgary, Canada, May 2013.

Montgomery, A.E., Dashtgard, S.E., MacEachern, J.A., **Ainsworth, R.B.**, and Ricci, L.P. 2013. Facies and Facies Architecture of Allomembers D and E, Upper Cretaceous Horseshoe

Canyon Formation, Drumheller, Alberta, Canada. *AAPG Annual Convention*, Pittsburgh, USA, May 2013.

Nanson, R.A., **Ainsworth, R.B.**, Dashtgard, S.E., Lane, T.I., and Vakarelov, B.K. 2013.

Distributary Channel Geometry and Sediment Distribution in a Modern, Monsoonal, Mixed-Process Delta, Gulf of Carpentaria, NE Australia. *AAPG Annual Convention*, Pittsburgh, USA, May 2013.

Nanson, R.A., Lane, T.I., **Ainsworth, R.B.** and Vakarelov, B.K. 2013. The role of intrinsic and extrinsic controls on the Holocene evolution of a mixed process delta: Mitchell River, Queensland, Australia. *10th International Conference on Fluvial Sedimentology*, Leeds, UK, July 2013.

Ricci, L.P., MacEachern, J.A., **Ainsworth, R.B.**, Dashtgard, S.E., and Montgomery, A.E. 2013. Architecture and Facies Analysis of Allomember F, Upper Cretaceous Horseshoe Canyon Formation, Alberta, Canada. *CSPG Annual Convention*, Calgary, Canada, May 2013.

Vakarelov, B.K. and **Ainsworth, R.B.** 2013 Integrating a Hierarchical Process and Architectural Marginal Marine Classification with a Computer Database and Expert Systems — Toward Improved Subsurface Predictions. *AAPG Annual Convention*, Pittsburgh, USA, May 2013.

2012

Ainsworth, R.B., Vakarelov, B.K., Lee, C., and MacEachern, J.A. 2012. Architecture of a Tide-Dominated, Regressive Marginal Marine Succession, Drumheller, Alberta, Canada. *AAPG Annual Convention*, Long Beach, USA, April 2012.

Ainsworth, R. B., Vakarelov, B.K. Lee, C. and MacEachern, J.A. 2012. Tide domination in a regressive marginal marine succession: A case study from the Upper Cretaceous, Horseshoe Canyon Formation, Drumheller, Alberta, Canada. *International Geological Congress*, Brisbane, August 2012.

Ainsworth, R.B. and Vakarelov, B.K. 2012. Predicting Marginal Marine Reservoir Architecture: Examples from Asian Shoreline Systems. *International Petroleum Technology Conference*, Bangkok, Thailand.

Al Anzi, H, **Ainsworth, R.B.**, Bourget, J, and Amos, K.A. 2012. Neogene evolution of the Intra-shelf Malita Basin, Bonaparte Shelf, NW Australia. *International Geological Congress*, Brisbane, August 2012.

Bourget, J. and **Ainsworth, R.B.** 2012. Tide-Influenced Regressive Shelf-Margin Deltas Deposited 300 Km Seawards of Lowstand River Mouths: Importance of Tidal Transport on Giant Continental Platforms (Bonaparte Basin, NW Australia). *AAPG Annual Convention*, Long Beach, USA, April 2012.

Bourget, J., **Ainsworth, R.B.**, Nanson, R.A., and Razin, P. 2012. Pleistocene Evolution of the Bonaparte Basin (NW Australia): Basin Tectonics and Tide-Dominated Sediment Dispersal – A Modern Analogue for Ancient “Giant” Carbonate/Mixed Platform-Basin Systems? *AAPG Annual Convention*, Long Beach, USA, April 2012.

Bourget, J., **Ainsworth, R.B.**, Backe, G. and Keep, M. 2012. The tectonic evolution of the Northern Bonaparte Basin during the Neogene: The shaping of a continental platform. *International Geological Congress*, Brisbane, August 2012.

Lane, T.I., Nanson, R.A., **Ainsworth, R.B.**, Vakarelov, B.K. and Amos, K.A. 2012. Distributary channels of the Mitchell River delta, Australia: sedimentology, architecture and their relation to delta morphology. *International Geological Congress*, Brisbane, August 2012.

Lane, T.I., Nanson, R.A., **Ainsworth, R.B.**, Vakarelov, B.K. and Amos, K.A. 2012. The Morphology of channel belts of the tropical savannah Mitchell River megafan and delta, Queensland, Australia. *ANZGG*, Bundanoon, December 2012.

