

# Which talk is right for me?

Q1. ARE YOU INTERESTED IN EXPLORING HOW THINGS WORK, OR IN DESIGNING HOW THEY SHOULD WORK?

A: How things work

B: How things should work

Q2. DO YOU THINK BIG PICTURE, OR IN DETAIL?

A: BIG

B: detail

Q3. ARE YOU MORE MOTIVATED BY THE THOUGHT OF HELPING PEOPLE, OR OUR PLANET

A: People

B: Planet

Q4. WHAT SUBJECT INTERESTS YOU MOST?

A: Chemistry

B: Civil Engineering

C: Mechanical Engineering

## Answers

* Is it possible to fix Carbon Dioxide?

In this session, you will hear from researchers in the Manchester Institute of Biotechnology (MIB) and the Department of Chemistry at the University of Manchester.

Professor David Leys will describe how his research group discovered a new enzyme cofactor and are now using this to catalyse 'green' chemical reactions and to fix carbon dioxide.

* Will we have enough food and water in a hotter world?

Food and water security in the face of rapidly changing climates is already becoming one of the key challenges of academics from a large number of disciplines.

Dr Tim Foster will focus on how civil engineers are contributing to this work, and ensuring that there will be enough food and water to meet global demand.

* Does a low carbon holy grail exist?

Nuclear fusion has the potential to be an abundant source of continuous, low carbon power.

Fusion research has been ongoing for many decades, and we are now entering a stage of huge growth: with ITER in progress, the new UKAEA STEP site just announced, and a huge number of private investment.

However, significant challenges remain that must be overcome before fusion power is connected to the grid. Join our panel to discuss what fusion is and discuss the steps needed to make the future of fusion a reality.