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WEST HUB  
RESEARCH  
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CLIMATE  
CHANGE

Wednesday, 24th APRIL 2024

Sponsors and Collaborators:





## **Professor Lord Martin Rees**

Astronomer Royal

Co-founder of Centre for the Study of Existential Risk

Emer. Prof. of Cosmology & Astrophysics, Cambridge

Fellow and 38th Master of Trinity College, Cambridge

Author of 'If Science is to Save Us' and 10 other books

60th President of the Royal Society

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1

**AI Apocalypse: How to Feed Robots Before They Cook the Climate** Elizabeth Barsotti, MRC Laboratory of Molecular Biology.

2

**Predictions of Future Ozone Exceedance Days in Europe under Climate Change** Xingpei Ye, Department of Chemistry.



3

**Janus face: Just transition and the right to development** Dr Kennedy Mbeva, Centre for the Study of Existential Risk (CSER).



4

**Integrating Emerging Technologies with Traditional Industries for Climate Change Mitigation: A System Analysis Approach** Zhimian Hao, Department of Chemical Engineering and Biotechnology.



5

**Spray mechanism development for marine cloud brightening** Dante McGrath,  
Department of Engineering



6

**Complexity in action: An exploration of domestic building Energy Performance Certificates data for London from a complexity science lens** Cuicheng Zhang,  
Department of Architecture



7

**Using deep-sea mud to extend the instrumental record of the Atlantic Meridional Overturning Circulation** Dr Aidan Starr,  
Department of Geography



8

**Computational modelling to explore socio-economic processes in sustainable food system adoption** Simon Carrignon, McDonald  
Institute for Archaeological Research

A

**Predicting future environmental suitability of reefs via machine learning to optimise long-term efficacy of conservation efforts** Orlando Timmerman, Department of Earth Sciences

B

**Health Impact of Climate Change: A Case Study of Karamoja in Eastern Uganda** Ronnie Aisu, Mariestopes Uganda

C

**Assessing the Impact of Societal Perception on Controversial CDR Technologies: Insights from the DICE Model** Haiming Luo, Department of Earth Sciences

D

**Low Carbon Public Procurement in the Asia Pacific Region** Jellie Molino, Center for Climate Change Engagement





E

**Developing Tools to Expedite Soybean Breeding**

Chiara Di Dio, Crop Science Centre - Department of Plant Sciences

F

**How can cities develop holistic physical infrastructure interventions to reduce climate-health risks?**

Maria Ikonomova, Department of Engineering



G

**IMitigating risk of credit reversal in nature-based climate solutions by optimally anticipating carbon release**

E-Ping Rau, Department of Plant Sciences



H

**Germplasm screening for enhancing heat tolerance in model and crop plants**

Lovely Mae Lawas, Crop Science Centre - Department of Plant Sciences



WEST HUB  
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# Location & Contacts

Address: West Hub, JJ Thomson Avenue,  
Cambridge, CB3 0US



Event location: West Hub, 1st Floor, East 1 room.  
Direction will be available upon arrival.

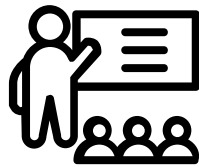
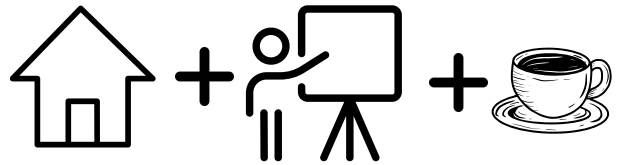
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West Hub, Information Desk  
Library and Events teams 9am-5pm  
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01223762725



**11:30** **RECEPTION  
& POSTERS**

Welcome &  
Exploring



**TALKS**

**12:00**

Keynote &  
Lightning Talks

**13:30** **POSTERS  
& LUNCH**

Lunch & Posters



**PRIZES  
& SOCIAL**

**14:00**



**CLIMATE CHANGE  
WEDNESDAY, 24TH APRIL 2024**