



TRA

TRANSPORT RESEARCH ARENA

DUBLIN 2024

10th CONFERENCE • 15-18 April

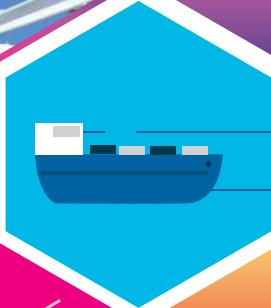
Co-organised by:



An Roinn Iompair
Department of Transport



#TRA2024



#TRA2024



General Information

REGISTRATION

Please ensure you collect your Conference Badge from the registration desks located at the Main Entrance of the RDS. You are required to wear your Conference Badge at all times including the subsequent social programme.

The registration desk will be open at the times below to collect your badge and for any questions.

Sunday 14th April: 15:00 - 18:00

Monday 15th April: 08:00 - 18:00

Tuesday 16th April: 08:00 - 18:00

Wednesday 17th April: 08:00 - 18:00

Thursday 18th April: 08:00 - 16:00

PROGRAMME

Any updates to the programme will be communicated through the app. The most up to date version of the programme can be found online at: <https://traconference.eu/tra-2024-programme/>

SPEAKER PREVIEW ROOM

A speaker preview room is available for all speakers during the conference. This is a room specifically reserved for speakers to load their presentations.

The speaker preview room is the Lansdowne Room (access will be via the balcony of Hall 1 - Exhibition area).

If you have uploaded your presentation in advance of the conference, you will be able to check it in this room. If you have not used the upload option, then please bring your presentation on a USB Stick/Flash Drive to the technician who will be in the speaker preview room, who will upload it for you.

Please note: You cannot present directly from a USB or your own laptop in the session room. It must be uploaded

well in advance of your scheduled presentation.

If you are bringing your presentation via flash drive, then please do so AS SOON AS POSSIBLE, and no later than 2 hours before your presentation.

The technician will be available during the following times:

Sunday 14th April: 15:00 - 18:00 in the Concert Hall

Monday 15th April: 08:00 - 18:00 in the Lansdowne Room

Tuesday 16th April: 08:00 - 18:00 in the Lansdowne Room

Wednesday 17th April: 08:00 - 18:00 in the Lansdowne Room

Thursday 18th April: 08:00 - 15:00 in the Lansdowne Room

POSTERS

All posters will be displayed in Simmonscourt, right beside the plenary hall and all delegates will have access.

During the allocated poster sessions each poster will be presented with a flash presentation on the poster stages located near the poster area.

SHUTTLE BUS & BIKES

TRA is spread across two main locations, RDS Main Campus and Hall 8, Simmonscourt, with an 8 minute walk in between. Please familiarise yourself with the venue and allocate sufficient time to go between the two areas.

Dublin Bus Shuttle Bus and National Transport Authority Bikes are available if required.

WIFI

WIFI is accessible to everyone, no password needed. Network is RDS Open Wifi.

General Information

PARKING

There is no parking available at the RDS and in light of our sustainability policy we recommend that you use public transport with the Leap Card provided.

LEAP CARDS

We are delighted to be able to offer Dublin Leap Cards to all our delegates who wish to use public transport within the city. You can collect your free card from the information desk located in RDS Hall 1.

There will be a desk in Terminal 1 & 2 at Dublin Airport on Sunday and Monday between 9am and 4pm where you can collect your Leap Card.

Dublin Leap Card is accepted on all major modes of public transportation within the Greater Dublin Area, including:

Dublin Bus: Covering a comprehensive network of routes across the city and suburbs.

Luas: Dublin's light rail tram system, connecting key areas with speed and efficiency.

DART: Dublin Area Rapid Transit, providing coastal journeys from Malahide and Howth to Greystones.

Commuter Rail Services: Including suburban and intercity trains operated by Irish Rail.

Thanks to the National Transport Authority for kindly sponsoring these cards.

ACCESSIBILITY

The RDS is mindful of issues of accessibility at all times and are dedicated to providing support to all visitors.

