

**Cambridge Physics Centre presents:**

# **Exotic Magnetism: monopoles, and emergent order**

## **by Dr Siân Dutton**

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Magnetic materials underpin many technologies from the compass, to magnetic storage of data in RAM memory devices. By controlling the individual building block of magnetism, the 'spin' of individual atoms, it is possible to manipulate the magnetic properties to induce exotic forms of magnetic order. Siân will discuss the exotic magnetism which arises in new materials prepared in laboratories, and how they might be used as bits in next generation computing or for the magnetic equivalent of electricity called 'magnetricity'.

**6pm on Thursday 15<sup>th</sup> November 2018**

Pippard Lecture Theatre, Cavendish Laboratory,

J J Thomson Avenue, Cambridge

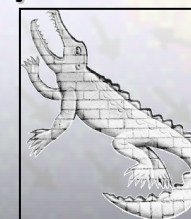
Directions at

<http://outreach.phy.cam.ac.uk/programme/cpc/cpcdirections>

No need to book, just turn up

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