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Presents

WEST HUB
RESEARCH
CAFÉ

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

Visit www.martinrees.uk.



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 Earth Sciences

F

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

Maria Ikonomova, Department of Engineering



G

Mitigating 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, Easter 1 room.
Direction will be available upon arrival.

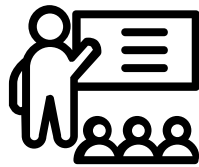
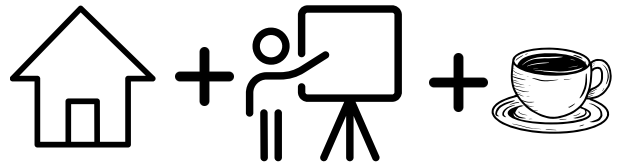
Do you need help or information?

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



11:30 **RECEPTION
& POSTERS**

Welcome &
Exploring



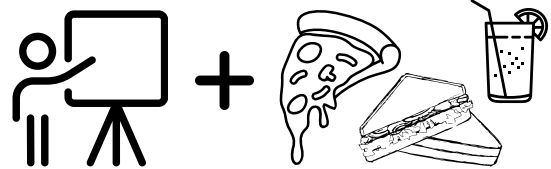
TALKS

12:00

Keynote &
Lightning Talks

13:30 **POSTERS
& LUNCH**

Lunch & Posters



**PRIZES
& SOCIAL**

14:00

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