

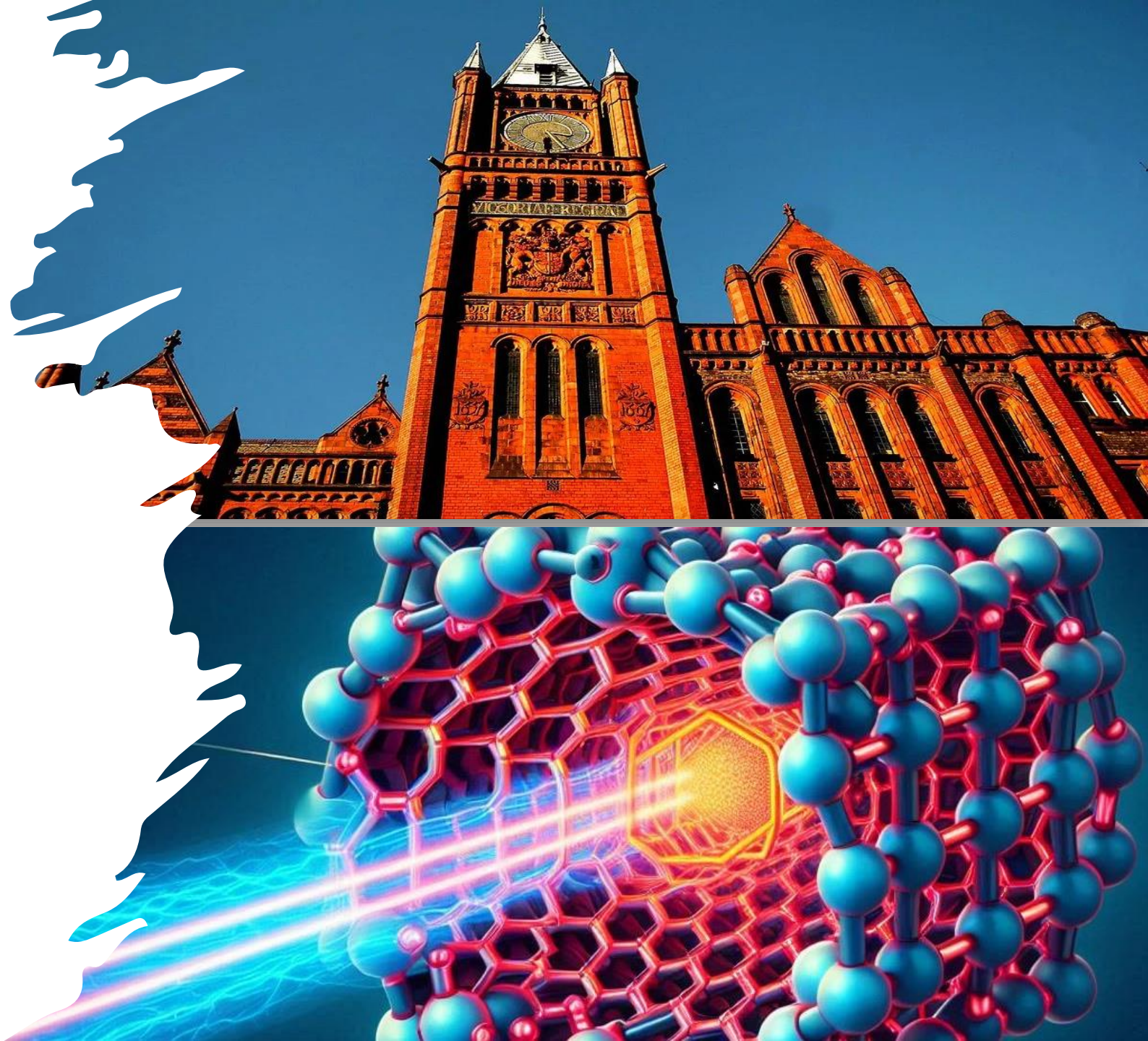


Practical information for the NanoAc workshop 2025

6 – 7 November 2025

Novotel Paddington Village

Liverpool, UK



Meeting Venue

Letitia Obeng meeting room

Novotel Paddington Village
3 Paddington Village, Grove St,
Liverpool L7 3FA

Building



Entrance



Overview of Activities

6 November:

Registration starts at 9:00

Talks start at 9:45

Dinner from 19:00

7 November:

Talks start at 9:30

Workshop concludes at 16:20

Please see [indico](#) for the full agenda.

