



Cambridge Society for the Application of Research

Churchill College  
Storey's Way  
Cambridge  
CB3 0DS

## **Sustainable Engineering and Design for the Built Environment**

**Professor Max Fordham, OBE, RDI, FREng, MA,  
FCIBSE, Hon FRIBA**

7.30pm, Monday 20<sup>th</sup> June, 2016  
**NB Venue** Sackler Lecture Theatre,  
Institute of Astronomy (Hoyle Building)  
Madingley Road, CB3 0HA

### **The Lecture: Professor Max Fordham writes:**

The System for Sustainable Engineering Design extends to the whole of Planet Earth.

Boundaries for Planet Earth include humankind as it has evolved. The system is a thermodynamic one in terms of our need to design in a sustainable way for its future.

This lecture aims to provide food for thought regarding the vision required for future sustainable engineering design for the built environment.

**About the Speaker: Max Fordham** OBE, MA(Cantab) FREng FCIBSE  
Hon FRIBA, Past President CIBSE, CIBSE gold Medal

Max Fordham pioneered environmental design and engineering for buildings. Fifty years ago he started with an idea about how engineers could bring scientific knowledge into the art of building design. He developed his skills in what were then considered new ways of designing services engineering to test his idea. Invention, innovation and success followed.

Max Fordham founded his practice in 1966. Starting from a room at home, he pursued a new approach to engineering practice based on his own insatiable curiosity about how buildings work. He resisted pigeonholing into the conventional boxes of engineering; mechanical or electrical. He was always interested in the whole building, taking a creative but essentially practical approach to building services design, starting "with the edge of the universe as its boundary and then quickly narrowing down to the specific problem".

Max has won significant and varied recognition for his work to ensure that achieving human comfort by giving buildings heat, power, water and ventilation in a sustainable way is integral to building design and not a barrier.

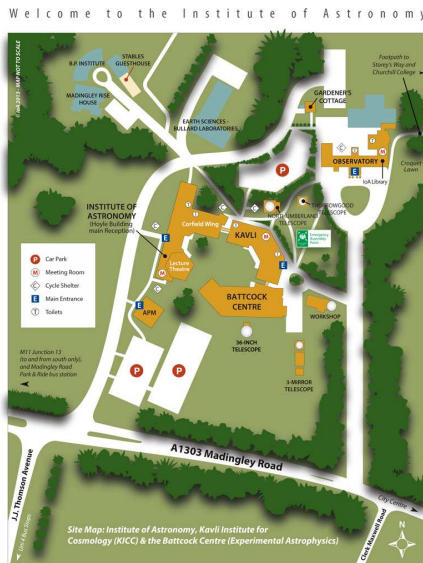
He is Visiting Professor in Building & Design at the University of Bath, Fellow of the Chartered Institution of Building Services Engineers (CIBSE) and Royal Academy of Engineering, and Honorary Fellow of the RIBA.

In 2008 Max was honoured with the Prince Philip Designers Prize by the RSA, recognised as “a pioneer of environmental design for buildings”. In 2006 he was voted into the inaugural Building Hall of Fame, a list of 40 people who have had the most positive significant impact on the UK construction industry in the last 40 years. In 2013 he was named one of Building Design magazine’s Top 10 Green Pioneers.

Max was on the judging panel for the RIBA Stirling Prize in 2005. In 1997 he was awarded the Gold Medal of the CIBSE for his contribution to engineering and was President of the Institution from May 2001 to May 2002.

- 2008 Awarded Prince Philip Designers Prize by The Royal Society of Art
- 2006 Voted into inaugural Building Hall of Fame
- 2005 Member of judging panel RIBA Stirling prize.
- 2004 The Queen’s Award for Enterprise: Sustainable Development
- 2001 President of the Chartered Institution of Building Services Engineers for one year.
- 1997 Awarded the Gold Medal for CIBSE
- 1994 Honoured with an Order of the British Empire for services to engineering

## Practical Matters



CSAR lectures are open to all;

CSAR members are admitted free.

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

Non-members are asked to make a nominal contribution of £3.00.

Coffee and biscuits are available in the Sackler Lecture Theatre Foyer from around 7pm. For further directions, see:  
[http://www.ast.cam.ac.uk/sites/default/files/assets/images/IoA\\_sitemap.jpg](http://www.ast.cam.ac.uk/sites/default/files/assets/images/IoA_sitemap.jpg)

Attendees are welcome to dine in the Hall at Churchill College (self-service, 5.45-7.15 pm), and to have snacks and refreshments in the College Buttery before and after events.

**Microsoft Research** CSAR is very grateful to Microsoft Research for sponsorship of CSAR lectures and student awards