

Brunel Research Showcase Programme

4 June 2026

Events Team
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<https://tinyurl.com/2vu8r879>

Event Programme

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

If you have not already done so, please book your place: <https://tinyurl.com/2vu8r879>

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 registration 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.



Visitor Wi-Fi is available: Visitor@brunel

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)

Panel Members

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 The AI Adoption Podcast Panel

The AI Adoption Podcast is where cutting-edge artificial intelligence meets real-world relevance. An approachable take on some of the most complex topics in AI. An in-depth conversation with leading AI experts, with different perspectives. You can expect a balanced and lively discussion.

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

2pm – 2.45pm Environment, Sustainability & Circular Economy

There will be two talks highlighting cutting-edge research at Brunel.

1. Sustainability and Circular Economy

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

2. 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.

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.

Confirmed panellists:

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

Antonin Atger (Doctoral Researcher in social psychology)

Panellist awaiting confirmation:

Representative: Brunel Centre for Intelligence and Security

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. Jonathan Barcroft TBA, National Energy System Operator (NESO)

Introduction to NESO and overview of innovation activities including Virtual Energy System and related Data sharing Infrastructure governance and leadership

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

Panel Chair: Professor Sarita Malik

Panellists: Professor Gareth Dale, Professor Gareth Taylor

Further Panellists to be confirmed.

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

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

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.

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

A hydrogen fuelled vehicle and a refill truck will be on display, along with a hydrogen powered motor. There will be a demonstration of hydrogen generation, along with a desktop Scanning Electron Microscope.

3MT-Lite

Our Doctoral Researchers present their research via 3 minute professionally recorded videos. These videos are an inspiring snapshot of Brunel's Research excellence.

Spot the AI Dog

Come and meet Spot!

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

Minimum age 18, unless specified otherwise.

Brunel Hydrogen Lab visit	11am, 12pm. 35-minute duration	Must be able to walk across campus (c10 minutes) and unfortunately there is not wheelchair access.
Virtual Reality Cycle training	Time TBC	
River Walk and Talk Explore biodiversity, flood risk and more as we walk along the river through the Brunel campus	11am (up to 1hr duration)	There may be some rough ground.
Ageing Research Lab	11am, 4pm (45 minutes)	Located in the adjacent building, on the ground floor
Know Your Brain! 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 <ul style="list-style-type: none"> • boosting our brain power • the brain's view of food • dealing with danger • understanding emotions and decision-making through the analysis of eye movements. Brought to you by Dr Julio Rodriguez Larios, Dr Satyam Chauhan, Dr Terry Dovey and Prof Veena Kumari	2pm, 4pm 90-minute duration	1 st floor – please let us know if you need lift access.

from the Research Centre for Cognitive and Clinical Neuroscience.		
BioAnnex facility tours	12pm, 2pm, 4pm (Up to an hour)	Small groups, max 7 people
Biosciences Imaging Suite 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).	Timings TBC – Duration approx. 40 minutes, including walking to and from the location	

Tour – sign 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.

Mock Criminal Trial 10am-1pm (drop-in)

Come to our Moot Court in nearby Elliott Jacques Building 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.

Building location: <https://w3w.co/mostly.cabin.making>

(Max capacity 20)

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

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.

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.