Online meeting

The workshop will be available for online participation.

Day 1 : 6 November

[Zoom Link](#) and [agenda](#)

Meeting ID: 922 1034 9513

Passcode: ^\$1!QTZf

Join by SIP

- 92210349513@zoomcrc.com

Passcode: 85465952

Day 2 : 7 November

[Zoom Link](#) and [agenda](#)

Meeting ID: 954 5646 8502

Passcode: 7@J4#gsb

Join by SIP

- 95456468502@zoomcrc.com

Passcode: 36137674

3rd NanoAc Workshop 2025

6 - 7 November Liverpool



Timetable: Day 1

09:00	Registration	
	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	09:00 - 09:45
	Welcome	<i>Prof. Carsten Welsch</i>
	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	09:45 - 10:00
10:00	State-of-the-art of channeling of charged particles in crystals and nanostructures: Beam Channelling for Accelerator and Radiation Physics	<i>Prof. Sultan Dabagov</i>
	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	10:00 - 10:50
	40 years of development of plasma wakefield acceleration	<i>Prof. Guoxing Xia</i>
11:00	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	10:50 - 11:20
	Coffee break	
	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	11:20 - 11:40
	Interaction of high-intensity beam with structured solid surface plasma in relativistic regime	<i>Dr Bifeng Lei</i>
12:00	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	11:40 - 12:10
	Oriented crystals and nanostructures and their applications	<i>Dr Sytov Alexei</i>
	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	12:10 - 12:40

	Lunch	
13:00		
	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	12:40 - 14:00
14:00	Bright Radiation Sources Driven by Ultrafast High-Intensity Lasers and Applications	<i>Prof. Song Li</i>
	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	14:00 - 14:20
	Wakefield Excitation in Carbon Nanotubes and Graphene Layers: Hydrodynamic Approach and PIC Simulations	<i>Dr Pablo Martín-Luna</i>
	Fine-tuning objective functions for Bayesian optimization of LWFA-accelerated electrons in nanostructured CNT targets	<i>Prof. Alexandre Bonatto</i>
15:00	Coffee break	
	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	15:00 - 15:30
	Round table discussion: Theoretical, numerical and experimental potentials and opportunities	<i>Prof. Guoxing Xia</i>
	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	15:30 - 16:00
16:00	Invited talk	<i>Prof. Toshiki Tajima</i>
	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	16:00 - 16:50

3rd NanoAc Workshop 2025

6 - 7 November Liverpool



Timetable: Day 2

	The NanoAc Collaboration: Toward a Proof-of-Principle for Laser Wakefield Acceleration in Nanostructured Solid-State Plasma <i>Dr Javier Resta López</i>	
10:00	Current status of FEBE laser and experimental opportunities <i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	<i>Dr Lewis Reid</i> 10:00 - 10:30
	All-optical source size and emittance measurements of laser-accelerated electron beams <i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	<i>Dr Daniel Seipt</i> 10:30 - 11:00
11:00	Coffee break <i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	
	High-quality particle and radiation sources from laser peeler regime <i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	<i>Prof. Xiaofei Shen</i> 11:30 - 12:00
12:00	Laser-driven superior ion acceleration in relativistically transparent plasma via laser front steepening <i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	<i>Dr Bin Liu</i> 12:00 - 12:30
	Diagnostic techniques in plasma-based accelerators <i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	<i>Dr Hao Zhang</i> 12:30 - 12:50

