AI for Science Summit

Tuesday 9 December 2025

9:45   **Registration**

10:30   **Welcome and introduction**
Professor Neil Lawrence and Jessica Montgomery, University of Cambridge

10:45   *Interpretability Across Contexts: Towards Actionable Generalization*
Professor Finale Doshi-Velez, Harvard University

11:30   **Coffee break**

12:00   **Short talks**

- *Critical Appraisal of Machine Learning Models in Healthcare*
Dr Lekaashree Rambabu, University of Cambridge
- *The diffusion of successive waves of artificial intelligence concepts among researchers*
Dr Hongyu Zhou, University of Cambridge
- *Remember to "forget": overcoming the ill conditioned inverse problem in chaos by information theory*
Dr Lloyd Fung, Imperial College London

12:45   **Lunch and poster session**

13:55   **Welcome back and introduction to afternoon session**

14:00   *OpenBind and Beyond: The AI Revolution in Research and Our Shared Responsibility*
Professor Charlotte Deane MBE, University of Oxford

14:30   **Short talks**

- *aICU - Developing Safe Decision Support Tools for Intensive Care*
Dr Villiam Kildal, Karolinska Institute
- *Machine learning models guide viral discovery in museum bat collections*
Maya Juman, University of Cambridge
- *AI-driven microscopy: advancing mass photometry for protein interaction studies*
Dr Jan Christoph Thiele, University of Oxford

15:15   **Coffee**

16:00   *Machine Learning Weather Prediction: from the quiet to the noisy revolution*
Dr David Walters, Met Office

16:30   **Fireside Chat -** *AI for Weather Prediction*

- Professor Richard Turner, University of Cambridge
- Dr David Walters, Met Office

17:00   **Panel discussion -** *From Aspiration to Action: Delivering AI for Science at Cambridge*

- Professor Mateja Jamnik, University of Cambridge
- Dr Ian Lane, Partner, Cambridge Innovation Capital
- Professor Anil Madhavapeddy, University of Cambridge
- Dr Sarah Morgan, King's College London
- Dr Arfon Smith, Senior Fellow, Schmidt Sciences

17:45   **Close of session**

18:00   **Drinks Reception and Dinner for registered participants**

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