



BSG Annual Conference: Tuesday 31st August to Thursday 2nd September 2010

Tuesday 31st August: Ondaatje Theatre, RGS-IBG

- 09.00 Registration desk opens @ RGS-IBG, 1, Kensington Gore
- 10.00 - 10.05 Welcome
Professor Bob Allison, University of Sussex
- 10.05 - 10.15 **BSG@50**
Professor A. Lang, Chair, British Society for Geomorphology & University of Liverpool
- 50th Challenge: simulation and uncertainty**
- 10.15 - 10.55 **Keynote: What error bars? Gauging uncertainty in landscape models**
Professor Taylor Perron, Department of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology
- 10.55 – 11.15 Martel, T.A. and Van De Wiel, M.J. The signal-to-noise ratio in lacustrine sediment core derived climate reconstructions: simulating the sediment process-network from source to sink
- 11.15 - 11.35 Coffee
- 11.35 - 11.55 Hutton, C.J., Nicholas, A.P., Brazier, R.E. and Nearing, M.A. Ephemeral channel modelling at historic timescales in semi-arid environments
- 11.55 - 12.15 Reesink, A.J.H., Ashworth, P.J., Sambrook Smith, G.H., Best, J.L., Parsons, D.R., Amsler, M.L., Hardy, R.J., Lane, S.N., Nicholas, A.P., Orfeo, O., Sandbach, S.D. and Szupiany. Geomorphological controls on the sedimentology of large braided-bars in the Rio Parana, Argentina
- 12.15 - 12.50 **Warwick Lecture: Dirty dancing: the Bermejo/Paraguay tango**
Dr Daniel Parsons, School of Earth and Environment, University of Leeds
- 12.50 - 13.45 Lunch

50th Challenge: providing the baseline: records of environmental change

- 13.45 - 14.25 **Keynote: Making the past public: challenges for Quaternary Science**
Professor Antony Long, Department of Geography, University of Durham
(sponsored by the QRA)
- 14.25 - 14.45 Macklin, M.G., Lewin, J. and Jones, A.F. Seeing things whole: database and meta-analysis of fluvial responses to Holocene environmental change
- 14.45 - 15.05 Murton, J.B. Permafrost as a driver and record of environmental change
- 15.05 - 15.25 Thorndycraft, V.R., Field, A., Godfrey, F. and Griggs, A. Towards a quantification of flood response to long-term autogenic and allogenic drivers
- 15.25 - 15.45 Tea
- 15.45 - 16.05 Thomas, D.S.G. and Burrough, S.L. Interpreting geoproxy records of late Quaternary climate change in the low latitudes: the challenge of incorporating Geomorphological reality in palaeoenvironmental research
- 16.05 - 16.40 **Linton Lecture: The coupling status of alluvial fans and debris cones**
Professor Adrian Harvey, Department of Geography, University of Liverpool
- 17.00 - 18.00 **30th IGC Lecture: Science, policy and politics for the Florida Everglades**
Professor Will Graf, Department of Geography, University of South Carolina
- 18.30 - 19.45 **50th anniversary debate joint with RGS-IBG: Fragile environments: are we at a tipping point?**
Professor Ken Gregory, BSG President (Chair)
Professor Stuart Lane, Durham University
Professor Sue Smith, Girton College Cambridge
Professor Alan Thorpe, Natural Environment Research Council & RCUK
Professor Chris Whitty, Head of Research, DfID

Wednesday 1st September: Imperial College

50th Challenge: Processes at the surface of the Earth

- 09.00 – 09.40 **Keynote : Earth surface processes: five grand challenges for the 21st century**
Dr Oliver Korup, Institute of Geosciences, University of Potsdam
- 09.40 – 10.00: Bishop, P., Jansen, J., Castillo, M., Reinhardt, L., Whitbread, K., Kim, J-Y., Fabel, D. and Hoey, T. 'Bottom-up' bedrock river response to rock uplift: unravelling the controls of landscape responses to transience.
- 10.00 - 10.20: Curoy, J., Moses, C.A. and Robinson, D. Depth of disturbance measurements on a macrotidal mixed beach, Birling Gap, East Sussex
- 10.20 - 10.40: Moses, C., Charman., Robinson.D. and Williams, R. Rates and patterns of down wearing on cohesive shore platforms, UK

10.40 - 11.10 Coffee

11.10 - 11.30 Acuna, F.J.F., Vieira, R. and da Rosa, K.K. About global warming into King George Island: process and proves at Wanda Glacier and neighbourhoods.