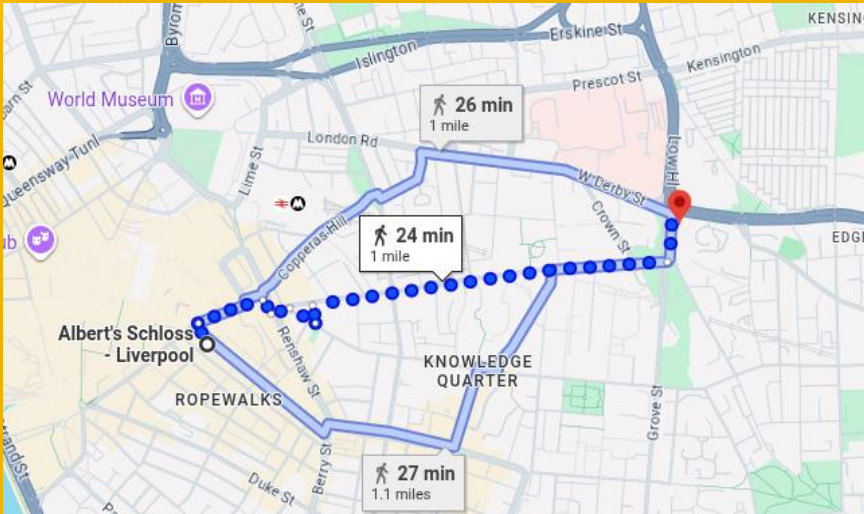
13:00	Lunch	
14:00	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	12:50 - 14:10
	Laser wakefield acceleration in carbon nanotube bundles <i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	<i>Jiaqi Zhang</i> 14:10 - 14:30
	Analytical, Computational, and Experimental Study of Discharge Plasma Capillaries for Laser Plasma Wakefield Acceleration <i>Mostafa Behtouei</i>	
15:00	Coffee break <i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	
	Round table discussion: Collaboration and opportunities <i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	<i>Dr Javier Resta López</i> 14:50 - 15:20
16:00	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	15:20 - 16:10
	Workshop Concludes <i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	
	<i>Letitia Obeng, Novotel Paddington Village, University of Liverpool/Cockcroft Institute, UK</i>	16:10 - 16:20

Workshop Dinner

Thursday, 6th November, from 19:00

Albert's Schloss Liverpool

Radiant House, 18-26 Bold St, Liverpool L1 4DS



The restaurant is located [here](#). Walking from the hotel takes ~20 mins. Please use Google Maps for appropriate walking or public transportation routes.

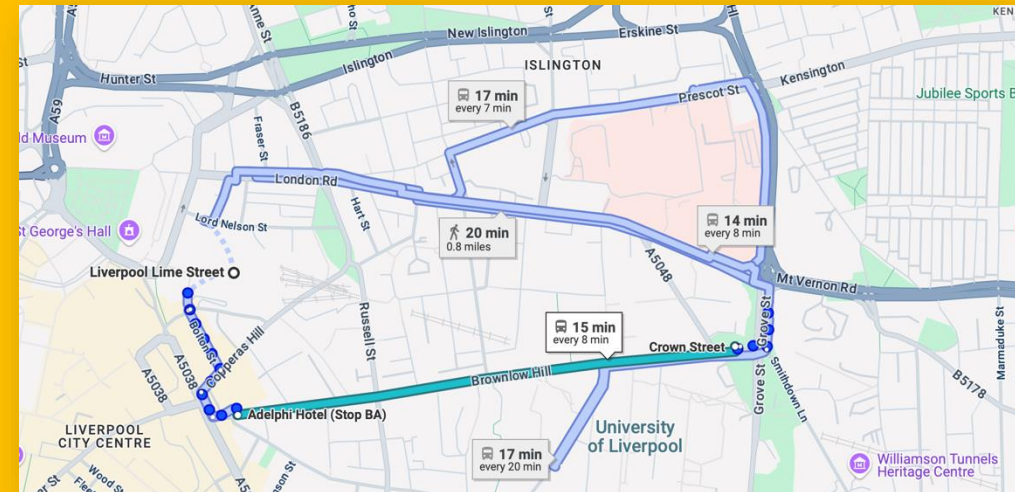
Please inform us in advance if you have any allergies.

