



# The 46<sup>th</sup> European Transport Conference

Annual Conference of the  
Association for European Transport

10-12 October 2018: Dublin Castle, Dublin, Ireland



Conference Brochure



Where research, policy, and practice  
in transport come together

# Why attend the European Transport Conference?

## Benefits of attending...

### First-class speakers

Each year the conference presents the opportunity to interact with an extensive range of speakers across the Transport Industry. In addition to this year's engaging plenaries which will include a keynote by Professor Peter Balázs, coordinator of the North Sea-Mediterranean EU Corridor, we are delighted to announce that the conference will be opened by the Irish Minister of Transport, Tourism and Sport, Shane Ross TD.

### Thought-provoking research sessions

Research sessions are a key element of the conference, with its reputation being built on the important interaction and knowledge transfer between research, policy and practice. The conference focusses on drawing out the policy implications of research and not just concentrating on the design and operation of a model. Practitioners and policy makers are encouraged to relate their presentations to the research behind the implementation of schemes and policies.

The conference takes an open, participative approach to its programme. Members who join the programme committees vote to shape the contents of the conference itself, adapting it to the needs of the attendees accordingly. ETC focusses on remaining relevant to the essential transport issues of the day, meeting the needs of the current members. As the conference evolves, it looks to recruit a more diverse, inclusive and representative Europe wide membership.

### Networking with international colleagues

The conference provides an excellent opportunity for all participants to engage with international transport experts and become part of a specialist association. Attendance at ETC allows different groups to collaborate with fellow professionals, encouraging discussions regarding what might be possible within their community.

### Conference programme

Delegates can download the conference programme from the website and will be provided with a detailed conference guide in Dublin. Online access to papers is provided to delegates prior to the conference.

### Digital archive

Conference papers, dating from 1996, are archived on the AET website, where they can be downloaded easily and permanently for the international transport community.

### Open access and publication of papers

The organisers of ETC - The Association for European Transport - believe that research papers being published openly online will help future progress in transport, environmental and technical areas.

### Coverage of major themes

Programme Committees have their own identifiable programmes in the conference but also contribute papers and sessions to major themes. This year, feature sessions include:

- ◆ Global Trends Impacting Transport (GTiT)
- ◆ New Mobility patterns, Digitisation and Mobility as a Service
- ◆ Automated Driving and Connected Vehicles/Infrastructure
- ◆ Mobility for Liveable Cities, including Urban Mobility, air quality, health and active travel
- ◆ TEN-T extension to the Balkans and the further east, the new silk road
- ◆ Air Transport and Travel
- ◆ The Wider Economic Benefits of Transport Investment
- ◆ Decision making under uncertainty – the perils of ignorance and a means of effective response
- ◆ Young Researchers' and Practitioners' Forum (YRPF)

## Who should attend?

- ◆ Policy-makers, transport planners and engineers from central and local government
- ◆ Providers of technical advice and consultancy
- ◆ Researchers, lecturers and students from universities, institutes and research bodies
- ◆ Analysts and advisers from banking and investment houses
- ◆ Environmentalists and lobbyists







### Young Researchers' and Practitioners' Forum

ETC 2018 will once again include a special forum to engage young professionals. The forum is intended to provide a format which enables constructive and comprehensive feedback as well as more time for discussion than usual.

The Young Researchers' and Practitioners' Forum (YRPF) invites early career researchers and practitioners to present their work to the participants of the conference. Early-stage and experimental projects and research ideas are explicitly welcome.

Volunteers who wish to be involved with YRPF are encouraged to approach Sally Scarlett during the conference or to email her at: [sally.scarlett@aetransport.org](mailto:sally.scarlett@aetransport.org)

## ETC 2018: What can you expect?

The conference attracts transport practitioners and researchers from all over Europe providing access to in-depth presentations on policy issues, best practice and research findings across the broad spectrum of transport.

The extensive range of topics and the multi-seminar approach makes ETC unique among transport conferences and it is well established as the premier event of its type. The conference programme covers supranational issues, national and local policy and the implementation of projects at a local level.

The conference presents a brilliant opportunity for networking and developing career-spanning professional relationships. Although sessions at the conference can be challenging in discussing matters of policy at the highest level, they can also provide good, basic education and training opportunities – it is truly a conference for all ages and all levels of experience.

As transport practitioners and researchers throughout Europe respond to the challenges of economic growth, social change, demographics and the need to become more sustainable, ETC provides a forum for the presentation of, and discussion on, solid and affordable responses.

