



**Cambridge Society for the
Application of Research**

Programme for the Academic Year

2013-2014

The Larmor Lecture

MONDAY 14th OCTOBER

(This lecture is held jointly with the Cambridge Philosophical Society. It will take place in the **Bristol-Meyers Squibb** lecture theatre in the Department of Chemistry, and commence at **6pm**)

Physics, Chemistry, Materials Science and Biology, derived from the Schrödinger Equation

Professor Mike Payne FRS

Head of Theory of Condensed Matter Group, Department of Physics,
University of Cambridge

THE CSAR LECTURES:

CSAR lectures and debates start at **7.30 pm**.

They will take place in the Wolfson Lecture Theatre, Churchill College,
Storey's Way, Cambridge. CB3 0DS

Coffee and biscuits are served beforehand at Churchill College from
7.00 pm. in the foyer outside the theatre.

The CSAR Lectures are open to all; CSAR members are admitted free.

Non-members are asked to pay a **nominal entry fee of £3.00**

Pupils and students can register for free membership at the lecture
reception desk

CSAR COUNCIL

Professor David Adamson: President
Dr Peter Forster: Vice President
Dr Ilesh Bidd: Secretary to Council
Mr Robin Bligh: Honorary Treasurer
Dr Richard Freeman:

Organising Secretary

Mr John Grieve: Visits Organiser

Mrs Jane Baker: Bursaries/Outreach

Dr Nigel Bennée: Webmaster

Mrs Elizabeth Platts

Dr Richard Jennings

Dr Valerie Anderson

The President of BlueSci

MICHAELMAS TERM, 2013

MONDAY 21st OCTOBER

Applied and not-yet-applied

Professor Sir Leszek Borysiewicz
Vice-Chancellor, University of Cambridge

MONDAY 28th OCTOBER

The 'Festival of Ideas' Lecture

The Key Drivers in the World Economy

Why we should be positive

Dr Gerard Lyons
Economic Adviser to the Mayor of London

MONDAY 4th NOVEMBER

The CSAR Debate

"This House believes that the UK should support research into, and the use of, genetically-modified food"

MONDAY 18th NOVEMBER

The **AGM** of the CSAR (starting at 7.15pm) followed by:

Notes on Notes

The musicology of performance

Professor John Rink
Professor of Musical Performance Studies
Faculty of Music, University of Cambridge

MONDAY 2nd DECEMBER

Do We Really Need Pandas?

The impact of human intervention on natural selection

Dr Ken Thompson
Department of Animal and Plant Sciences, University of Sheffield

LENT TERM, 2014

MONDAY 20th JANUARY

(The first CSAR lecture of Lent Term is traditionally held jointly with the Cambridge Philosophical Society, and will take place at our normal time of 7.30pm in the Wolfson lecture Theatre)

Validation of EEG-neurofeedback for optimising performance

Professor John Gruzelier
Department of Psychology, Goldsmiths
University of London

MONDAY 3rd FEBRUARY

Can Research Prevent Crime?

Professor Lawrence Sherman
Director, Institute of Criminology
University of Cambridge

MONDAY 17th FEBRUARY

Title to be confirmed

Lord Alec Broers
Former Vice-Chancellor, University of Cambridge

MONDAY 3rd MARCH

Why aircraft may soon grow bumps on their wings

Professor Holger Babinsky
Professor of Aerodynamics, Department of Engineering
University of Cambridge

MONDAY 17th MARCH

New Book Evening

In association with the Cambridge Science Festival

Three authors will talk about their new books, and be available for discussions afterwards. Their books and a selection of others will be available for purchase

EASTER TERM, 2014

MONDAY 14th APRIL

Self-Assembling Molecular Structures

Novel molecular structures and materials

Professor Daan Frenkel

Department of Chemistry, University of Cambridge

MONDAY 5th MAY

pm

Tunnelling Under Cities

Advances in Research and Practice

Professor Robert Mair

Department of Engineering, University of Cambridge

MONDAY 19th MAY

Molecular Gastronomy

The Science of Taste and Flavour

Professor Peter Barham

School of Physics, University of Bristol

MONDAY 2nd JUNE

Stuff Matters

Why public workshops are more important than public libraries

Professor Mark Miodownik

Director, Institute of Making, University College London

MONDAY 16TH JUNE

Noise in audio and electronics

Dr Chris Hicks

Engineering Director of CEDAR Audio, Cambridge

CSAR visits

CSAR organises a number of visits during the year. These will be to the Print Studio, workshop of the master printmaker Kip Gresham on 30 Oct; the David Ball Group, which makes low-carbon cementitious products for the construction industry on 20 March; and the world-famous MRC Laboratory of Molecular Biology on 8 May.

See the CSAR website for details, or contact our Visits Organiser (below).

There will also be a guided tour of the new West Cambridge science/technology site and of the historic parts of the city on 15 Nov.

Objectives of the Society

The CSAR exists to encourage the advancement of education through the promotion and presentation of research, the provision of educational lectures and visits, and to encourage the appreciation and application of research.

CSAR contacts:

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Visits Organiser:

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