

# Harnessing Exascale Computing and Scalable AI for Societal Impact



**Wednesday, 17 June 2026 - Thursday, 18 June 2026**

**Daresbury Laboratories**

## Programme

## **Welcome**

## **Policies and strategic views**

Policymakers and strategists from the UK and US explore HPC and AI priorities, sharing their national visions and examining the evolving transatlantic computing landscape.

## **View from the Trenches**

From the frontlines of leadership computing: practitioners share hard-won insights on the real-world technical, operational, and strategic challenges of running HPC at the highest levels.

## **Why compute and AI at scale matter:**

Exploring how large-scale compute and AI unlock transformative capabilities for businesses and public sector organisations, from operational efficiency to breakthrough discovery.

## **Advanced manufacturing**

How HPC and AI are driving innovation across advanced manufacturing, battery technology, transport, autonomous laboratories, and the complex systems underpinning Smart Cities.

## **Exploring the Computing Continuum**

From edge to exascale: examining how compute resources across the full continuum work together to power modern AI and data-driven workloads.

## **Accelerating Discovery: Materials and Life Sciences**

How advanced computing is speeding up breakthroughs in materials science and life sciences, from molecular simulation to drug discovery.

## **Computational Challenges for federated services**

Tackling the technical and governance challenges of delivering compute, data, and services across federated facilities and distributed environments.

## **Panel Discussion**

Bringing together the day's themes to examine how the HPC and AI community can collectively tackle its most pressing challenges.