### Format of the conference

The duration of the conference is three days from Wednesday 10 to Friday 12 October. Optional social events are offered to delegates during the evenings and networking opportunities are available throughout.

ETC is a mix of plenary sessions, some debates and parallel workshop sessions. Each day, there will be a minimum of 9 concurrent streams, in sessions of 1.5 or 2 hours. Each session comprises between three and four papers presented in a themed seminar. The chair of each session ensures that there is ample time for discussion of papers and questions.

### Special features

- ◆ Plenary sessions on key topics, with keynotes given by significant names in world transport
- ◆ Presentations of over 240 papers
- ◆ Pre-conference drinks reception on Tuesday 09 October at Dublin City Council, sponsored by ITS Ireland 2000- 2100 hrs
- ◆ Bicycle Tours on Wednesday 10 and Thursday 11 October. Facilitated by Dublin City Council, Dublin Bikes. Bikes to be supplied by JC Decaux.
- ◆ Civic Reception on Wednesday 10 October at the historic Dublin City Hall hosted by Dublin City Council, 1900 – 2000 hrs (200 delegates)
- ◆ Conference Dinner Thursday 11 October at Trinity College Dining Halls with pre-dinner drinks sponsored by Aimsun (200 delegates)
- ◆ Technical Visits, including:
  - The Dublin Port Tunnel
  - Irish Rail
  - The LUAS tram/light rail system
  - Exciting day trip to Northern Ireland and return, taking in forms of public transport and examining cross-border issues on Saturday 13 October

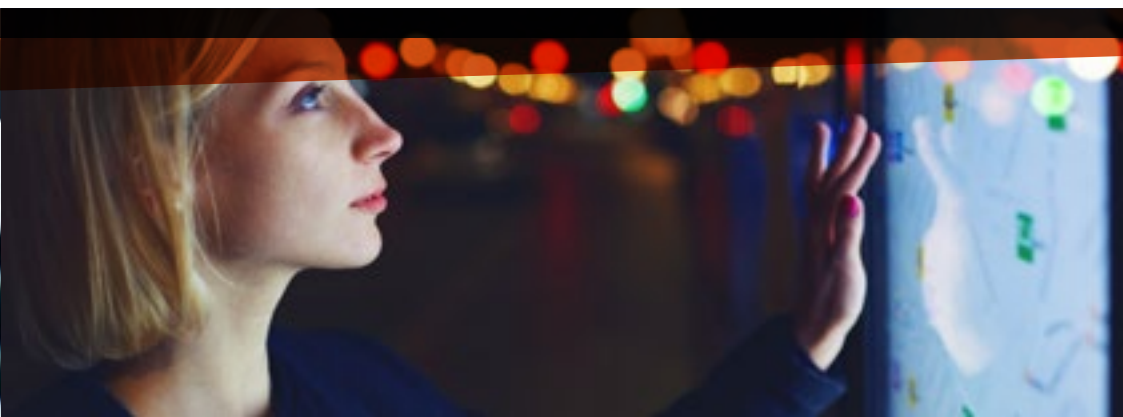
### Additional sessions

This year the ALLIANCE project will be hosting a meeting during ETC. The ALLIANCE project is a twinning project in the frame of HORIZON 2020 programme.

It is lead by Transport and Telecommunication Institute (Riga, Latvia) in collaboration with the University of Thessaly (Greece) and Fraunhofer Institute for Factory Operation and Automation (IFF) (Germany). <http://alliance-project.eu>

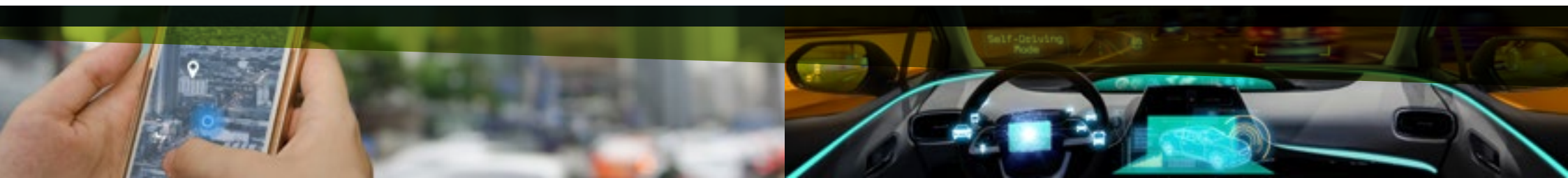
For full details of the presentations and times, please refer to the conference timetable.

