



THE UNIVERSITY of EDINBURGH

Science on a Summer's Evening

Wednesday 10th June 2015, 6–8.30pm

Michael Swann Building, Max Born Crescent, The King's Buildings,
Gateway 4, Mayfield Road, Edinburgh EH9 3BF.

We present a special evening of lectures, music and hands-on science, showcasing exciting research at the University of Edinburgh.

This event is **free**, but ticketed; to register:
visit www.ed.ac.uk/tickets, or call 0131 650 5753.

Saving tomorrow's memories

Olof Johansson

Welcome to a world where lasers probe the heart of individual molecules, and where events happen in a millionth of a nanosecond.

This talk describes some of today's innovative research in material science. In particular, we focus on the use of extremely short laser pulses to control magnetic materials, the basic components in information storage devices.

Find out how society could be influenced by novel 'smart' materials, and how new developments will help to solve the problem of storing the huge amounts of information we will generate in all areas of our lives.

The data revolution in science

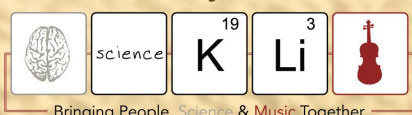
Dave Robertson

Our society will be transformed through our ability to gather, store, process, and integrate vast quantities of information.

Large-scale research projects – such as the Large Hadron Collider, or the UK Biobank – are being joined by novel data-gathering approaches with the active participation of millions of people, from areas as diverse as galaxy mapping to natural disaster response systems. We are developing new ways of thinking about data.

These new forms of data management promise to open up exciting areas of research and, as a consequence, new challenges for research priorities and ethics.

- Live music by the Science Ceilidh Band
- Refreshments
- Hands-on science



Bringing People, Science & Music Together

Supported by the College Engagement Team