

# Brunel Research Showcase Programme

4 June 2026

Events Team  
Brunel University of London  
Kingston Lane  
Uxbridge  
UB8 3PH  
events@brunel.ac.uk  
<https://tinyurl.com/2vu8r879>

# Event Programme

## Overview/General Information

We offer a varied programme of activities in our Eastern Gateway Building and around campus.

We would love to welcome you for the whole day (9.30am – 8pm); do feel free to pop in and out according to your availability.

### Venues:

Eastern Gateway Auditorium

Eastern Gateway, Beldam

Eastern Gateway Atrium

Eastern Gateway, 003/003a (behind café): Poster Exhibition

Tours and visits to facilities around campus: Meeting point Eastern Gateway Atrium

At many times of day, you will have a choice between multiple activities, so please ensure that you view the entire schedule.

Arrival and refreshments is from 9.30am (and 6pm for evening-only tickets). We will be happy to welcome you at whatever time you are able to arrive.

The programme is subject to change. Last updated 2/6/26.



Visitor Wi-Fi is available: [Visitor@brunel](mailto:Visitor@brunel)



Tea and coffee will be served in the atrium, at intervals through the day – our coffee shop will also be open.



Please be informed that our event will be documented through photography and videography. By attending, you consent to potentially being included in promotional materials. If you wish to opt-out and not be featured, please inform our event staff/photographer and avoid being close to the cameras. Thank you for your cooperation



Booking remains open – please book your place if you have not done so already.  
<https://tinyurl.com/2vu8r879>

## Eastern Gateway Auditorium

### 9.45am Showcase Opening

Professor Akram Khan, Professor in Experimental Particle Physics, will open the Showcase, highlighting the key activities of the day.

### 10am – 10.45am Panel Discussion *The Art and Science of Ageing Well: Health, Happiness and Humanity*

Discover fresh perspectives on living well throughout life, as Brunel's interdisciplinary researchers explore the art and science of ageing. This public panel delves into the connections between health, happiness and humanity, offering insights from across the biological and social sciences to inspire richer, meaningful and more resilient ageing.

Brought to you by the Health, Ageing and Wellbeing Challenge area led by Professor Louise Mansfield (Professor of Sport, Health and Social Sciences).

**Chair** Professor Felicity Gavins (Professor of Pharmacology and Royal Society Wolfson Fellow)

#### **Panellists:**

Dr Adam Bruton, Senior Lecturer in Sport and Performance Psychology

Dr Byron Creese, Senior Lecturer Psychology

Dr Michelle Sahai, Lecturer Biosciences

Professor Christina Victor, Professor of Gerontology

### 11am – 11.45am Lecture: *Advanced Materials and Manufacturing for a Circular Industrial Future*

#### **Professor Isaac Chang, Brunel Centre for Advanced Solidification Technology (BCAST)**

With growing resource scarcity and rising environmental impacts from traditional manufacturing, there is an urgent need to rethink how materials are produced, used, and recovered in a more sustainable, circular way. This talk explores how cutting-edge research in advanced materials and manufacturing is helping to build a more circular industrial future. It highlights innovative approaches to recycling aluminium from scraps and transforming industrial wastes into high-performance alloys for next-generation applications. The presentation also introduces emerging repair technologies that can "heal" defects in used metal components, extending their lifespan and reducing the need for new raw materials. Together, these approaches demonstrate how science and engineering can reduce waste, conserve resources, and reshape modern industry for a more sustainable future.

### 12pm – 1pm Panel Discussion: *The Future with AI* ([livestream available](#))

The genie is out of the bottle. AI is all-pervasive and it's reshaping operating models, the work people perform, social interactions and ways in which citizens relate to one another. Investment continues unabated, yet many governments still struggle to regulate an industry that commands vast resources, has huge environmental impact and significant influence. Add a geopolitical backdrop marked by uncertainty and a winner-takes-all mindset, and there has never been a more important moment to look ahead and ask: where is AI taking us?

**Chair:** Prof Ashley Braganza, Professor in Business Transformation, Brunel University of London; Creator & Host, The AI Adoption Podcast

#### **Panellists:**

Zahra Bahralouloumi CBE, President & Chief Executive Officer, Salesforce UKI

Lord Tim Clement-Jones, LibDem Lords spokesperson for Science, Innovation & Technology; Co-Chair/Co-founder of APPG AI

Alex Dalman, Managing Partner, faith

Janusz Mareki, CEO & Co-Founder, Fractal Brain; AI Partner, Ahren

Maggie Sarfo, CEO, Meres Consulting

Read more: <https://tinyurl.com/53532fx8>

**1pm-2pm Light lunch** in room 003/003a (behind the café)

**2pm – 2.45pm Talks: *Environment, Sustainability & Circular Economy***

There will be two talks highlighting cutting-edge research at Brunel. The session will be introduced by Professor Maria Kolokotroni, Environment, Sustainability and Circular Economy Challenge Area.