Opening session 0845-1000	Themes	Session 1 1045-1245	Session 2 1400-1600	Session 3 1645-1815
<p><b>Welcome from the Association for European Transport (AET)</b> Professor Pierluigi Coppola, Chair of the AET Board</p> <p><b>Conference Welcome Address</b> Shane Ross TD Minister for Transport, Tourism and Sport, Ireland</p> <p><b>Keynote Address</b> Professor Peter Balazs, European Commission – Directorate General for Mobility and Transport North Sea-Mediterranean</p>	Value of Time	Value of Time	Value of Time	Rail, Cars and the Use of Time
	Autonomous Vehicles	Autonomous Vehicles	Autonomous Vehicles	Autonomous Vehicles
	Walking and Cycling	Modelling Walking and Cycling	Cycling the City	Cycling: Losses and Gains
	Global Trends Impacting Transport	Developing Countries Issues	Social Issues	Safety and Risk
	Local Public Transport	The Big Picture - Ownership, Governance and Operation	Passenger Demand	Case Studies
	Rail Policy and Planning	Learning Lessons Internationally	New Rail Schemes	Rail, Cars and the Use of Time
	Planning for Sustainable Land Use and Transport	Urban Strategy		Transit-Oriented Development
	Young Researchers' and Practitioners' Forum			Method
	Data	Policy	Big Data - Frustration of Opportunity	Public Transport and Data
	Freight and Logistics	Modelling	Data	Emissions
	Transport Economics, Finance and Appraisal		Long-Term Context	Appraisal for programming and prioritisation
	Transport Models	Application of New Modelling Methods Using Agents and Individuals	Using Agent Based Models where nothing else will work	Comparison of Agent Based Models with Conventional Models
	Modal Shift		Modal Shift	



For full details of the presentations and times, please refer to the conference timetable.

Themes	Session 4 0900-1030	Session 5 1115-1245	Session 6 1400-1530	Session 7 1615-1815
European Infrastructure Development	TEN-T Network Development	The Belt and Road Initiative	TEN-T Extension to South East Europe	BREXIT
Mobility as a Service		Mobility as a Service	Mobility as a Service	Mobility Choice
Autonomous Vehicles	New Methods for Modelling Connected and Autonomous Vehicles	New Methods for Modelling Connected and Autonomous Vehicles	Truck Automation	
Decision Making Under Uncertainty - The Perils of Ignorance and a Means of Effective Response	Seminar	Debate		
Local Public Transport	Technical Visit to LUAS	Public Transport as a Network	Up in the Sky - Cable Cars	Making the network work - the importance of interchange
Rail Policy and Planning	Promoting Rail Travel: Understanding the Drivers	Station Quality Evaluation	Rail: Finance, Funding and Economic Benefits	Rail Disruption: managing stress
Planning for Sustainable Land Use and Transport	Safer and Better Streets	Novelty Methods	Planning for Sustainable Transport	Urban Design and Travel Behaviour
Young Researchers' and Practitioners' Forum	Workshop	Accessibility	Workshop	Sharing
Data	A Tale of Two Cities – Dublin and London	Mobile Data	International Traffic	
Freight and Logistics	TEN-T Network Development	The Belt and Road Initiative	Truck Automation	
Transport Economics, Finance and Appraisal	Wider Impacts	Wider Impacts - Methods	Wider Impacts/Rail	Evaluation
Transport Models			Estimation Challenges of Big Models	Practical Aspects for Big Models: Validation and Run Time
Transport Models	New Methods for Modelling Connected and Autonomous Vehicles	Modelling Time - Speed and Price Using Analytics	Modelling Transport with Analytics	Developing More Accurate O-D Matrices from Mobile Phone Data 1





Friday 12 October 2018

For full details of the presentations and times, please refer to the conference timetable.

Themes	Session 8 0900-1030	Session 9 1115-1245	Session 10 1400-1600
Aviation	Air and Airports	Air Transport and Air Quality	Aviation
Local Public Transport	Analysing Data on Passengers	Can Buses Achieve Zero Emissions?	Future Trends
Rail Policy and Planing	Analysing Data on Passengers	Capacity Optimisation through Timetabling	
Planning for Sustainable Land Use and Transport	Accessibility and Social Impacts 1	Accessibility and Social Impacts 2	Urban Behaviour and Transition
Young Researchers' and Practitioners' Forum	Policy	Urban Public Transport	Safety
Data			Walking and Cycling
Freight and Logistics	Urban Delivery	Urban Policy	Legal Transport Issues
Global Trends impacting Transport		Electric Vehicles	
Transport Economics, Finance and Appraisal	Pricing	Environmental	Aviation
Intelligent Mobility – management and operations	New Routes for Transport Planning	Safety	Safety
Transport Models		Debate	Modelling the Policy Drivers of Congestion
Transport Models	Modelling Bikes	New Features in Assignment	Dynamic versus Static Assignment



# Booking details

The Conference's move to Dublin has provided a great opportunity to involve more colleagues from Ireland and to encourage first time attendees to become part of the ETC network.