Please contact us directly if you have

any accessibility requirements and we will make every effort to accommodate your request individually.

DIETARY REQUIREMENTS

If you have indicated your dietary requirements during registration, please head to the allocated catering station in the exhibition area to collect your lunch. The station will be clearly marked as a dietary station.

CATERING

Complimentary tea/coffee will be served for the duration of the conference. Lunch will be served in Hall 1 and Hall 4 only.

SUSTAINABILITY

TRA2024 is a sustainable conference. We recommend all attendees pack a reusable coffee cup and water bottle for their time in Dublin.

CLOAK ROOM

When checking out on Thursday morning, please leave your luggage in your hotel as the cloakroom at the RDS will not have capacity to store it.

CONTACT INFORMATION

Emergency Services:
Call 999 for Ambulance/Police/Fire

FIRST AID

The conference will have professional first aid assistance onsite – see staff at the registration desk for information.

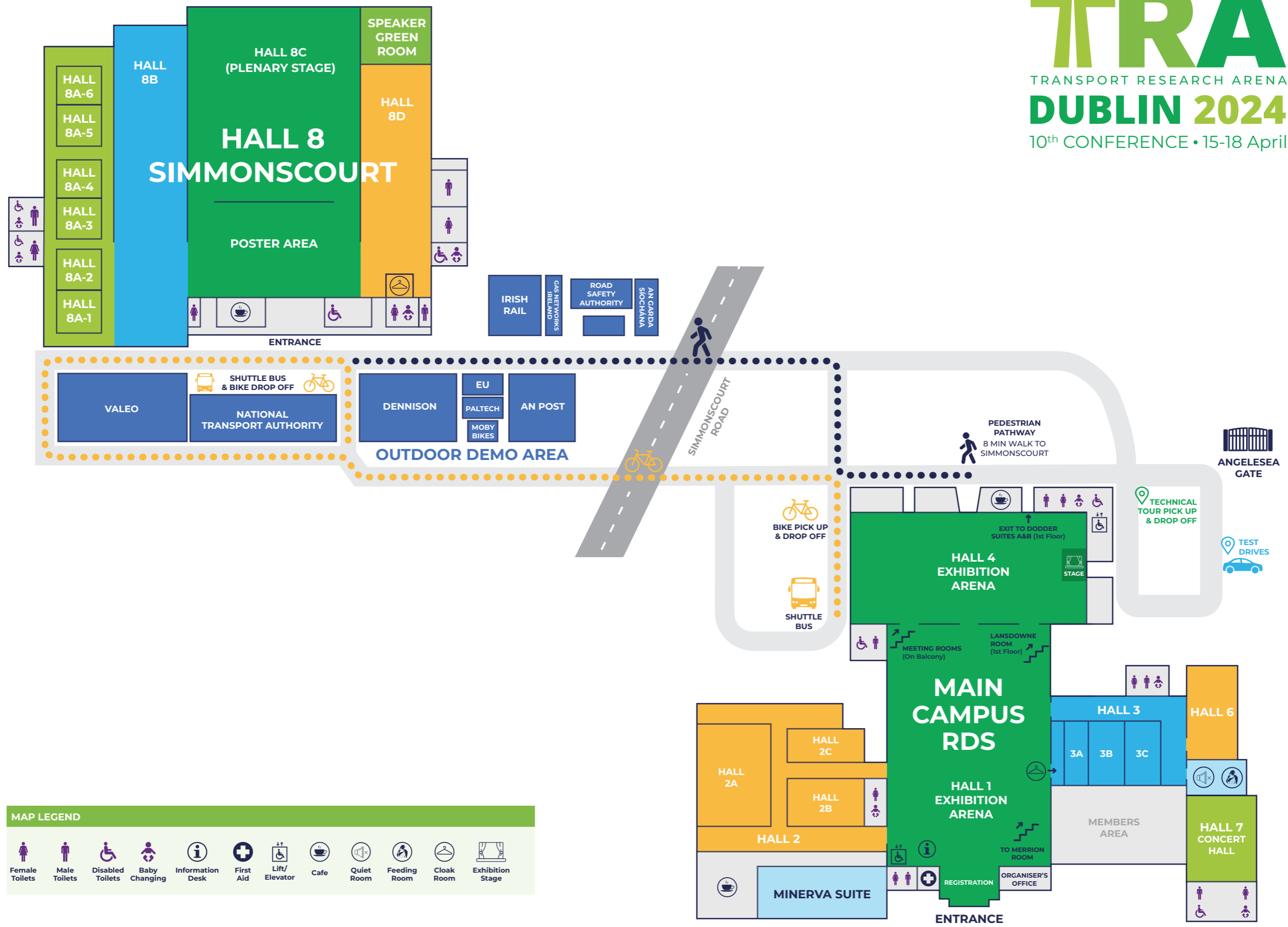
DELEGATE QUERIES

Can be dealt with via the help desk in the Exhibition Arena at the RDS, any other issues please do not hesitate to email: tra2024@conferencepartners.com

We look forward to welcoming you all to Dublin!

Best Regards, on behalf of the TRA2024 Dublin Organising Team.