**1. Reimagining the Carbon Footprint**

Prof Xiangming Zhou on Reimagining the Carbon Footprint, Sustainability, and Circularity of the Cement and Concrete Industry through Research and Innovation.

**2. Sustainability and Circular Economy**

Dr Eleni Iacovidou on Sustainability and Circular Economy focussing on Sustainable Solutions for Resource and Waste Management.

**3pm Interactive session: *Weapons of Mass Persuasion***

The Challenge Area of Creative Secure Connected Communities is pleased to present a session entitled 'Weapons of Mass Persuasion'. This interactive session will examine meaning-making and effective communication in an era increasingly defined by false information deliberately spread to deceive or manipulate others. Following the interactive exercise, our expert panellists will give their thoughts and respond to the exercise.

**Chair:** Dr Shona Koren Paterson

**Panellists:**

Dr Rebecca Sear (Director of the Centre for Culture and Evolution)

Antonin Atger (Doctoral Researcher in Social Psychology)

Angeliki Martinou (Doctoral Researcher in Intelligence)

Hannah Mays (Doctoral Researcher in Cyberpsychology)

**4pm Tours/demos/visits**

During this break in the schedule, why not take the opportunity to view posters in room 003/003a, demos and exhibits in the Atrium or join a tour or visit. Tea and Coffee will be available.

**5.15pm – 6pm Panel Session *Decarbonisation and Digitalisation of future Energy and Power systems in the UK***

This panel session (45 mins) is planned to introduce the ongoing Decarbonisation and Digitalisation of future Energy and Power systems in the UK.

**Presenters** (12-15 mins each):

1. Prof Gareth Taylor, Energy and Power Research Challenge Area Lead, Brunel University of London

**Introduction** and overview of **Energy and Power Research Challenge Area** focussing on Decarbonisation and Digitalisation of future Energy and Power systems in the UK.

2. Laura Schade, Department of Energy Security and Net Zero (DESNZ)

**Introduction to DESNZ** and overview of evidence gathering for informing UK government policy around digitalisation/AI for Energy Security and Net Zero.

3. Prof Gareth Taylor, Brunel University of London

**Overview of National Energy System Operator (NESO)** innovation activities including Virtual Energy System and related Data Sharing Infrastructure (DSI) governance and leadership

## Eastern Gateway Auditorium – Evening debate

### **6.30pm Panel debate: *Zeroing in on Net Zero***

**Panel Chair:** Professor Sarita Malik

**Panellists:**

Dr Gareth Dale

Professor Gareth Taylor

Dr Shona Koren Paterson

Panellists will have a broad range of expertise and perspective, including both social and physical sciences. They will have a broad reaching debate.

- What is Net Zero? Is it achievable?
- Who in our global society are the winners and losers as we strive towards Net Zero?
- What about Climate Change impacts and mitigations?

They may challenge each other and the audience to re-evaluate beliefs and assumptions.

The panel will discuss a selection of questions submitted in advance.

## Eastern Gateway, Beldam – Parallel Sessions

**11am - 1pm (In-person with option to join remotely)**

### **Catalysing Change in Jordan: Insights from the Doing Good, Growing Strong Project**

Centre for Entrepreneurship and Sustainability (CES)

**Description:** Social impact and social innovation in Jordan are deeply embedded in long-standing traditions of solidarity, faith-based giving, and mutual support that structure everyday social life. Across family, tribal, neighbourhood, and religious networks, indigenous practices of cooperation have historically provided mechanisms for social welfare, resilience, and collective responsibility, long before the emergence of formal development or social entrepreneurship frameworks.

In this seminar, researchers from the *Doing Good, Growing Strong* project will discuss whether the Social and Solidarity Economy (SSE) offers a forward-looking and locally grounded pathway for social impact in Jordan, with particular attention to power, legitimacy, and the recognition of indigenous systems of cooperation.

