

# 'Watts New with Clean Energy? Batteries Included'

## About the lecture

A major challenge in the twenty-first century is the development of cleaner sustainable sources of energy to help kick the fossil fuel habit and cut carbon emissions. New materials and fundamental understanding are crucial for major advances in green technologies such as fuel cells and lithium batteries. This talk will highlight, with the aid of 3D specs, the use of atomic-scale modelling to examine new crystalline materials for both fuel cells in homes and lithium batteries in electric vehicles.



## About the lecturer

Saiful Islam has been Professor of Materials Chemistry at the University of Bath since 2006. He grew up in north London and studied Chemistry at University College London. This was followed by a postdoctoral fellowship at the Eastman Kodak Labs in New York, USA, and a Lecturer position at the University of Surrey. Saiful enjoys films, football and indie music (including The Smiths from Manchester).

## Who should attend?

The Royal Society of Chemistry (RSC) Schools Lecture Series of the Materials Chemistry Division have been developed for students (in Y12 or 13), teachers and the general public. The aim of the lectures is to link cutting edge research with the school curriculum, whilst highlighting the excitement and importance of materials chemistry.



**Where?** G51, Chemistry Building,  
University of Manchester

**When?** Wednesday March 7th, 2012,  
3.00 – 4.30pm

**Who?** The talk will be suitable for students  
of A-level Chemistry, in Y12 or 13.

To book onto this event please visit the links below:

Teacher: <http://wpdatabase.manchester.ac.uk/event/?id=292>

Individual: <http://wpdatabase.manchester.ac.uk/event/?id=293>

Any questions please contact [emma.lewis@manchester.ac.uk](mailto:emma.lewis@manchester.ac.uk)



The University of Manchester