Venue Overview



Exhibition Map

RDS Main Campus



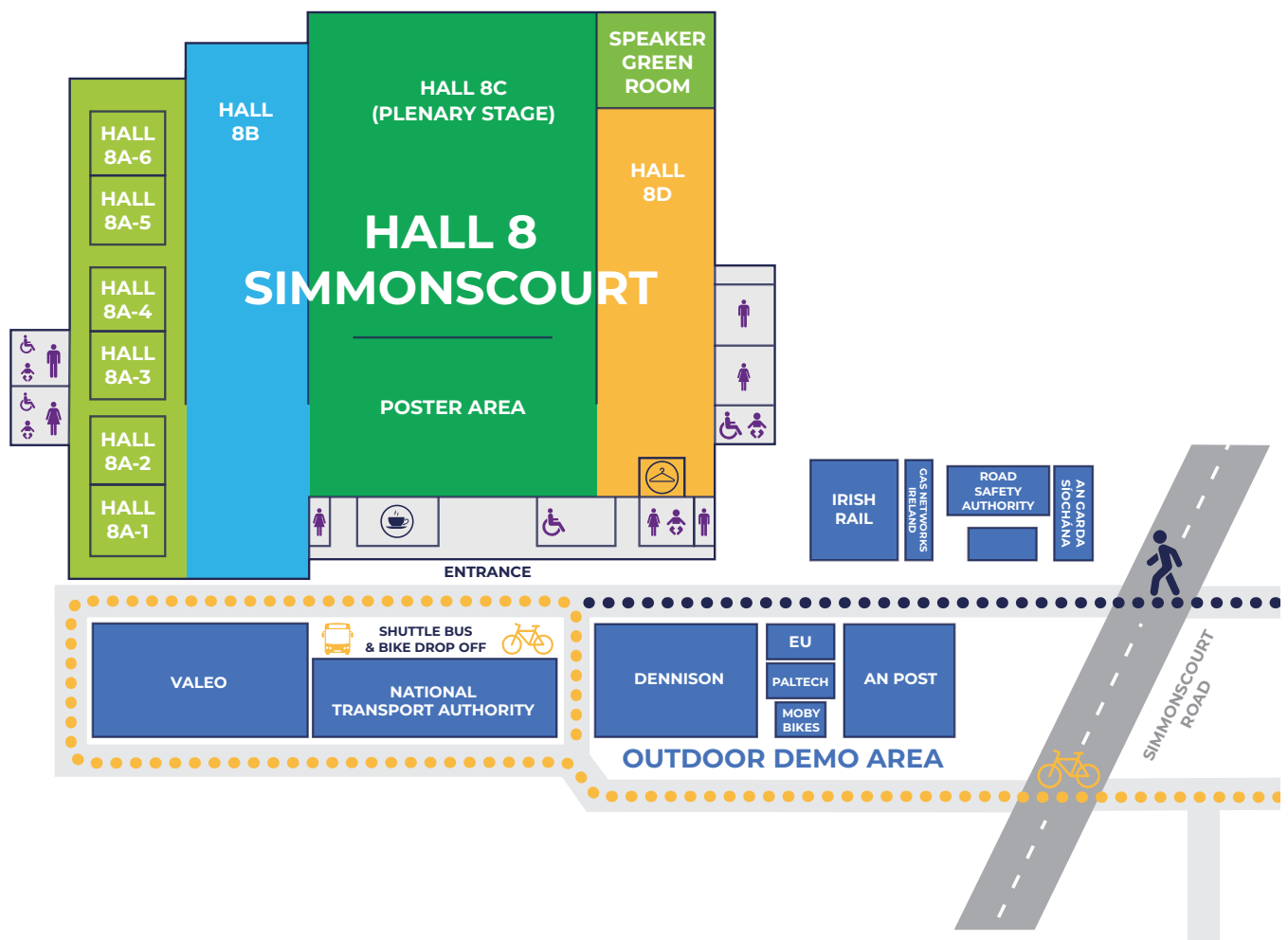
A-Z of Exhibiting Partners

4	ABB	73	IDA Ireland
12.2	ADVANTAGE AUSTRIA	41	IEEE
78	AirNav Ireland	29	IFP Energies nouvelles
12	ALICE	43	IKERLAN S.COOP
19	ARRB Systems	75	Irish Maritime Development Office
61	Arup	102	Irish Transport Research Network
62	Asset International Structures Ltd	67	ITS Ireland
6.8	AVL	9	ITS Norway
74	Avtrain	77	Jaguar Land Rover
12.3	A-Techsyn	53	Klas
23.3	Baltic Road Association	5	KPMG Ireland
17	BEPA	79	Lagan Operations & Maintenance Ltd
77	Beta	77	Lero
6	BMW Automotive Ireland	51	Logistics Associate Apprenticeship
12.1	Bundesministerium für Digitales und Verkehr	74	Manna Drone Delivery
87	Bus Éireann	28	Measure
74	Cameramatics	77	Mergon
20	CCAM Partnership	2.2	Moby Bikes
59	CILT Mobility And Supply Chain Skillnet	70	National Transport Authority
14	Clean Aviation Joint Undertaking	9	Netcompany-Intrasoft (on behalf of the FRONTIER H2020 project and the 4FRONT cluster)
14	Clean Hydrogen Partnership	74	Plasmabound
1	Collins Aerospace	18	PNO Group
65	Daktronics	9	POLIS
47	Deighton Associates Ltd.	74	Provizio
15	Dennison Trailers	84	Road Management Office
71	Department of Transport	57	Scire - Reflective Project
31	Dublin Bus	14	SESAR 3 Joint Undertaking
81	Dublin City Council	21.1	Springer Nature
22	EARPA	82	Sustainable Energy Authority of Ireland