**Format:** 3 presentations each of 30 minutes + 20 minutes Q&A

**CES introduction:** 11:00-11:10 Marios Samdanis

**Presentation 1:** 11:10-11:40 Reclaiming Development from Within: Social and Solidarity Economy in Jordan, Farah Al Taji

**Presentation 2:** 11:40-12:10 Driving social innovation performance in Jordanian social enterprises: A contingent analysis of directors' exposure, Awele Achi

**Presentation 3:** 12:10-12:40 From entrepreneurial persistence to social enterprise performance: Evidence from Jordan, Ibrahim Al-Jubari

**Q&A:** 12:40 – 13:00

Online [session link](#) (MS Teams). Please ensure your microphone and camera are switched off.

**1pm-2pm Light lunch in room 003/003a (behind the café)**

**2pm – 3pm**

### **HiQuu: Real-Time Multisensory Access Infrastructure for Live Experience**

A live performance and real-time audience experience demonstrating HiQuu®, a patent-pending, creator-led multisensory infrastructure that delivers adaptive, personalised sensory cues and live content warnings as events unfold. HiQuu enables more people to access the same moment through the sensory pathway that works best for them, reframing access and inclusion as a core layer of live experience rather than an add-on.

First demonstrated in live performance context within the debut of the opera *Of Earth and Quill* at Cockpit Theatre (*Tête à Tête: The Opera Festival*, October 2025), HiQuu is continuing to evolve through audience feedback and real-world application.

This experience combines live voice (singing and reading), composed audio, a supporting visual layer and a real-time audience interaction via personal devices, allowing attendees to actively experience how access, inclusion and personalisation can operate simultaneously within a shared live environment.

Wi-Fi connection needed.

**4pm Tours/demos/visits**

During this break in the schedule, why not take the opportunity to view posters in room 003/003a, demos and exhibits in the Atrium or join a tour or visit. Tea and Coffee will be available.

## Eastern Gateway Atrium

**9.30am** Arrival and Registration

**Demos and exhibits – drop in and enjoy any time during the day.**

### **Brunel Hydrogen**

Hydrogen combustion engine (outside); Model of very high efficiency hydrogen combustion engine; Tabletop demo of hydrogen production by electrolysis; Brunel Hydrogen Arts - Film and Music. 9 Minute Sci fi film; CPD Taster videos; Comparison of combustion engine exhausts hydrogen versus petrol and diesel; Table-top Scanning Electron Microscope

### **Spot the AI Dog**

Come and meet Spot!

**Tours – Sign up on the day. Places may be limited.**

*Minimum age 18, unless specified otherwise. Where needed, PPE will be issued (e.g. lab coats).*

<b>Activity</b>	<b>Timing</b>	<b>Notes</b>
<p><b>Biosciences Imaging Suite</b> A tour of some of Brunel's bioscience laboratories in Heinz Wolff, which support cutting-edge research aimed at understanding disease and improving human health. The tour will focus on the bioimaging suite, a multi-user platform for fluorescence microscopy used to visualise cellular processes such as cell migration (cancer studies), and intracellular structures such as chromosomes (genetic diseases and ageing).</p>	<p>10am, 11am – Duration approx. 40 minutes, including walking to and from the location</p>	<p>Max group size: 8 1<sup>st</sup> floor – please let us know if you need lift access.</p>
<p><b>Mock Criminal Trial</b> Come to our Moot Court in nearby Elliott Jacques Building (room081) for a mock ABH trial. Watch as our law students prepare, the trial takes place, deliberation and then sentencing. Drop in and out as you wish. A student ambassador will escort you or direct you to the building.</p>	<p><b>10am-1pm (drop-in)</b></p>	<p>Maximum capacity at any time – 20  Building location: <a href="https://w3w.co/mostly.cabin.making">https://w3w.co/mostly.cabin.making</a></p>
<p><b>Brunel Hydrogen</b> Lab visit</p>	<p>10.30am, 11.30am, 1.30pm, 2.30pm. 40-minute duration</p>	<p>Must be able to walk across campus (c10 minutes) and unfortunately there is not wheelchair access.</p>
<p><b>River Walk and Talk</b> Explore biodiversity, flood risk and more as we walk along the river through the Brunel campus</p>	<p>11am (up to 1hr duration)</p>	<p>There may be some rough ground.</p>

