

## Publications

### Book chapters

Sambrook Smith, G., Ashworth, P.J., Best, J.L., Woodward, J., Simpson, C.J. (2005) 'The morphology and facies of sandy braided rivers: some considerations of scale invariance', in Blum, M.D., Marriott, S.B. and Leclair, S.F. (eds.) *Fluvial Sedimentology VII*, International Association of Sedimentologists, Special Publication No. 35, 145-158, Blackwells.

Woodward, J., Ashworth, P.J., Best, J.L., Sambrook Smith, G. and Simpson, C. (2003) 'The use and application of GPR in sandy fluvial environments: methodological considerations', in Bristow, C.S and Jol, H.M. (eds.) *Ground Penetrating Radar in Sediments*, Geological Society of London, Special Publication, 211, 127-142.

### Journals

Lunt, I. A., Sambrook Smith, G. H., Best, J. L., Ashworth, P.J., Lane, S. N. and Simpson, C. J. (2013) Deposits of the sandy braided South Saskatchewan River: implications for the use of modern analogues in reconstructing channel dimensions in reservoir characterisation *Bulletin of the American Association of Petroleum Geologists*. ISSN 0002-7464

Parker, N. O., Sambrook Smith, G. H., Ashworth, P.J., Best, J. L., Lane, S. N., Lunt, I. A., Simpson, C. J. and Thomas, R. E. (2013) Quantification of the relationship between surface morphodynamics and subsurface sedimentological product in sandy braided rivers *Sedimentology*. ISSN 0037-0746

Ashworth, P.J., Sambrook Smith, G.H., Best, J.L., Bridge, J.S., Lane, S.N., Lunt, I.A., Reesink, A.J.H., Simpson, C.J. and Thomas, R.E. (2011) Evolution and sedimentology of a channel fill in the sandy braided South Saskatchewan River and its comparison to the deposits of an adjacent compound bar. *Sedimentology*, doi: 10.1111/j.1365-3091.2011.01242.x.

Lane, S.N., Widdison, P.E., Thomas, R.E., Ashworth, P.J., Best, J.L., Lunt, I., Sambrook Smith, G.H., Simpson, C.L. (2010) Quantification of braided river channel change using archival digital image analysis. *Earth Surface Processes and Landforms*, 35, 971-985.

Sambrook Smith, G.H., Best, J.L., Ashworth, P.J., Lane, S.J., Parker, N.O., Lunt, I.A., Thomas, R.E. and Simpson, C.J. (2010) Can we distinguish flood frequency and magnitude in the sedimentological record of rivers? *Geology*, 38, 579-582.

Best, J.L., Woodward, J., Ashworth, P.J., Sambrook Smith, G.H. and Simpson, C.J. (2006) 'Bar-top hollows: a new element in the architecture of sandy braided rivers', *Sedimentary Geology*, 190, 241-255.

Sambrook Smith, G.H., Ashworth, P.J., Best, J.L., Woodward, J., Simpson, C.J. (2006) 'The sedimentology and alluvial architecture of the sandy braided South Saskatchewan River, Canada', *Sedimentology*, 53, 413-434.

### Theses

**Tomasz Zuk:** Processing and interpretation of 3-D GPR data in fluvial sedimentology

**Natalie Parker:** Distinguishing flood frequency and magnitude in the morphodynamics and sedimentology of rivers: Insights from the South Saskatchewan River, Canada

**Rob Thomas:** Flow processes and channel change in sand-bedded braided rivers

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