18th WINDY DAY

PROGRAMME

University of Leicester, Wednesday 17th October

Location: Charles Wilson Second Floor Lecture Theatre Belvoir Park Lounge

1000–1025 hrs.  Registration, tea/coffee & uploading of presentations

Morning session
1025-1030 hrs.  Welcome: Dr Sue McLaren, University of Leicester

Chair:  Professor Mark Bateman, University of Sheffield

1030-1050 hrs.  Reproducibility of dune luminescence chronologies in the northeast Rub’ al Khali, UAE - Carly L. Leighton1, Richard M. Bailey2, David S.G. Thomas1,2, 1School of Geography and the Environment, University of Oxford 1, 2Department of Environmental and Geographical Science, University of Cape Town.

1050-1110 hrs.  Dune Transformations Driven by Vegetation Changes in the Ordos Plateau, Inner Mongolia, China Na Yan and Andreas C. W. Baas, Department of Geography, King’s College London.

1110-1130 hrs.  Pattern and Distribution of Complex Dune Structures Using Residual Relief Separation, Central Saudi Arabia Nadia. R. Khalef1,2, Sue. J. McLaren1, Andrew V. Bradley1,2, Ahmed AlDughairi4 Department of Geography, University of Leicester, 2Division of Ecology & Evolution, Imperial College London, 4Sainsbury Research Unit, University of East Anglia.

1130-1150 hrs.  Relationship between dune colour and dune topography in central Saudi Arabia – what does it mean? Andrew V. Bradley1,2, Sue J. McLaren1, Ahmed AlDughairi4, Nadia Khalef1,4 1Department of Geography, University of Leicester, 2Division of Ecology & Evolution, Imperial College London, 4Sainsbury Research Unit, University of East Anglia.

TEA BREAK  1150-1205  Charles Wilson Second Floor LT Belvoir Park Lounge

Chair:  Dr Mark Powell, University of Leicester


1225-1245 hrs.  Averaging interval selection for the calculation of Reynolds shear stress for studies of boundary layer turbulence. Z. S. Lee1 and A. C. W. Baas, 1Department of Geography, King’s College London,
Comparison or Satellite and Ground Based Radar for Mapping Sub-Surface Features in the Ubari Sand Sea, Libya Nick Drake and Jan Francke, 1 Department of Geography, King’s College, London, Kevin White, Department of Geography, Univ. of Reading, Simon Armitage, Department of Geography, Royal Holloway, Univ. of London, Mark Hounslow, Lancaster Environment Centre, Mustapha Salem and Osama Hlal, Earth Sciences Department, Tripoli University, Ahmed El-Hawat, Earth Sciences Department, University of Bingham, Libya.

LUNCH 1305-1345 hrs. Lunch Geography Student study area and uploading of presentations

Afternoon session - Charles Wilson 2nd Floor LT Belvoir Park Lounge

Chair Professor Andrew Goudie, University of Oxford

1350-1420 hrs. Guest speaker: One million years of aeolian dynamics recorded in the Serbian loess-palaeosol sequences Slobodan Markovic University of Novi Sad, Serbia

1420-1440 hrs. Reconciling the luminescence- and tephro-chronologies of the Palouse Loess, Washington State, USA G.E. King, H.M. Roberts and N.J. Pearce, Institute of Geography & Earth Sciences, Aberystwyth University, SY23 3DB, Wales, U.K.

1440-1500 hrs. Dust Storm Forecasting at the Met Office Malcolm E. Brooks, Bruce Ingleby, Yaswant Pradhan, Ben Johnson, David Walters, Jane Mulcahy, Met Office, Exeter, UK

1500-1520 hrs. RAIN4DUST: A multi-observational characterisation of dust emission from alluvial sources K. Schepanski1, C. Flamant2, J.-P. Chaboureau3, C. Kocho2,4, C. Lavaysse2,5, J. Pelon2, F. Marnas6, T. J. Wright1 and P. Knippertz1, 1School of Earth and Environment, University of Leeds, 2Laboratoire Atmosphères, Milieux, Observations Spatiales, CNRS and Université Pierre et Marie Curie, Paris, France, 3Laboratoire d’Aérologie, University of Toulouse and CNRS, Toulouse, France 4Centre National de Recherches Météorologique, CNRM/GAME, URA 1357, CNRS/Météo France, Toulouse, France 5, McGill University, Montréal, Canada6, Laboratoire des Sciences du Climat et de l’Environnement, CEA and CNRS, Gif-sur-Yvette, France.

TEA BREAK 1520-1535 Geography Student study area (final session is also based here)

Chair: Dr Nick Drake, King’s College London

1535-1545 hrs. Applied aeolian research in South Africa: a way forward? Peter J Holmes, Department of Geography, University of the Free State, Bloemfontein, South Africa.

1545-1605 hrs. Monitoring Aeolian Transport Events at Sefton Dunes Irene Delgado-Fernandez, Department of Geography, Edge Hill University, Ormskirk, Lancashire.

1605-1625 hrs. The genesis of Essex ‘brickearth’ Peter Wynn, Department of Geography, University of Leicester.

1625-1645 hrs. Interesting results from a recently conducted set of Bromhead Glacial Grinding Experiments to study the generation of Loess Particles. K A O’Hara-Dhand, I. J Smalley and Sue J. McLaren, Department of Geography, University of Leicester.

Close of meeting, announcement of future meetings (& then head to the pub!)