58	Easyfix	40	Swiss Booth
43	ECI European Copper Institute	55	SYSTRA Ltd
6.1	ECTRI	16	TRA2026 Budapest
69	Egis	72	Transport Infrastructure Ireland
20.2	Egviafor2zero	45	Troia d.o.o.
63	Elsevier B.V.	9	TU Delft - MICD
74	Enterprise Ireland	23	UITP - Advancing Public Transport
23.1	ERTICO	7	UKRI
20.1	ERTRAC	30	UNIFE - The European Rail Supply Industry Association
3	ESB Innovation Roi Ltd	44	University of Limerick (CRIS)
6.2	Eurnex	42	University of Minho
14	Europe's Rail Joint Undertaking	56	Vaisala Ltd
13	European Commission	2	Valeo Vision Systems
25	Eutema Research Service Gmbh	74	Ventac
43	Ewf	86	ViaPlus
77	Exida	52	Vivacity
10	EY Ireland	6.6	VTI, Swedish National Road and Transport Research Institute
6.3	FEHRL	6.7	Waterborne Technology Platform
26	FEV	60	Weev Charging Limited
43	Fraunhofer Institute For Machine Tools and Forming Technology	2.1	Westermo Ireland Ltd
50	FTA Ireland	Google Innovation & Incubation Zone Exhibitors	
23.2	Fugro	I&I 8	AECOM
77	Future Mobility Campus Ireland	I&I 12	Elogic
8	Gas Networks Ireland	I&I 10	Polymer Alloy Technology T/A Paltech
6.4	Geotab UK Ltd	I&I 3	The Discovery Programme
24	German Aerospace Center (DLR)	I&I 1	Transitool
11	Google	I&I 5	Tuku University of Applied Sciences
64	GREENET	I&I 18	Ubiwhere
66	Greenwood Engineering	I&I 11	University of Galway
77	Hummingbird Aero	I&I 6	University of Limerick
68	Iarnród Éireann Irish Rail		

