



An Roinn Iompair
Department of Transport



TRA

TRANSPORT RESEARCH ARENA

DUBLIN 2024

10th CONFERENCE • 15-18 April

 traconference.eu



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101056931

Céad míle fáilte



Dear colleagues and friends

In 2024, TRA takes place in the RDS, Dublin, Ireland from the 15–18 of April. The theme for TRA2024 is: **Transport Transitions: Advancing Sustainable and Inclusive Mobility.**

Transport Research Arena (TRA) is the **premier European transport event** that covers all transport modes and all aspects of mobility.

TRA offers a great venue for **researchers, policy makers and industry representatives** to get together and contribute to the discussion on how research and innovation can reshape the transport and mobility system.

The conference provides a unique opportunity to hear about mobility trends in different parts of Europe, learn from achievements in industry as well as share best practices of policies and deployments.

TRA 2024 Hosts



Covers **all modes of transport**
as well as **cross-modality**
in **urban** and **inter-urban**
settings



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Transport Research Arena - TRA2024 Overview



Theme: TRA2024 Dublin “Transport Transitions: Advancing Sustainable and Inclusive Mobility”.

Timeline: Takes place every two years in a different location around Europe with approx. 3,500 attendees

History: Established by the European Commission, CEDR and ERTRAC in 2006

Scope: Covers all modes of transport: road, rail, water, aviation, as well as cross-modality in urban and inter-urban settings

Uniqueness: TRA is a combination of a policy/strategy event and a scientific conference, with a competitive "Call for Abstracts"



Benefits



TRA2024 will be the 10th TRA since inception in 2006

- Chance to strengthen the links between the wider European community and beyond
- Provides a unique opportunity to:
 - Bring together researchers, industry leaders, policy makers, public administrators, and mobility leaders
 - Discuss transport and mobility trends
 - Share best practice in policy, standards and deployments
 - Facilitate research and innovation



Key Stakeholders

European Commission: DG Move and DG RTD

- Advisory Council for **Aviation** Research and Innovation in Europe (ACARE)
- European Technology Platform Alliance for **Logistics** Innovation through Collaboration in Europe (ALICE)
- Conference of European Directors of **Roads** (CEDR)
- European Construction, **built environment** and **energy** efficient building Technology Platform (ECTP)
- European **Road** Transport Research Advisory Council (ERTRAC)
- European **Rail** Research Advisory Council (ERRAC)
- European Transport **Research** Alliance (ETRA)
- European Technology Platform **Waterborne**
- **Host** country of TRA (presidency)

The TRA Management Committee “owns” Transport Research Arena. There is no permanent secretariat - presidency passes from host to host for each event.

The EU Commission co-hosts the conference. It provides some funding through a Coordination and Support Action (CSA) arranged via Horizon Europe.



TRA2024 (April 15 – 18) Conference Programme

Safe & Inclusive Transport

Monday

- **Opening Ceremony**
- **Plenary Session**
- **Strategic Sessions**
- **Technical/Scientific Sessions**
- **Special Sessions**
- **Technical Visits**

Sustainable Mobility of People and Goods

Tuesday

- **Plenary Session**
- **Strategic Sessions**
- **Technical/Scientific Sessions**
- **Special Sessions**
- **Technical Visits**
- **Gala Dinner**

Efficient & Resilient Systems

Wednesday

- **Plenary Session**
- **Strategic Sessions**
- **Technical/Scientific Sessions**
- **Special Sessions**
- **Technical Visits**

Collaborative Digitalisation

Thursday

- **Plenary Session**
- **Strategic Sessions**
- **Technical/Scientific Sessions**
- **Special Sessions**
- **Technical Visits**
- **Closing Ceremony**

Exhibitions

Demonstrations

Technical Tours

Displays

Events

Partner meetings

Themes for TRA2024 Dublin

Transport Transitions: Advancing Sustainable and Inclusive Mobility



Day 1 Theme: Safe and Inclusive Transport



- Transport safety
- Future workforce and skills
- People-centred & inclusive transport
- Transport policy

The coming decade will see green and digital transitions within the European transport sector, and social engagement and acceptance will be key for these changes to successfully take effect. There is an imperative to place the user at the heart of policies and solutions proposed to deliver a more inclusive transport system. A better understanding of behavioural drivers will lead to more sustainable and efficient modal choices with improved safety performance. These transitions will also be an enabler for economic growth, supporting the single market and international cooperation. This will create new employment opportunities, and the evolving transport sector will create markets for new skills and training.