Travel information

The Novotel Liverpool Paddington Village is at the heart of Liverpool's Knowledge Quarter.

3 Paddington Village, Grove St, Liverpool L7 3FA, [go to map](#)

The nearest train station is **Liverpool Lime Street**. It will take approximately 20 mins to walk, 13 mins by bus, or 6 mins by taxi.

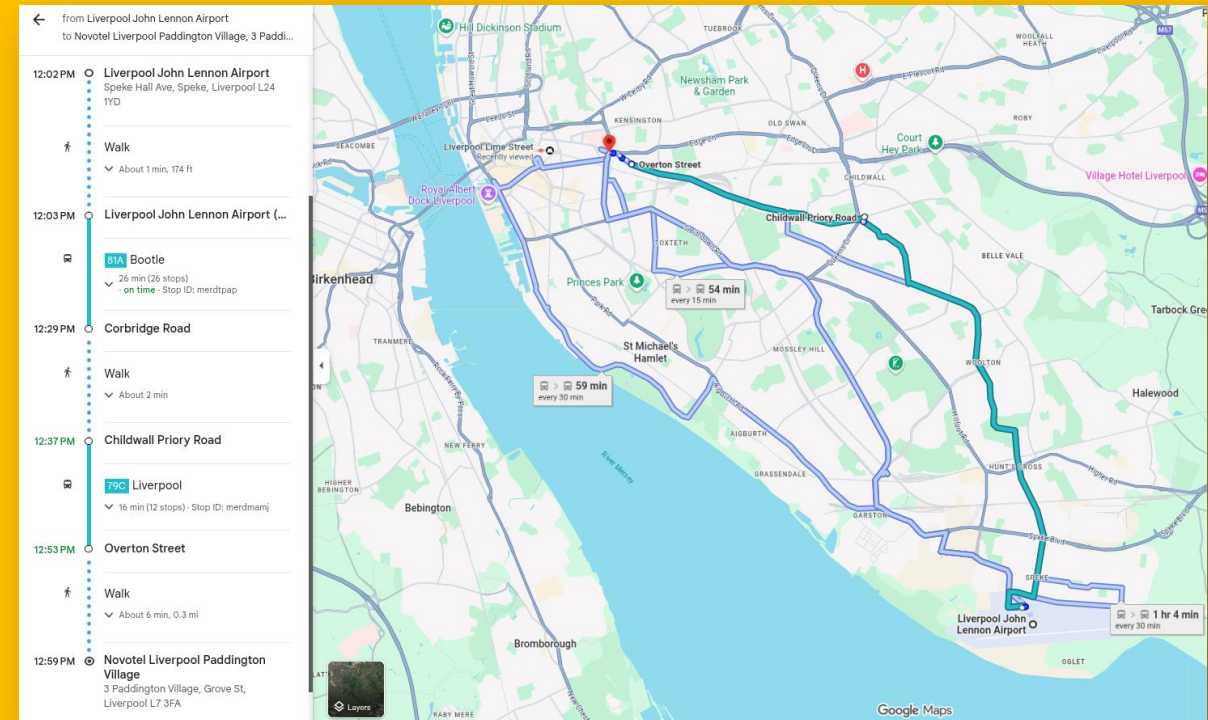


Travel information: From Liverpool John Lennon Airport (LPL)

A bus is available from the airport to Liverpool. See more information [here](#).

More public transport options can be found via Google Maps, for example [here](#).

