

24th April

Meet the Authors

Three authors will talk about their new books and join in discussion afterwards.

8th May

Architecture for Resilience - surviving earthquakes, tornadoes, fire and floods

Dr Emily So MEng PhD CEng MICE, Magdalene College, University of Cambridge, Director of Cambridge Architectural Research Ltd.

22nd May

Debate: This house believes that Artificial Intelligence/Robotics will make us happy

5th June

“The world in 2050” Human extinction risks

Lord Martin Rees OM, FRS, FREng, FMedSci, Trinity College and Institute of Astronomy, University of Cambridge, Astronomer Royal

19th June

Mutational processes in the human genome

Dr Serena Nik-Zainal

Wellcome Trust Intermediate Clinical Fellow & CDF Group Leader, Cancer Genome Project, Sanger Institute

VISITS Visits are restricted to members and numbers are limited.

Monday 16th January (afternoon)

Airbus Defence & Space, Stevenage

European Space Consortium’s Mars exploration vehicle under construction.

Thursday 1st June (morning)

NIAB’s MacLeod Complex, Cambridge

Research facility, feeding into Eastern AgriTech Research Hub’s commercial scaling-up, to increase productivity and reduce crop wastage before produce reaches the processor and retailer.

Objectives of the Society



CSAR encourages an appreciation of the application of research through talks, visits and student bursaries, all with time for conversation and interaction, providing excellent opportunities to meet people, make new friends, expand horizons and network.

CSAR Key contacts

Programme Secretary: Andrew Shepherd andrew.shepherd@gmail.com

Visits: John Grieve john.grieve@cambridgevetgroup.co.uk

Outreach and Student Awards: Jane Baker csarscr@cam.ac.uk

Membership and Subscriptions: see website, or at a Lecture ask at the reception desk outside the lecture theatre, or contact our membership secretary, Barry Thompson - Tel: 01223 330 713, Email: barry.thompson@enterprise.cam.ac.uk

CSAR, c/o Churchill College, Storey’s Way, Cambridge, CB3 0DS.

www.csar.org.uk

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Cambridge Society for the Application of Research

PROGRAMME

2016-2017



LECTURES

Lectures are open to all (non-members are asked for a nominal fee of £3) and start at 7:30pm in the Wolfson Lecture Theatre of Churchill College, Storey's Way, CB3 0DS. Parking is available. Pre-talk Dining: a table in the college canteen welcomes those wishing to have dinner from 5:45pm. Complimentary Tea, Coffee and Biscuits are available from 7pm just outside the lecture theatre. Post-talk drinks: after talks many of us adjourn to the bar, usually joined by the speaker, providing a great chance for everyone to meet and discuss with great minds! Both bar and canteen accept cash.

17th October

Held jointly with the Cambridge Festival of Ideas

OK Computer – teaching machines to write music

Ed Newton-Rex, Founder and CEO at Jukedeck

24th October

The Larmor Lecture, held jointly with the Cambridge Philosophical Society

Nanostructured steel: the challenge of manufacture

Professor Sir Harry Bhadeshia FRS FREng FNAE, Department of Materials Science & Metallurgy, University of Cambridge

NOTE: This event starts at 6pm in the Bristol-Myers Squibb lecture theatre in the Department of Chemistry, Lensfield Road.

31st October

What shapes the human immune system

Dr Michelle Linterman, Babraham Institute and Churchill College, University of Cambridge

14th November

Big Data in Biology: Challenges and Opportunities for Health Care and Research

Dr Ewan Birney FRS FMedSci, European Bioinformatics Institute

28th November

Leonardo, Rapunzel and the Physics of Hair

Professor Raymond Goldstein FRS FInstP
Department of Applied Mathematics and Theoretical Physics and Churchill College, University of Cambridge

9th January

Held jointly with the Cambridge Philosophical Society

Manufacturing - the vital capability for effective innovation

Professor Sir Mike Gregory, Institute for Manufacturing, University of Cambridge

23rd January

Creating and erasing memories with epigenetics

Professor Wolf Reik FRS FMedSci
Babraham Institute, University of Cambridge

6th February

Black Holes at Work

Professor Andy Fabian OBE, FRS, Institute of Astronomy, University of Cambridge

20th February

Citizens, Science and Science for Citizens

Professor Dame Athene Donald DBE, FRS
Dept. of Physics, Churchill College, University of Cambridge

6th March

A trick of the light? Development, function and evolution of plant nanostructures that influence animal behaviour

Prof. Beverley Glover FLS
Dept. of Plant Sciences, University of Cambridge and Director of the Cambridge University Botanic Garden

20th March

Part of Cambridge Science Festival

Towards General Artificial Intelligence

Dr Demis Hassabis
Vice President of Engineering at Google DeepMind