Day 2 Theme: Sustainable Mobility of People and Goods



- Urban, regional and rural transport
- **Zero emissions transport**
- Impact on health and the environment
- **Logistics and sustainable transport**

*Today transport represents about 25% of the EU's total greenhouse gas emissions (GHGs) and addressing this is a core element of the **European Green Deal**. **Goals have been set of at least a 55% reduction in transport-related GHGs** by 2030 and 90% by 2050. This must also be accompanied by reduced **environmental impact and associated loss of biodiversity**.*

*The path to sustainable mobility requires multi-disciplinary research and innovation across all sectors of society. Our transport systems must foster cohesion, reduce regional disparities, and improve connectivity and access to the internal market for all. There is a need for **greener mobility of people and goods**, supported by zero-emissions vehicles and systems.*

Day 3 Theme: Efficient and Resilient Systems



- Resilient infrastructure
- Resilient networks and operations
- Circular economy and life cycle assessments
- Transport energy transition

*The green and digital transitions will offer significant opportunities to Europe's citizens and businesses, but their success will also be dependent on a transport system that can meet the increasing demands. Recent experiences have shown that our transport systems may be subjected **to disruption (pandemics, climate change, cyber-attacks etc)** – their resilience to withstand and recover from these is essential. This **places increased demands on our infrastructures and operations**, which must make use of new innovations to support appropriate management and investment. This required resilience will also link to energy supply and access to raw materials, as **our transport systems move from fossil fuels to more sustainable alternatives**. There is a clear need to apply circular economy principles to all elements of the transport system. Finally, strategic autonomy of the European transport sector will become key in a world of a changing geopolitical context.*

Day 4 Theme: Collaborative Digitalisation



- Digital transition
- Transport data sharing
- Connected, cooperative and automated mobility
- Digital transport infrastructure

*Digitalisation is a key driver of change in the transport sector and will lead to efficiencies in all modes, through solutions such as Intelligent Transport Systems (ITS), automated mobility, Mobility as a Service (MaaS) etc. The **digital transition** will place data sharing as a key requirement for Europe to achieve **efficient connectivity**, leading to open questions on **governance, cyber security and open science**. Digital infrastructure (5G and beyond) will be a key enabler, as will the use **of artificial intelligence** (AI) and other digital technologies.*

Call for Abstracts & Young / Senior Researcher Papers

ⓘ SUBMISSION PROCESS

The abstract submission process for TRA 2024 will be through an online submission portal

IMPORTANT INFORMATION ON THE SUBMISSION PROCESS

- The Presenting Author must submit the abstract and is required to be the corresponding author for that abstract.
- You do not need to register for the conference in order to submit the abstract.
- All abstracts must be received by the submission deadline to be included in the review.
- Presenting authors whose abstracts are accepted must submit a full paper for review by 14th September
- Accepted abstract presenters must register by 08 January 2024.
- Abstracts must be submitted in English.



📅 KEY DATES

Tues 7th February 2023

Abstract Submission Portal Opens

Mon 29th May 2023

Abstract Submission Deadline

12th – 26th June 2023

Abstract Review

Mon 12th July 2023

Notification of Abstract Acceptance

Mon 12th July 2023

Full Paper Submission Opens

Wed 14th September 2023

Full Paper Submission Deadline

Young & Senior Researchers Competition



TRAVISIONS

[Click Here to Submit Your Young/Senior Researcher Paper](#)

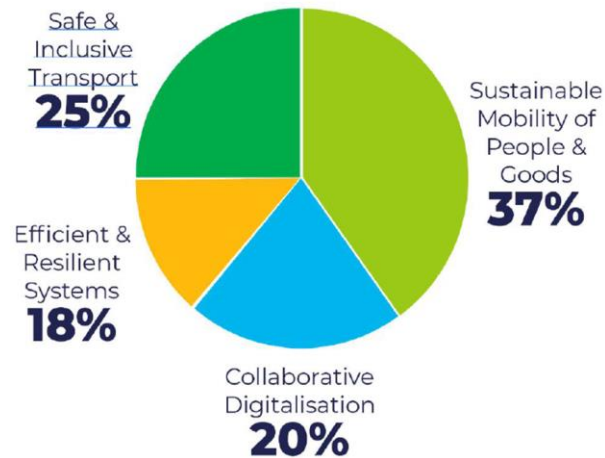
Abstracts Received to Date

1,165

TRA 2024 Abstract Submissions



Abstract Submission by Theme



134 from Ireland
116 from Germany
102 from France
95 from Spain
76 from Greece
76 from Italy
65 from UK
etc...