To maximise networking opportunities offered by the event, we would encourage delegates to attend the whole conference. Therefore, an attractive package is available for the full three days of the conference. However, attendance on single days is also possible. The conference 'Rover' ticket also allows organisations to book for the full three days and send a different delegate on separate days.

## Attendance fees

Everyone who attends the conference pays the appropriate attendance fee for one, two or three days. This includes speakers and Programme Committee members. Members of the Association receive discounts on their attendance fees according to their category of membership. In addition, ECTRI members benefit from the same discount as AET Organisation Members. A 50% discount will be available to attendees:

- ♦ From new member states of the European Union (those who joined in 2004, 2007 and 2013)
- ♦ Young professionals (under the age of 26 or with less than 5 years' professional experience)

Delegate Fees	1 Day*		2 Days*		3 Days/Rover*	
	GBP	Euro	GBP	Euro	GBP	Euro
<b>Members</b>						
- Individual Member of AET	£300	€360	£595	€720	£795	€960
- Organisation Member of AET or ECTRI*	£290	€350	£575	€700	£760	€920
<b>Non-Members</b>	£340	€410	£670	€820	£930	€1,125

**\*All fees shown are subject to 20% VAT**

- ♦ Rover tickets allow organisations to book for the full 3 days and send different delegates on separate days
- ♦ \*ECTRI members benefit from the same discount as AET organisational members
- ♦ 10% discount for 3 or more Rover tickets purchased by the same organisation

To book your place online, please visit our website <https://aetransport.org> or complete and return the enclosed booking form.

## Attendee information

### Venue

The conference will take place at: Dublin Castle, Dame Street, Dublin 2, Ireland.

### Accommodation and travel

Delegates are responsible for their own travel plans and medical insurance. As Dublin is a prime location for business and pleasure, we recommend that ETC attendees book their travel and accommodation as early as possible to avoid disappointment. For help with sourcing accommodation, please contact Sabrina Winter by email on: [sabrina.winter@aetransport.org](mailto:sabrina.winter@aetransport.org)

### Visa and entry requirements

Delegates who need a visa to attend the conference should ensure they apply early to the Irish Embassy in their own country as the processing of visas can take some time. The Association is able to write letters in support of visa applications but only for those who have booked and paid for their conference place. For more details please contact Sabrina Winter on: [sabrina.winter@aetransport.org](mailto:sabrina.winter@aetransport.org)

### Satellite meetings

In recent years, a number of research consortia and other project groups have held their management or dissemination meetings during or adjoining the conference. This can prove to be a convenient time if a number of the group members already plan to attend the conference. If you would like to book a meeting room, please contact Sabrina Winter by email on: [sabrina.winter@aetransport.org](mailto:sabrina.winter@aetransport.org)

### Sponsorship and Exhibiting

There are opportunities to sponsor all or part of the conference such as the plenary sessions, themed seminars, the Conference Dinner, Welcome Reception, conference bags, mini guide, the timetable and conference badges. There will also be space for exhibition displays at reasonable rates. Please contact Sabrina Winter at [sabrina.winter@aetransport.org](mailto:sabrina.winter@aetransport.org)

### Conference Language

The language of the conference is English and all presentations will be made in English.

Delegates are advised that it is necessary to have a good standard of spoken English to take full advantage of the conference.