Nanson, R.A., **Ainsworth, R.B.**, and Vakarelov, B.K. 2012. Application of a New Process-Based Classification Scheme to Modern Mixed-Process Systems: A Case Study of the Mitchell River Delta, Queensland, Australia. *AAPG Annual Convention*, Long Beach, USA, April 2012.

- Nanson, R.A., **Ainsworth, R.B.**, and Vakarelov, B.K., Fernie, A. and Massey, T. 2012. Geometric attributes of reservoir elements in a modern, low accommodation, tide-dominated delta. *APPEA Conference*, Adelaide, May 2012.
- Nanson, R.A., Lane, T.I, Amos, K.A., Vakarelov, B.K., and **Ainsworth, R.B.** 2012. Towards a Model of Scrolled Point Bar Sedimentology in Tropical Savannah Channel Belts; a Case Study of the Upper Delta Plain of the Mitchell River, Australia. *AAPG Annual Convention*, Long Beach, USA, April 2012.
- Vakarelov, B.K., **Ainsworth, R.B.**, and Nanson, R.A. 2012a. Bridging the Gap between Sedimentology and Sequence Stratigraphy: A New Architectural Classification for Marginal Marine Deposits. *AAPG Annual Convention*, Long Beach, USA, April 2012.
- Vakarelov, B.K., **Ainsworth, R.B.**, and Nanson, R.A. 2012b. Predicting Stratigraphic Architecture from Local Basin and Physiographic Attributes: A Process-Based Analysis of Asian Shoreline Systems. *AAPG Annual Convention*, Long Beach, USA, April 2012.

2011

- Ainsworth, R.B.**, Vakarelov, B.K. and Nanson, R.A. 2011. A Process-Based Classification for Marginal Marine Systems: Linking the Ancient and the Modern. *American Association of Petroleum Geologists Annual Convention*, Houston, USA.
- Ainsworth, R.B.**, Vakarelov, B.K. and Nanson, R.A. 2011. An Architecture-Based Classification for Marginal Marine Systems: Examples from the Ancient and Modern. *American Association of Petroleum Geologists Annual Convention*, Houston, USA.
- Ainsworth, R.B.**, Vakarelov, B.K. and Nanson, R.A. 2011. A Combined Process- and Architecture-Based Classification for Marginal Marine Systems — Linking the Ancient and the Modern. *American Association of Petroleum Geologists International Convention*, Milan, Italy.
- Ainsworth, R.B.**, Amos, K.A. and Hasiotis, S.T. 2011. Tidal Signatures from an intracratonic playa lake. *British Sedimentological Research Group Annual Meeting*, London, UK.
- Vakarelov, B.K. and **Ainsworth, R.B.** 2011. Channelization and Stratigraphic Architecture of a Tide-Dominated, High Tidal Resonance Basin Succession: Upper Eocene Temple Member of the Qasr Al Sagha Formation, Egypt. *American Association of Petroleum Geologists Annual Convention*, Houston, USA.
- Vakarelov, B.K. and **Ainsworth, R.B.** 2011. Predicting Stratigraphic Architecture from Local Basin and Physiographic Settings: A Process-Based Analysis of Asian Shoreline Systems. *American Association of Petroleum Geologists International Convention*, Milan, Italy.
- Bourget, J., **Ainsworth, R.B.** and Backe, G. 2011. Tectonic Control of Sedimentary Architecture on Giant Continental Shelves: An Example from the Bonaparte Basin (North-West Australia). *American Association of Petroleum Geologists Annual Convention*, Houston, USA.

2010

- Ainsworth, R.B.** 2010. Stratigraphic Compartmentalization Prediction and Ranking in Marginal Marine Systems. *American Association of Petroleum Geologists Annual Convention*, New Orleans, USA.
- Vakarelov, B.K., **Ainsworth, R.B.** and Nanson, R.A. 2010. A Novel Database-Driven Approach to Shallow Marine Classification: Towards Building a Knowledge Base. *American Association of Petroleum Geologists Annual Convention*, New Orleans, USA.
- Bunch, M., Dance, T., Lawrence, M., **Ainsworth, R.B.**, Daniel, R., Menacherry, S., Browne, G., Arnot, M. and Schacht, U. 2010. Analysis of core recovered from CRC-2. *CO2CRC Symposium*, Melbourne, Australia, 1-3 December 2010.
- Dobrinski, N., Haberland D., Bunch M., Holl S., **Ainsworth R.B.**, Mockler S. and Kaldi J. 2010. Modeling Geological Storage of CO₂: A Workflow Perspective. *American Association of Petroleum Geologists Annual Convention*, New Orleans, USA.