Exhibiting Partners: Numerically

1	Collins Aerospace
2	Valeo Vision Systems
2.1	Westermo Ireland Ltd
2.2	Moby Bikes
3	ESB Innovation Roi Ltd
4	ABB
5	KPMG Ireland
6	BMW Automotive Ireland
6.1	ECTRI
6.2	Eurnex
6.3	FEHRL
6.4	Geotab UK Ltd
6.6	VTI, Swedish National Road and Transport Research Institute
6.7	Waterborne Technology Platform
6.8	AVL
7	UKRI
8	Gas Networks Ireland
9	Netcompany-Intrasoft (on behalf of the FRONTIER H2020 project and the 4FRONT cluster)
9	POLIS
9	TU Delft - MICD
9.1	ITS Norway
10	EY Ireland
11	Google
12	ALICE
12.1	Bundesministerium für Digitales und Verkehr
12.2	ADVANTAGE AUSTRIA
12.3	A-Techsyn
13	European Commission
14	Clean Aviation Joint Undertaking
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23.2	Fugro
23.3	Baltic Road Association
24	German Aerospace Center (DLR)
25	Eutema Research Service GmbH
26	FEV
28	Measure
29	IFP Energies nouvelles
30	UNIFE - The European Rail Supply Industry Association
31	Dublin Bus
40	Swiss Booth
41	IEEE
42	University of Minho
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61	Arup
62	Asset International Structures Ltd
63	Elsevier B.V.
64	GREENET
65	Daktronics
66	Greenwood Engineering
67	ITS Ireland
68	Iarnród Éireann Irish Rail
69	Egis
70	National Transport Authority
71	Department of Transport
72	Transport Infrastructure Ireland
73	IDA Ireland
74	Avtrain
74	Cameramatics
74	Enterprise Ireland
74	Manna Drone Delivery
74	Plasmabound
74	Provizio
74	Ventac
75	Irish Maritime Development Office
77	Beta
77	Exida
77	Future Mobility Campus Ireland
77	Hummingbird Aero
77	Jaguar Land Rover
77	Lero
77	Mergon
78	AirNav Ireland
79	Lagan Operations & Maintenance Ltd
81	Dublin City Council
82	Sustainable Energy Authority of Ireland
84	Road Management Office
86	ViaPlus
87	Bus Éireann
102	Irish Transport Research Network
Google Innovation & Incubation Zone Exhibitors	
I&I 1	Transitool
I&I 3	The Discovery Programme
I&I 5	Tuku University of Applied Sciences
I&I 6	University of Limerick
I&I 8	AECOM
I&I 10	Polymer Alloy Technology T/A Paltech
I&I 11	University of Galway
I&I 12	Elogic
I&I 18	Ubiwhere

Outdoor Demonstrations



Outdoor Demonstrations List of Exhibitors

An Garda Síochána
An Post
Dennison
European Commission
Gas Networks Ireland
Irish Rail
Moby Bikes
National Transport Authority
Paltech
Road Safety Authority
Valeo

TRA App

Don't miss out on all the latest event updates - download the TRA2024 app.



- 1** → **SEARCH** the Event App by EventsAir in your iOS or Android app store
- 2** → **ADD** the event code **TRA2024App** in the box
- 3** → **CLICK** the purple button to **Submit**
- 4** → **LOGIN** using **your email & pin**, issued to you by email, to access your app account

Social Events



Welcome Reception

An informal Welcome Reception in the RDS Concert Hall is included as part of your TRA2024 registration. There will be entertainment for the duration.