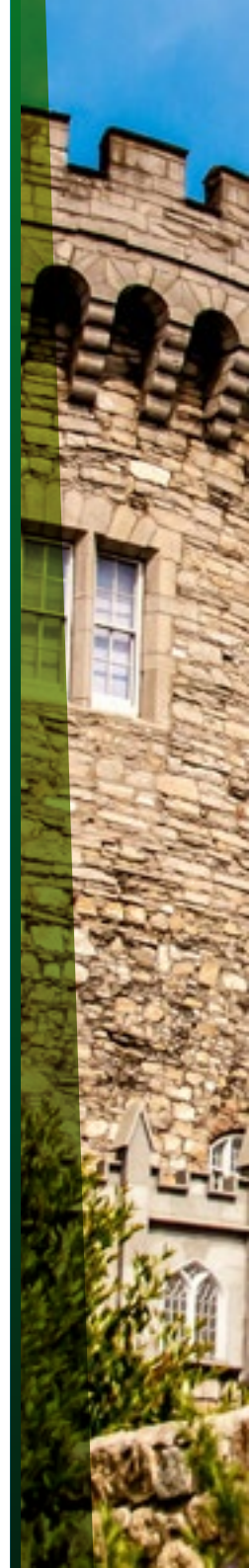


### Getting around in Dublin

Great news for ETC 2018, the National Transport Authority (NTA) will be providing all delegates with a TFI Leap Card covering their local travel for the three days of the conference. The card also has a 'top-up' facility for anyone planning on extending their stay.

Don't forget to download the Journey Planner App:

<https://www.transportforireland.ie/smartphone-apps-for-android-and-iphone-available-now/>



## The Association for European Transport

The Association for European Transport is currently comprised of around 200 corporate and individual members, based in over 35 countries. It was formed in 1998 to develop a network of transport professionals across Europe.



Members receive discounts on attendance fees for the European Transport Conference and, more particularly, they are able to shape the conference by becoming members of the Programme Committees and of the Association Council.

Membership is open to both individuals and organisations, with a sliding scale of membership fee based upon the size of the organisation.

### Benefits of membership to our Association include:

- ◆ Discounted member rates at the European Transport Conference
- ◆ Facilities for publishing and disseminating research findings, and sharing practical experience
- ◆ Growing your network with members throughout Europe
- ◆ The opportunity to help shape future conferences by participating in programme committees
- ◆ The opportunity to participate in the running of the Association via the Board of Directors and the AET Council

To find out more about becoming a member of the Association for European Transport, please contact Sally Scarlett by email on [sally.scarlett@aetransport.org](mailto:sally.scarlett@aetransport.org)

### The Association General Assembly

The Association for European Transport will hold its General Assembly during the conference. The annual business of the Association will be conducted as well as the election of members to the AET Council. The General Assembly is open to all who are interested but only current members of the Association are eligible to vote at the meeting.

### Programme Committees

The Programme Committees lie at the centre of the planning and delivery of ETC. They reflect the membership of the Association and cover a wide span of interests and professional experience. Opportunities exist to join a Programme Committee and there will be presentations during ETC. However, Sally Scarlett is always happy to answer questions about their role and activities on: [sally.scarlett@aetransport.org](mailto:sally.scarlett@aetransport.org)

The Programme Committees (and their chairs) in place for ETC 2018 are:

- ◆ Planning for Sustainable Land Use and Transport (Danielle Snellen, PBL, NL)
- ◆ Transport Models (Peter Davidson, Peter Davidson Consultancy, UK)
- ◆ Transport Economics, Finance and Appraisal (David Simmonds, David Simmonds Consultancy, UK)
- ◆ Intelligent Mobility - management and operations (Gav Jackman, Aimsun, UK)
- ◆ Freight and Logistics (Thierry Vanelslander, University of Antwerp, BE)
- ◆ Local Public Transport (Iain Macbriar, QV Associates, UK)
- ◆ Rail Planning and Policy (Mark van Hagen, NS, NL)
- ◆ Global Trends Impacting Transport (Jan Kiel, Panteia, NL)
- ◆ Data (Johnny Ojeil, Arup, UK)
- ◆ Young Researchers' and Practitioners' Forum (Ines Kawgan-Kagan, TU Berlin, DE)

### Conference Organisers - TfTP

Training for Transportation Professionals (TfTP) manages the European Transport Conference on behalf of the Association for European Transport. Please direct all correspondence about the European Transport Conference to:

European Transport Conference,  
c/o Training for Transportation Professionals,  
Forester House, Doctors Lane, Henley-in Arden,  
Warwickshire, B95 5AW.

Telephone: +44 (0) 1564 793552  
Email: [sabrina.winter@aetransport.org](mailto:sabrina.winter@aetransport.org)

### Conference Management Team

The conference is managed by representatives of the Association for European Transport and Training for Transportation Professionals.



 [www.aetransport.org](http://www.aetransport.org)

 @EuTransportConf

 AET European Transport Conference (ETC)

ETC is supported by:



An Roinn Iompair  
Turasóireachta agus Spóirt  
Department of Transport,  
Tourism and Sport



Fáilte Ireland  
National Tourism Development Authority