2009

- Ainsworth, R.B.** 2009. Stratigraphic connectivity prediction and ranking for CO₂ geosequestration. *CO₂CRC Symposium*, Coolool, Queensland, Australia.
- Ainsworth, R.B.** and Vakarelov, B.K. 2009. Dynamic Prediction of Clastic Coastal Depositional Style through Time and Space. *American Association of Petroleum Geologists Annual Convention*, Denver, USA.
- Vakarelov, B.K. and **Ainsworth, R.B.** 2009. Ancient Wave-dominated, Tide-influenced Shoreline Systems: Variations from a Microtidal Model. *American Association of Petroleum Geologists Annual Convention*, Denver, USA.
- Bunch, M., Haberlah, D., Dobrzinski, N., Holl, S., **Ainsworth, R.B.**, Vidal-Gilbert, S. and Field, B. 2009. Defining geological systems for CO₂ storage – characterisation and modelling. *CO₂CRC Symposium*, Coolool, Queensland, Australia.
- Bunch, M., Haberlah, D., Dobrzinski, N., Holl, S., **Ainsworth, R.B.**, Vidal-Gilbert, S., Field, B., Doody, B. and Mockler, S. 2009. Defining geological systems for CO₂ storage - characterisation and modelling. Poster presented at the SPE Technical Forum: CO₂ Capture and Storage: Can the Oil and Gas Industry Support its Development and Deployment?, Cadiz, Spain, 13-18 September.
- Dobrzinski, N., Haberlah, D., Bunch, M., Holl, S., **Ainsworth, R.B.**, Mockler, S. 2009. CCS modelling workflow: new aspects, requirements and gaps. *CO₂CRC Symposium*, Coolool, Queensland, Australia.
- Edwards, S.A., **Ainsworth, R.B.**, Kaldi, J., Vakarelov, B and Menacherry, S. 2009. Site characterisation of the Galilee Basin, Queensland. *CO₂CRC Symposium*, Coolool, Queensland, Australia.
- Hasiotis, S.T., **Ainsworth, R.B.**, Amos, K. J., Vakarelov, B. K., Payenberg, T., Krapf, C. B. and Sandstrom, M. 2009. Traces Associated with Wind-Generated Tidal Deposits Formed from the Kalaweerina Creek Terminal Splay Complex, Lake Eyre Basin, Central Australia: Sedimentary Facies and Trace Associations That Might Sway Ichnologic Interpretations. *American Association of Petroleum Geologists Annual Convention*, Denver, USA.
- Nanson, R.A., **Ainsworth, R.B.** and Vakarelov, B.K. 2009. Genesis of the submarine Malita Valley: A closed-contour, tidally enhanced fluvial incision, Joseph Bonaparte Gulf, Australia. *Rivers to Rock Conference*, Aberdeen, UK.
- Nanson, R.A., Vakarelov, B.K., **Ainsworth, R.B.** and O'Reilley, D. 2009a. A preliminary assessment of the relationship between coastal geometry and depositional environments of the Australian coastline. *International Association of Geomorphologists Congress*, Melbourne, Australia.
- Nanson, R.A., Vakarelov, B.K., **Ainsworth, R.B.** and O'Reilley, D. 2009b. Assessment of the relationship between coastal geometry and depositional environment along the Australian coastline; developing models for application to ancient systems. *American Association of Petroleum Geologists Annual Convention*, Denver, USA.

2008

- Ainsworth, R.B.** 2008. Compartmentalization Prediction in Marginal Marine Deposits: Sequence Stratigraphic-Based Insights from 3D Reservoir Modeling Studies. *American Association of Petroleum Geologists Annual Convention*, San Antonio, USA.
- Ainsworth, R.B.** 2008. Stratigraphic Connectivity Prediction in Marginal Marine Deposystems: Implications for CO₂ Sequestration. *CO₂CRC Symposium*, Queenstown, New Zealand.
- Ainsworth, R.B.** and Vakarelov, B.K. 2008. Improved Prediction of Depositional Elements in Mixed-process Coastal Depositional Systems. *American Association of Petroleum Geologists Annual Convention*, San Antonio, USA.
- Ainsworth, R.B.**, Krapf, C.B.E., Hasiotis, S.T., Payenberg, T.H.D., Vakarelov, B.K., Amos, K.J., Sandstrom, M.L. and Lang, S.C. 2008. Diagnostic tidal indicators from an intracratonic playa lake. *American Association of Petroleum Geologists International Convention*, Cape Town, South Africa.

