

STAR PROGRAMME 2019

All meetings at 2-00pm in the Keyworth Methodist Church

Monday 4th February 2019:

Dr Tim Pharoah – (Formerly of BGS) will be giving a Talk called *“Fracking – An Update”*

Tim gave STAR Group a very instructive and objective talk on Fracking back in December 2013 called *“Shale Gas – A new Bonanza?!”*

But since then there have been many changes and Tim has kindly agreed to come and give us an update on where we are now.

Monday 4th March 2019:

Dr Megan Barnett will be giving us a talk with the Title: *‘Geomicrobiology and Life’s Extremes’*

As you dig down from the Earth’s surface the oxygen begins to run out. This means life in the subsurface has to use other methods to survive. Along with lack of oxygen the field of geomicrobiology covers how life copes with extremes of pH, pressure and nutrient availability.

At the BGS we investigate what happens to the microbiology when we disturb the subsurface and how microbiology interacts with rock and minerals, using examples from radioactive waste disposal and biomining as examples.

Monday 1st April 2019:

Paul Fileman of Soar Valley U3A will be giving us a talk with the title *“The Evolution of Computer Programming”*

We will look at the history of computers and the languages used to programme them. Computer software has evolved alongside the development of the computer technology that it runs on which means that we need to look at both the technology and the languages in order to understand how computer programming has evolved.

We will investigate the types of language used to programme computers together with a selection of some common languages. We will also explore some of the methodologies used to ensure that the resulting programmes actually work.

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Monday 6th May 2019:

BANK HOLIDAY – NO STAR GROUP MEETING THIS MONTH

Monday 3rd June 2019:

Dr Roxana Ciurean will be giving a talk called **“Reducing vulnerability of communities to natural hazards in a changing world”**

This talk will interactively explore the pivotal role vulnerability has in understanding and reducing the risk posed by natural hazards such as floods, landslides, earthquakes, tsunamis to different communities and countries around the world.

While societies and the environment are undergoing fundamental changes, researchers, practitioners and decision-makers are yet to find common solutions to reduce the gap between those most and least susceptible to the impact of these hazards. Can we find solutions that contribute to this endeavour?