Canapés and tea / coffee will also be provided. This is a perfect opportunity to come along to mix and mingle with other registered delegates.

This event is free to attend once you have pre-registered and collected your delegate pass.

Date:
Sunday 14 April

Time:
3pm – 6pm

Location:
RDS Concert Hall

Social Events



Gala Event

The TRA2024 Gala Event will be in the iconic Guinness Storehouse in Dublin. This is a unique social event where you can eat, relax, stroll through the Guinness exhibition floors, listen to music, dance, and enjoy the number one visitor attraction in Dublin. Guests will also have the opportunity to learn how to pour the perfect pint of Guinness!

Return coach transfers to and from RDS, buffet dinner, drinks, access to the Guinness Storehouse Experience and traditional Irish entertainment are all included in the cost. Be sure not to miss this evening of craic agus ceol (fun and music!).

Tickets for the Gala Event are subject to availability. Please purchase your ticket through the app.

Please Note: This is an over 18's event

Date:

Tuesday 16 April

Doors Open:

19:30

Location:

**Guinness Storehouse,
St. James' Gate, Dublin 8**

Requirement:

TRA badge will be scanned on arrival



Transfers:

To Guinness Storehouse from RDS (Shuttle):

Pick up Point: Main Entrance of Simonscourt

Departure Time:

1st Coach: 18:45

Last Coach: 19:30

To Guinness Storehouse from City Centre (Non-shuttle):

(Limited capacity – 98 spaces only)

Pick up Point: Nassau Street (across the road from Kilkenny Design Shop)

Departure Time:

1st Coach: 19:00

2nd Coach: 19:15

Return from Guinness Storehouse to RDS (Shuttle):

1st Coach 21:30

Last Coach: 23:00

Drop Off: Merrion Street Bus Stop (across the Road from Main Entrance of RDS)

Return from Guinness Storehouse to City Centre (non Shuttle):

1st Coach: 22:30

2nd Coach: 23:00

Drop Off: Nassau Street (across the road from Kilkenny Design)

Social Events



Hooley Night at Johnnie Fox's Pub

Situated on top of the Dublin mountains, Johnnie Fox's is one of Ireland's oldest and most famous traditional Irish pubs – and they are also famed as the highest pub in the country.

The Irish Hooley night in Johnnie Fox's is the best way to experience all things Irish – food, drink, entertainment & the people. The moment the stage rises, and the music fills the room, you can feel the magic in the air. As the show goes on, the energy in the room builds, you find yourself being transported to a different world. The atmosphere is electric, you cannot help but be swept up in the excitement of it all. Every moment is a feast for the senses, from the dazzling costumes to the fast beat choreography.

By the time the show ends and the performers take their final bow, you will be left feeling exhilarated and amazed.

Return transfer from RDS Merrion Road to Johnnie Fox's, 3-course dinner and Hooley Show are all included in the cost. Please meet a member of staff at Merrion Road Bus Stop outside RDS at 18:20



for a prompt departure to Johnnie Fox's. The bus will return to this location at the end of the night. You only need to bring yourself and a camera to capture the magic!

Be sure not to miss this evening of craic agus ceol (fun and music!).

Date:
Wednesday 17 April

Meeting Point:
Merrion Road Bus Stop outside RDS at 18:20

Time:
Coach departing at 18:30

Cost:
€98.00 incl VAT per person

Technical Tours

As part of the TRA2024 programme, we are delighted to announce that we have some interesting offsite technical tours that will take place throughout the week. These tours will be available to book through the registration portal at the beginning of March.

Supported by National Transport Authority and Dublin Bus



National Train Control Centre (NTCC)

Iarnród Éireann's new National Train Control Centre (NTCC) will go live in Summer 2024. It will be the centre for the management and regulation of train movements on the network.

Delegates will see a fully operational centre, visiting the Signalling Control Room, Operational Control Rooms, Network Management Centre (NMC), Emergency Strategic Command Centre and Training Simulator.