11.30 – 12.05 **Wiley Lecture: Planform dynamics of braided streams**
Dr Walter Bertoldi, Department of Geography, Queen Mary University of London

12.05 - 12.40: poster session

13.00 - 14.15: British Society for Geomorphology AGM (Pavilion, RGS-IBG, Kensington Gore)

13.10 - 14.25: Lunch & RGS-IBG plenary (RGS-IBG, Kensington Gore)

50th Challenge: connectivity in earth surface systems

14.40 – 15.20 **Keynote: (Dis)connectivity in Earth surface processes: a fresh look at the sediment deliver problem**
Dr Kirstie Fryirs, Department of Environment and Geography, Macquarie University

15.20 - 15.40: Hooke, J.M., Sandercock, P.J. and Marchamalo, M. Runoff and sediment connectivity in fluvial systems: assessment, validation and application

15.40 - 16.00: Bradley, J.G., Taylor, R.G. and Carter, A. From Palaeozoic glaciers to Neogene river reversal: the 300 Ma history of the Katonga valley in SW Uganda

16.00 - 16.20: Marston, R., Gossard, M. and Meade. Geomorphic impact of discontinuities in fluvial incision: north-central Kansas

16.50 - 18.00: Frost lecture (Ondaatje Theatre): Geomorphology, influence and impact
Dr R. Gardner, Director, Royal Geographical Society (with IBG)

18.30- BSG awards reception and annual dinner to be held in marquee in grounds of RGS-IBG, food and drink provided by Lodge Catering.

Thursday 2nd September: Imperial College

50th Challenge: technological advances

09.00 – 09.40 **Keynote: Tightening the fisherman's net: technological escalation in geomorphology**
Dr James Brassington, Institute of Geography & Earth Sciences, Aberystwyth University

09.40 - 10.00: Bradley, J.G., Taylor, R.G. and Mulwa, J. Comparison of Electrical Resistivity 2D Tomography and 1D Profiling to characterise erosion and deposition in the Katonga Valley of SW Uganda

10.00 - 10.20: Sangster, H., Duncan, D.C.A. and MacDonald, N. Pre-industrial responses to volcanic eruptions in Western Europe and their role in contemporary civil defence plans

10.20 - 10.40: Spencer, T. Geomorphology and global environmental change: getting the message across

10.40 - 11.10 Coffee

11.10 - 11.40 poster session for themes 4 & 5 (+30 minute coffee break)

11.40 - 12.00: El Bayomi, M.G. Geo-environmental hazards on archaeological sites in El Minia, Egypt.

12.00 - 12.20: Ghanavati, E. Flood risk mapping in Sanandaj.

12.20 - 12.40: **Where do we go from here: 50 challenges for the 50th anniversary?**
Bernie Smith, BSG Vice-Chair & Queen's University Belfast

13.10 - 14.25: Lunch & RGS-IBG plenary (RGS-IBG, Kensington Gore)

Posters

Ahmed, A. Disasters arising from Common River Water in South Asia: a case study on the impacts, women's adjustments and policy guideline for Bangladesh.

Furlani, S., Devoto, S. and Biolchi, S. Factors triggering sea cliff instability along the Slovenian coasts.

Furlani, S. and Ninfo, A. Geostatistical analysis of micro-morphology changes.

Khawaja, S. 'Green walls': simulating algal growth on sandstone heritage.

Ninfo, A., Ferrarese, F. and Mozzi, P. DEM classification of alluvial landforms in the Venetian Plain (NE Italy).

Shuttleworth, E.L., Evans, M.G. and Rothwell, J.J. Impacts of wildfire, erosions and restoration on sediment flux and pollutant mobilisation in the peatlands of the Peak District National Park.

Tancock, M.J., Lane, S.N. and Hardy, R. Channel-scale discrete particle modelling of river channel junctions.

Todd, B., Macdonald, N., Chiverrell, R. and Hooke, J. Reconstructing a long term drought record for Britain