- Vakarelov, B.K. and **Ainsworth, R.B.** 2008. The Quest to Build Robust Stratigraphic Models for Shallow Marine Systems: Lessons from the Holocene. *American Association of Petroleum Geologists Annual Convention*, San Antonio, USA.
- Vakarelov, B.K. and **Ainsworth, R.B.** 2008. Are Ancient Shallow Marine Stratigraphic Models Oversimplified? Potential Compartmentalization Lessons from Holocene Regressive Systems. *Reservoir Compartmentalization Conference, Geological Society of London*, London, UK.
- Vakarelov, B.K. and **Ainsworth, R.B.** 2008. Modern Shoreface-to-Shelf profiles: Implications for Understanding Ancient Regressive Systems. *SEPM Clinoform Research Conference*, Rock Springs, Wyoming, USA.
- Nanson, R.A., **Ainsworth, R.B.** and Vakarelov, B.K. 2008. A preliminary assessment of the relationship between shelf cross-sectional geometry and depositional system types along modern Australian coastlines. *Australasian Quaternary Association Conference*, Victor Harbour, Australia.
- Edwards, S., **Ainsworth, R.B.**, Vakarelov, B.K. and Kaldi, J. 2008. A potential CO₂ storage site in Queensland: the Galilee Basin. *East Australian Basins Symposium III*, Sydney.
- Edwards, S., Vakarelov, B.K., **Ainsworth, R.B.** and Kaldi, J. 2008. Tidally influenced facies of the Betts Creek Beds, Galilee Basin. *CO₂CRC Symposium*, Queenstown, New Zealand.

2007

- Ainsworth, R. B.**, Gibson-Poole, C.M, Daniel, R.F., Werner, M., Vakarelov, B.K. and Edwards, S. 2007. Evaluating reservoirs and seals for CO₂ storage site characterisation. *CO₂CRC Symposium*, Perth, Australia.
- Pattison, S.A.J. and **Ainsworth, R.B.** 2007. Sedimentology, Sedimentary Architecture and Stratigraphy of Isolated Inner Shelf Channels, Upper Cretaceous Aberdeen Member, Green River Embayment, Book Cliffs, eastern Utah, U.S.A.: Implications for Shoreface-to-Shelf Facies Models. *American Association of Petroleum Geologists Annual Convention*, Long Beach, USA.
- Edwards, S., Payenberg, T., **Ainsworth, R.B.**, Vakarelov, B.K. and Kaldi, J. 2007. Characterising the Betts Creek Beds and equivalents for CO₂ storage. *CO₂CRC Symposium*, Perth, Australia.
- Vakarelov, B.K., Gibson-Poole, C.M, and **Ainsworth, R.B.** 2007. Storing CO₂ in Deep Saline Formations: managing stratigraphic uncertainties. *CO₂CRC Symposium*, Perth, Australia.

2006

- Ainsworth, R. B.**, Flint, S. S. and Howell, J. A. 2006. Predicting Coastal Depositional Style: Influence of Accommodation/Sediment Supply and Basin Morphology. *American Association of Petroleum Geologists International Convention*, Perth, Australia.
- Ainsworth, R. B.** and Smith, A. 2006. Reservoir Heterogeneity in Wave-dominated Shorelines: Integrating Core, Log, Seismic and Analogue Data to Reduce Depositional Architecture Uncertainty, Pohokura Field, New Zealand. *Shell Integrated Subsurface Conference*, Kuala Lumpur, Malaysia.
- Alsop, D. B. and **Ainsworth, R. B.** 2006. Predicting Calcite Cement Distribution in the Sunrise Gas Field Using Analogues. *American Association of Petroleum Geologists International Convention*, Perth, Australia.
- Langedijk, R. van den Heuvel, E, **Ainsworth, R. B.**, Coppel, C. and Smith, A. 2006. Pohokura Field: Creating a Flexible Well Design Based on a Scenario Approach to Reservoir Modelling. *Shell Integrated Subsurface Conference*, Kuala Lumpur, Malaysia.

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