Motorways Control Centre

Join us for a tour of Transport Infrastructure Ireland's (TII) Motorway Operations Control Centre in the heart of the Irish motorway network and tunnel operations.

A state-of-the-art facility, it is equipped with the latest technology to allow real-time monitoring of more than 1,200 kilometers of motorways, dual carriageways and tunnels across Ireland.



The Wayfinding Centre

The tour of The Wayfinding Centre will incorporate exploration of the full range of facilities including the aeroplane fuselage, airport infrastructure, and the DART train and Luas light rail carriages, both equipped with live training functionality. The tour will also include the streetscape including cycle lanes, island bus stop, and road crossings along with a double decker bus, coach, and accessible taxi all housed within the facility.

Throughout the tour we will facilitate discussions about common transport challenges and provide the opportunity to discuss potential partnerships with The Wayfinding Centre and use of the Living lab for research and innovation projects. The tour will be followed by light refreshments in the Connection Café to facilitate further discussion and networking.

Technical Tours



Phibsborough & Broadstone Depots

Site visit to Phibsborough Depot to see the newly installed electrification infrastructure and electric buses. We will have experts from our Engineering team on-site to meet the delegates and provide a briefing.

We will then go across to our historic Broadstone Depot, which is located on the same site. We will give a tour of the depot which has been a part of Ireland's transport infrastructure since 1850 and was redeveloped in 2021, following a significant investment of €15.2M, restoring the site to become a modern bus fleet maintenance facility for the capital of Ireland.



Commissioners of Irish Lights

The Irish Lights Technical Tour will provide a glimpse into the critical work of this maritime organisation which is safety of navigation at sea, as well as supporting wider economic activity in Ireland. Irish Lights delivers essential 24/7 safety and navigation services, which includes a 24-hour emergency response function, around the coast of Ireland (North and South), 365 days a year.

The organisation provides commercial, tourism, and heritage services to support the blue economy and is a key contributor to a range of international Maritime Safety organisations ensuring the development of harmonised safety standards to support maritime safety. Irish Lights adopts a steadfast commitment to responsible environmental and sustainability practices in its operations.



Dublin City Council Traffic Control Centre

The technical tour will include an informal overview of how the centre operates on a day to day basis including a description of the overall systems employed daily including the SCATS Adaptive Traffic Management System, Automatic Fault Management System (AFMS) and DPTIM system for bus priority.



Luas Depot

Transdev Dublin Light Rail would like to invite you to join us for a tour of the Luas Light Rail depot at Red Cow. You will have the chance to see how we deliver the operations and maintenance of this highly successful tram network that transports over 48 million passengers per year.

Technical Tours



Smart Docklands

If you've ever wondered what is going on behind the scenes with data and connectivity in Dublin, you can join a 30-40 minute walking tour in Dublin's Docklands. Smart Docklands, a programme co-funded by Dublin City Council and the Science Foundation Ireland research centre, CONNECT in Trinity College Dublin, is a testbed focusing on how increased connectivity and IoT deployments can improve city life.

Smart Dockland's Innovation tour showcases a wide range of deployed innovations across the area from AR/VR experiences, digital infrastructure and sensor-based technologies. The tour highlights the programme's engagement to date with a variety of local authority departments, citizens, academia and industry. As part of the tour you will hear about all the ongoing work deploying next generation connectivity infrastructure and about a number of pilots that have scaled from the Docklands covering waste management, water safety, community engagement and environmental monitoring.



Dublin Port

Dublin Port is Ireland's largest Port and traces its history back to 1707. Since then, the Port has expanded eastwards from the Custom House to its current location at the edge of the City. Today it is a landlord port with companies competing to import and export goods from the island of Ireland to Europe and the UK.

Come and learn more about the busiest port on the Island of Ireland, the 300-year history of the Port, its Community, and Environmental programmes, and finally its plans until 2040. Delegates will be taken on board the St Brigid vessel for a tour overlooking Dublin Port and Dublin Bay, accompanied by representatives from the Dublin Port Company.