



HAMMAR Southwest Technical Briefing Day

Date: **Thursday 18th July 2024.**

Venue: Room 2.2, Building 3 East, University of Bath, Dept. Architecture & Civil Engineering Dept. Bath, BA2 7AY



<https://www.bath.ac.uk/>

Organiser: HAMMAR Southwest Committee*

(*Julian Ransom, Stephanie Lloyd-Foxe, Stephen Chalmers, Steven Coles).

NZC/ Retro-Fit Themed Programme:	
09:30 – 09.55	Arrival and coffee/ biscuits. *Arrive in good time for ease of parking
09.55 – 10.00	Welcome/ Housekeeping. Chair and the HAMMAR Southwest Committee.
10.00 – 10.40	The Net Zero Essentials. The role of smart technology, integrated HP, Solar Voltaic, & EV in the NZC home. Zero energy design & the need for revised distribution networks in the UK. Nigel Banks, Low Carbon Homes Dir. - Octopus Energy.
10.40 – 11.10	Welcome to research in Architecture and Civil Engineering, University of Bath An overview of innovative construction materials research & work, then introduction to the ‘Transforming Homes’ project aims and objectives. Prof. Pete Walker – University of Bath.
11.10 – 11.40	‘Transforming Homes’ Low Carbon Retro-fit project. Social Housing retrofit pilot project; a collaboration Bath, Exeter, Cardiff & Bristol Universities. Briefing, demonstrators + progress to date. Dr Rob Grover, Emma Taylor, Dr Francis Moran – University of Bath.
11.40 – 11.50	Comfort Break.
11.50 – 12.45	Guided Tour of University of Bath Architecture & Civil Engineering Dept. Workshops & studio space, Technical and Materials Testing Laboratories and the ‘BaleHaus’ zero carbon innovative two-storey straw building, ‘ModCell’ - pre-fab. straw bale/hemp.
12.45 – 13.15	Buffet Lunch and Networking.
13.15 – 13.35	Topical Update - social housing/ related sector activity + legislation update. Andrew Burke for the National Housing Maintenance Forum.
13.35 – 14.15	Data driven retrofit – Demonstrating the importance of data in achieving net zero carbon and futureproofing through climate adaptation. Why is data important? Types of data streams in retrofit, property passports, using multiple data sources in making well informed decisions. Gemma Brookes - Energy Strategy Mngr/Retrofit Coordinator Orbit Housing.
14:15 – 14:55	Heat Networks; their role in heat decarbonisation & housing providers becoming energy companies as part of the transition to net zero. Will Routh – Director & Co-Founder, Chirpy Heat.

14.55 – 15.10	Coffee/ Tea/ Pastries + comfort break.
15.10 – 15.45	Climate-related overheating in UK housing: The realities of increased heat in the UK, cooling demand and future proofing the housing stock. Dr Louise King, University of Bath. Research Associate, Centre for Climate Change and Social Transformations (CAST).
15.45 – 15.55	NHMF Net Zero Study Tour 2024 briefing - Sweden trip a brief report. Julian Ransom (ion-consultants) for NHMF Man. Committee.
15.55 – 16.10	Topical Subject Suggestions – open to the floor.
	Complete/ hand in feedback forms. <i>Safe journey home.</i>



Address:

Room 2.2, Building 3 East

The University of Bath
Claverton Down,
Bath,
BA2 7AY

Directions & Transport Links

Site Map:

The following campus map shows parking, buildings and department locations.

Campus Map: <https://www.bath.ac.uk/publications/claverton-down-campus-map/attachments/university-campus-map.pdf>

Our Seminars will be held in **Room 2.2 of Building 3 East:**

<https://www.bath.ac.uk/locations/3-east/>



Refreshments in the Foyer upon arrival.

Parking

Please use our car parks when parking at the University. Due to strict restrictions, we advise you not to park on residential streets around the campus.

Closest car park to the seminar venue is the **East car park:**

<https://www.bath.ac.uk/locations/east-car-park/>

Parking on campus will need to be paid for. The parking app needed to use to pay for parking is **JustPark**

Once on site, the campus will be busy with graduation, events etc, so please allow plenty of time on the morning to find a space.



The University of Bath encourage the use of public transport wherever possible:
<https://www.bath.ac.uk/topics/travel-advice/>

By Road

Sat Nav

If you are using a satnav, use 'Norwood Avenue, Bath', not 'Quarry Road', to get to the main entrance of the campus and visitor car parks.

City of Bath by Car

Travelling by car and parking in the city of Bath:

Traffic in and around Bath can become very congested, especially at peak commuter time and weekends.

Use an online planner to find the best option for driving to Bath.

- RAC routeplanner
- AA route planner
- Google maps
- Car parks

There are several city centre car parks. Limited, short-stay, on-street parking is also available and is Pay & Display.

Park and Ride

Park & Ride services to the city centre are also available in Newbridge, Lansdown, and Odd Down.

Bath's Clean Air Zone

From 15 March 2021, you might have to pay a daily charge to drive in Bath if your vehicle doesn't meet the required emission standards.

Accessibility

The University has done a major programme of works to improve access for people with disabilities. The campus map shows locations of wheelchair and accessible parking. For more detailed advice and information visit our accessible access guide.

By Train

There are frequent services from London, Bristol and South Wales to Bath Spa Railway station (BTH).

Visit nationalrail.co.uk or trainline.com for train timetables, fares and cheap advance tickets.

Coach and bus services

Visit National Express to plan journeys to Bath. There are frequent daily services between London Victoria, Heathrow Airport and Bath.

You can also plan journeys by bus and coach using Traveline South West.

Air travel

Bristol International Airport

Our nearest airport is Bristol International Airport.

The A4 Air Decker bus service will take you directly from the airport to Bath.

You can also catch the Bristol Flyer Airport Express from the airport to Bristol Temple Meads rail station to travel to Bath by train.

The University of Bath:



www.bath.ac.uk



The BaleHaus at Bath University.

A zero carbon innovative two-storey straw building, 'ModCell' - pre-fab. straw bale/hemp.

Please see link to information on the BaleHaus and studios we will be visiting on the day:

<https://www.bath.ac.uk/case-studies/bath-researchers-develop-houses-with-zero-carbon-footprint/>

<https://www.bath.ac.uk/departments/department-of-architecture-civil-engineering/>