

STAR PROGRAMME 2022

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

Monday 4th April 2022:

Paul Roebuck – One of our own long-established STAR Group Members will be giving a talk called...

"The time has come ..."

Abstract.

This an undemanding scientific talk based on the calendar. The talk starts with the philosophical question 'What is Time', which is unanswerable. But how we divide it up has a long history, which is the main topic of the talk. We know how it is divided up today and we explore the development from Ancient Civilisations through to the 21st Century.

Monday 2nd May 2022:

Paul Fileman – of Soar Valley U3A will be giving a talk with the title

"Heat Pumps Explained"

Abstract

This talk will explore the theory of **Heat Pumps** and explain how they work and then go on to examine their efficiency to give an understanding of why they make a difference to our environment.

System design criteria and installation issues in both new buildings and retrofit will be explored together with example installation and running costs.

Monday 6th June 2022:

THERE WILL BE NO MEETING THIS MONTH

There will be a four-day bank holiday weekend from **Thursday 2nd June to Sunday 5th June 2022** to celebrate the **Queen's Platinum Jubilee Year**. It is thought that many people will take the opportunity to take a weekend break.

"MID SUMMER BREAK"

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Monday 4th July 2022:

Professor Roy G Faulkner Roy Faulkner, BSc, PhD, DSc, FIMMM

– will be giving a talk on the subject of...

"Nuclear Power"

Abstract.

The talk starts with a discussion of the nature of nuclear energy, and the energy supply requirements for the UK and the world. The importance of nuclear power in achieving net zero will be emphasised. This will be followed by a discussion of various designs of nuclear fission reactors. The attempts to produce power from nuclear fusion will be covered. Finally, consideration will be given to the safety of nuclear power, and radioactive waste disposal.

Monday 1st August 2022:

Julian Ellis (Master Framework Knitter) will be giving a talk with the title ***"Tomorrows Textiles"***.

Abstract

Julian will be talking about textiles for technical applications, including surgical implants, and parts for aeroplanes, ships and racing cars. There will be many examples to be passed round for examination.