Activity	Timing	Notes
<b>Ageing Research Lab</b>	11am, 4pm (45 minutes)	Located in the adjacent building, on the ground floor
<b>BioAnnex</b> facility tours	12pm, 2pm, 4pm (Up to an hour)	Small groups, max 7 people
<p><b>Know Your Brain!</b></p> <p>This tour will take you to a range of cutting-edge laboratories with activities that are designed to highlight our current research and spark conversation about</p> <ul style="list-style-type: none"> <li>• boosting our brain power</li> <li>• the brain's view of food</li> <li>• dealing with danger</li> <li>• understanding emotions and decision-making through the analysis of eye movements.</li> </ul> <p>Brought to you by Dr Julio Rodriguez Larios, Dr Satyam Chauhan, Dr Terry Dovey and Prof Veena Kumari from the Research Centre for Cognitive and Clinical Neuroscience.</p>	<p>2pm, 4pm</p> <p>90-minute duration</p>	<p>1<sup>st</sup> floor – please let us know if you need lift access.</p>
<p><b>Experimental Techniques Centre</b></p> <p><a href="#">Experimental Techniques Centre   Brunel University of London</a></p>	<p>3pm – 30 – 40 minutes</p>	
<p><b>Virtual Reality Cycle training</b></p> <p>Dr Dan Bishop</p>	<p>12pm</p>	
<p><b>Biomechanics and Sport &amp; Exercise Psychology Laboratories</b></p> <p>Dr Aliah Shaheen and Dr Adam Bruton</p>	<p>Timing TBC</p>	
<p><b>Green Trail Tours</b></p> <p>The tours will present and highlight key aspects of the Green Trail from an Energy and Power perspective across the main campus.</p>	<p>10.15am, 2.15pm</p> <p>Duration 30 minutes</p>	<p>Maximum group size 12</p>
<p><b>Visit to the Centre for Genome Engineering and Maintenance (CENGEM)</b></p> <p>Dr Sibylle Ermler</p>	<p>12pm, 2pm</p> <p>Duration 1 hr</p>	<p>1<sup>st</sup> floor – please let us know if you need lift access.</p> <p>Maximum group size 20.</p>
<p><b>60 Faces of Brunel</b> is a tribute to the individuals who make Brunel University of London what it is today, offering a moment to recognise their contribution as we mark 60 years of Brunel. No registration required, just drop-in anytime between its opening on 5th May until 11 December. The exhibition is open from Monday – Friday 9.30am – 4pm.</p> <p>If you don't have time today, why not come back another day?</p>		

**Tour – For those signed up in advance**

**12pm-1pm** (Meet at 11.55am)

Brunel Centre for Advanced Solidification (BCAST). [Brunel Centre for Advanced Solidification Technology | Brunel University of London](#)

**\*\*For health and safety reasons, only pre-booked attendees are permitted to attend this tour and must adhere to the dress code\*\***

**wear fully covered shoes**

**no shorts**

**no skirts**

**no dresses**

PPE will be issued on arrival at the location.



Tea and coffee will be served in the atrium, at intervals through the day – our coffee shop will also be open during the day.

**7.30pm** Drinks reception, with light nibbles. A networking opportunity.

**8pm** Close.

## Eastern Gateway, Room 003/003a

**9.30am – 6.30pm** (drop-in any time)

### Poster exhibition

Researchers from across the broad spectrum of challenge-led research at Brunel have prepared posters to give a snapshot of their work. Come and be impressed by cutting edge research, tackling many of the world's greatest challenges.

### '3MT-Lite' Videos (drop in any time)

We held a competition, where we invited video submissions from our doctoral researchers and others early in their academic career. We have chosen the very best of these and we are sure you will be as impressed as we are! Around 10 videos will be shown on a rolling loop throughout the day, highlighting how Brunel's newest researchers are tackling some of society's biggest challenges.

Name	Title of video
Bockarie Samai	Hydraulic Performance of Permeable Pavement System Applicable to Sustainable Drainage Systems
Helen Williams	Unfinished Business: narrative techniques used to represent relationships between university-educated mothers and daughters in contemporary fiction.
Ida Colella	Pricing Climate Risk
Joanne Moscalu	Lived Experience of Binge Eating Disorder in Ireland
Josephine Ayebare	E-participation For Inclusive Governance in Rural Uganda: A Participatory Model and Prototype Requirements
Lorraine Groves	Designing Digital Wellbeing Support for "Someone Like Me"
Oneeba Ahmed	Robotic Control to Prevent Trauma in Cochlear Implant Surgery.
Udita Bose	Ideas and practices of pollution: Menstrual experiences of Dalit girls in a Kolkata habitation
Yamama Shakaa	Enhancing Educational Assessment with Multi-Agent AI Systems

**1pm – 2pm**

### Poster Power hour

Come and meet our researchers who will be standing with their posters, keen to discuss and explain their research. Researchers at all career stages will be represented. We are especially delighted to be showcasing the talent of a new generation of researchers, our doctoral researchers (aka PhD students).

A light lunch will be available.