



NEWSLETTER

LGS Newsletter 161.4

29th December 2019

Tuesday 7th January 2020

LGS Members' Evening at 7.30 p.m. in Lecture Theatre 137 of Liverpool John Moores University, Byrom Street, L3 3AF.

The four LGS members giving talks on this evening are: **Jim Marshall** (Geology on the Wirral), **Stephen Hurrell** (Can we calculate palaeogravity? {Updated}), **Alan Clague** (LGS Iceland tour, 2019) and **Chris Hunt** (Gondwanaland in KwaZulu-Nata).

Tuesday 4th February 2020

Lecture by Dr Steve Barrett (University of Liverpool) at 7.30 p.m. in Lecture Theatre 137 of Liverpool John Moores University, Byrom Street, L3 3AF.

Title: Image Analysis in Earth Sciences

Description:

This talk gives an overview of how microscope images can be processed and analysed to provide information about a wide range of materials, including geomaterials. The talk starts by discussing imaging in general, highlighting some of the difficulties encountered when interpreting images. Then a short introduction to the nature of light shows how specialist microscopes can be used to reveal the crystalline structure of rocks.

Short biog:

As a Senior Research Fellow in the Department of Physics, Steve's research interests span all aspects of imaging, image processing and image analysis. This includes medical imaging (biophysics), scanning probe microscopy of atoms, molecules and surfaces (nanophysics), microscopy of earth materials (geophysics) and astrophotography.

Advance notice

The Herdman Symposium 2020 to be held on 22nd February at the University of Liverpool.

Title: Climate through Earth's History

Description:

The invited speakers use cutting edge research techniques to probe Earth's climate. They will take us on a journey through geological time and explain how their latest findings inform on our understanding of climate in the past and what this means for the future of our planet. Speakers will be:

Dr Will Hutchison (St Andrews) - Volcanology

Dr Katrien Van Landeghem (University of Bangor) - Marine Geology and Geophysics

Professor Mark Maslin (University College London) - Climatology and Anthropology

Professor Laura Robinson (University of Bristol) - Geochemistry

Dr Chris Stevenson (University of Liverpool) - Sedimentology

Professor Bridget Wade (University College London) – Micropalaeontology.

Tickets:

For Alumni of the Herdman Society, University Staff and LGS Members the ticket price is £10. This event fee includes the Talks, Abstracts, Light refreshments, Sandwich Lunch and Wine Reception.

Tickets will be sold at LGS meetings. Members wishing to book online should book tickets under Package B on the online payment site:

<https://payments.liv.ac.uk/conferences-and-events/events-at-liverpool/school-of-environmental-sciences/herdman-symposium-2020-climate-throughout-earths-history>

Notice about the Churchill Way flyovers

There are road closures and changes to pedestrian ways due to the dismantling of the Churchill Way flyovers. To find out how this might affect your journey to LJMU, visit this site where there is also a link to the Liverpool City Council's website:

<https://www.ljmu.ac.uk/study/undergraduate-students/visit-us/directions/james-parsons-building>