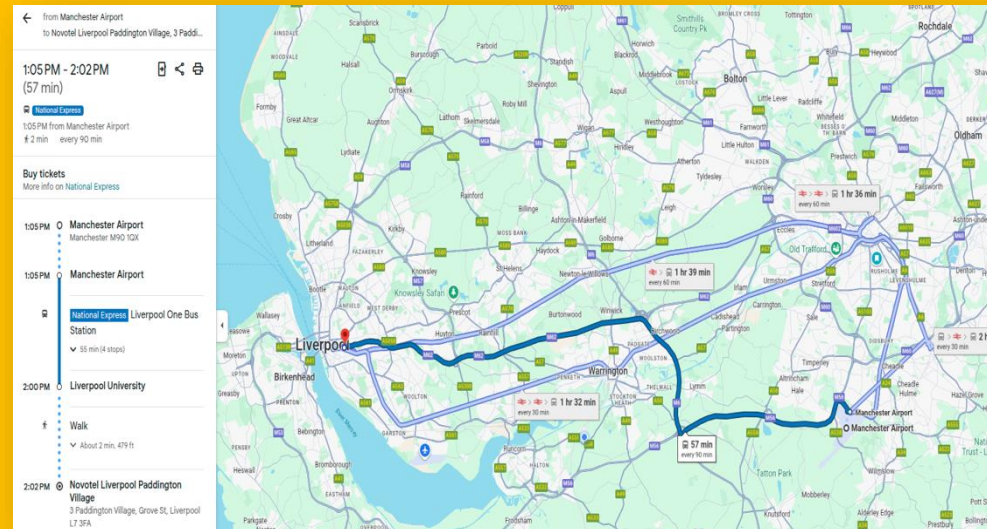
You can call a taxi at the airport or book one in advance. There are many options, such as [Uber](#), or the [airport transport service](#).



Travel information: From Manchester Airport (MAN)

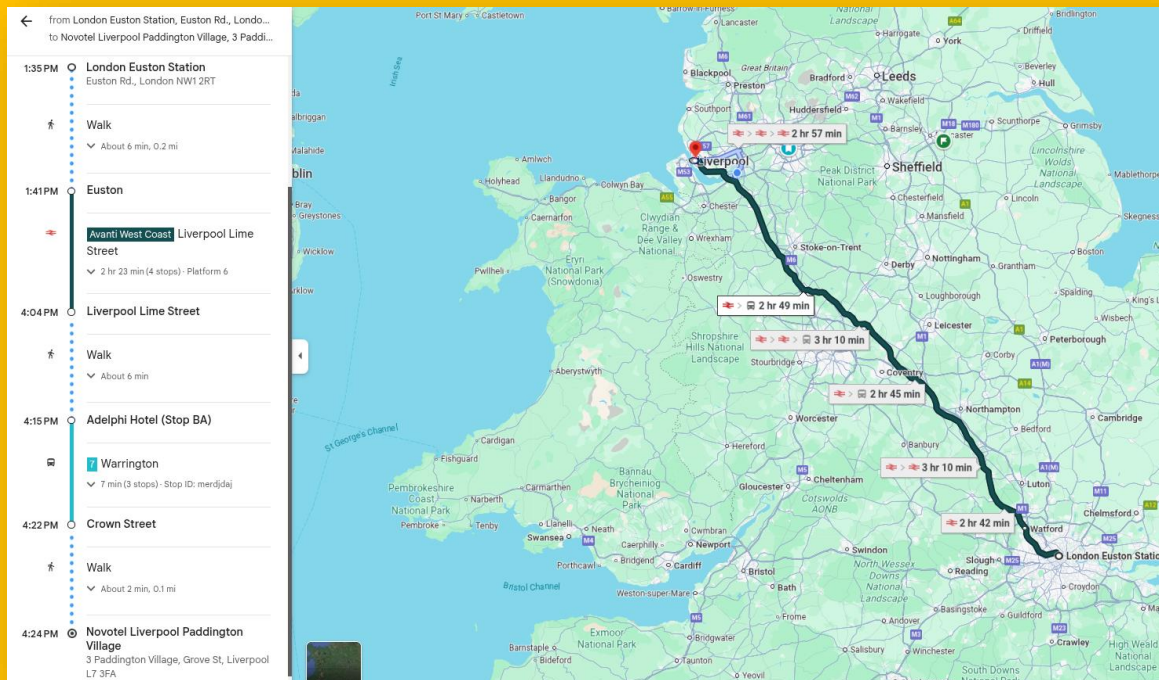
Bus and train options are available from the airport to Liverpool. See more information [here](#). More public transport options can be found on Google Maps, for example [here](#).