Theme	Count
1.1 Safe & Inclusive Transport - Transport Safety	138
1.2 Safe & Inclusive Transport - People-centred & Inclusive Transport	82
1.3 Safe & Inclusive Transport - Future Workforce & Skills	12
1.4 Safe & Inclusive Transport - Transport Policy	54
Theme 1	286
2.1 Sustainable Mobility of People & Goods - Urban, Regional & Rural Transport	140
2.2 Sustainable Mobility of People & Goods - Zero Emissions Transport	130
2.3 Sustainable Mobility of People & Goods - Impact on Health & the Environment	49
2.4 Sustainable Mobility of People & Goods - Logistics and Sustainable Transport	109
Theme 2	428
3.1 Collaborative Digitalisation - Digital Transition	67
3.2 Collaborative Digitalisation - Transport Data Sharing	36
3.3 Collaborative Digitalisation - Connected, Cooperative and Automated Mobility	92
3.4 Collaborative Digitalisation - Digital Transport Infrastructure	42
Theme 3	237
4.1 Efficient & Resilient Systems - Resilient Infrastructure	97
4.2 Efficient & Resilient Systems - Resilient Networks & Operations	43
4.3 Efficient & Resilient Systems - Circular Economy & Life Cycle Assessments	39
4.4 Efficient & Resilient Systems - Energy & Fuel Transition	35
Theme 4	214
Total Abstracts	1165

Conference Venue: Royal Dublin Society (RDS)



DATES & VENUE

WHEN
Sunday 14th
–
Thursday 18th

April
2024

WHERE
RDS
Dublin

RDS

The Royal Dublin Society (RDS) complex is located in the leafy suburb of Ballsbridge, one of Dublin's most exclusive areas. It is 2km from the centre of the city but it has the charm and appeal of a village with upmarket bars, great restaurants and lively cafes.

The RDS has 10 multipurpose conference/exhibition halls, 15 breakout/meeting rooms, and an outdoor stadium. The complex has 22,000 square metres of iconic, interconnecting spaces that can be used individually or combined to cater for events of every type and size.

Contact: Colm O'Grady at colm@conferencepartners.ie
to discuss reserving your exhibition space





An Roinn Iompair
Department of Transport



Go raibh maith agaibh



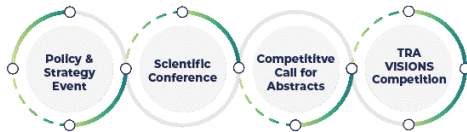
Transport Transitions:
Advancing Sustainable and Inclusive Mobility
www.traconference.eu

The premier **scientific, research and technology conference**, shaping future **transport & mobility policies**, in Europe and beyond

Scan the QR code to register your interest!



What makes TRA unique?



Who attends TRA?



come together to discuss how **research, innovation and technology** can work together to shape the **transport and mobility system**

TRA2024 Sub-Themes

- 1 Safe and Inclusive Transport**
 - Transport safety
 - Future workforce and skills
 - People-centred & inclusive transport
 - Transport policy
- 2 Sustainable Mobility of People and Goods**
 - Urban, regional and rural transport
 - Zero emissions transport
 - Impact on health and the environment
 - Logistics and sustainable transport
- 3 Efficient and Resilient Systems**
 - Resilient infrastructure
 - Resilient networks and operations
 - Circular economy and life cycle assessments
 - Transport energy transition
- 4 Collaborative Digitalisation**
 - Digital transition
 - Transport data sharing
 - Connected, cooperative & automated mobility
 - Digital transport infrastructure

Covers **all modes of transport** as well as **cross-modality** in **urban and inter-urban** settings



ENQUIRE ABOUT BECOMING A PARTNER
EXHIBITION & SPONSORSHIP OPPORTUNITIES AVAILABLE

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