You can call a taxi at the airport or book one in advance. There are many different options, including [Uber](#).



Travel information: From London Airports

The train from London Euston to Liverpool Lime Street station takes 2-3 hours.



You can buy your train ticket

- Online: [Avanti West Coast](#), [Trainline](#), [omio](#), etc.
- Via App: Trainline (official), TrainPal (best price), Omio, Trip.com, etc.
- At the train station

Please note that an open return ticket gives you the best flexibility, advance tickets might be cheaper but will have limited flexibility.

Accommodation

The recommended hotel is [Novotel Liverpool Paddington Village](#). It is our meeting Venue. You can reserve your room [online](#). Free Wi-Fi is available at the hotel. Parking is available for £14 per day.



Another option is the [Hard Days Night Hotel](#) if you are a Beatles fan. It is “the only Beatles-inspired hotel in the world” and located [here](#), ~30 mins walking distance from the meeting venue.



Sightseeing



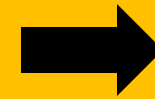
The Beatles Story Museum offers an immersive journey through the Beatles' careers with recreated sets (Hamburg, the Cavern Club, Abbey Road) and authentic memorabilia. It is located within the Albert Dock. You can book a ticket in advance: [beatlesstory.com](https://www.beatlesstory.com). We recommend having a coffee or lunch at one of the many dock's cafes.

You might also like to walk to the **Royal Liver Building** on the Pier Head. This Grade I-listed "first skyscraper" offers panoramic views of the river Mersey and is one of Liverpool's famous Three Graces. We recommend that you join the Liver Building 360-degree tour, if time permits.



Sightseeing

Anfield, if you're a football fan, why not pre-book an Anfield Stadium tour to walk through the players' tunnel and visit the museum?



Liverpool is home to many great **cultural landmarks**, including the Philharmonic Dining Rooms, an ornate Victorian pub on Hope Street famous for its Art Nouveau décor and a favourite of John Lennon and Paul McCartney. There is also St George's Hall, an impressive neoclassical civic building near Lime Street, hosting concerts and featuring a splendid Great Hall. St Luke's "Bombed-Out Church", a WWII-damaged church now used as an open-air cultural venue. Finally, the Metropolitan and Anglican Cathedrals, located at opposite ends of Hope Street, offer stunning architecture and amazing views.



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Sightseeing: Chester or Manchester



Why not use the time before or after the workshop for a day trip to Chester or Manchester? Both cities are less than an hour away by train from Liverpool Lime Street station.



Practical tips

Weather – As Liverpool is a seaside city, early November is often cool (10 - 12 °C) and damp. It is best to dress in layers and to wear a waterproof jacket.

Safety – Liverpool is generally safe, but like any city, be aware of your surroundings, especially at night and keep your belongings secure.

Public Transport (Merseytravel) – The local transports options including bus, Merseyrail and taxi/Uber are excellent.

Food & Drink – You must try the city's signature dish, Scouse, a hearty meat and vegetable stew. Pubs like **The Scarsdale** or **The Baltic Fleet** are famous for it. Liverpool has some incredible historic pubs.

Liverpool is a world-renown historic port city with immense cultural impact in north-west England. It has much more to be discovered!

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Contact in case of Emergency:

Bifeng: + 44 75 86 00 41 25

Carsten: +44 79 73 24 79 82

Emergency contact

**We wish you a wonderful
time in Liverpool!**

Sponsored by

