



The 45th European Transport Conference

Annual Conference of the Association for European Transport



Where research, policy and practice in transport come together



04-06 October 2017: Casa Convalescència, Barcelona, Spain

ETC 2017 is supported by:



Why attend the European Transport Conference?

Each year the conference presents the opportunity to interact with an extensive range of speakers across the Transport Industry. This year, plenary speakers include Francesc Muñoz, Director Observatori de la Urbanització, Universitat Autònoma de Barcelona who will present the keynote address, 'Barcelona in the 25 years since the Olympic Games.' Transports Metropolitans de Barcelona (TMB) will also present a session 'Looking to the Future for Barcelona.'

Robust research sessions

In addition to first-class speakers, research sessions are also a key element of the conference. Its reputation has been built on this important interface and knowledge transfer between research, policy and practice. Where applicable, speakers are asked to draw out the policy implications of research and not concentrate solely on the design and operation of a model. Equally, 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 can vote to shape the contents of the conference itself, therefore adapting it to the needs of the attendees. Every year the evolving conference looks to recruit a more diverse, inclusive and representative Europe wide membership. This is to ensure it remains relevant to the essential transport issues of the day and reflects the needs of the current members.

Networking with international colleagues

The conference provides an excellent opportunity for all participants to engage with transport experts from around the world and become part of a specialist association. Attendance at ETC allows different groups to pose questions to fellow professionals and to assess what is possible within their community.

Conference programme

Delegates are able to download the conference programme from the website and will be provided with a conference guide in Barcelona. On-line access to papers is provided to delegates prior to the conference.

Digital archive

All conference papers, dating from 1996, are archived on the [ETC Proceedings website](#), where they can be downloaded easily and permanently for the international transport community.

Publication of papers

Delegates are able to download the conference programme from the website and will be provided with a conference guide in Barcelona. On-line access to papers is provided to delegates prior to the conference.

Open access

The organisers of ETC - The Association of European Transport - believe that research papers being published openly online will help future progress in transport, environmental and technical areas. Further links with peer-reviewed journals are being planned to increase the availability and exposure of research presented at the conference.

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:

› **Connected and Autonomous Vehicles:**

Discussing big data, 'Intelligent Highways, Intelligent vehicles, Intelligent Data, Intelligent Models?' Looking at next the four years of transport development and its implication for transport planning and modelling.

› **Value of Time**

A keynote presentation by Professor Mogens Fosgerau, DTU (Technical University of Denmark), followed by sessions covering, 'Value of Enjoyment Time' looking at whether a train ride can be enjoyed, and how the time

is used. Plus 'People and the Value of Time' asking whether individuals have different preferences as consumer and citizen.

› **National Travel Surveys**

Including sessions on 'Treatment and cleaning data in mobility surveys' discussing the case of EMEF in the Barcelona metropolitan region and 'Innovation of the Dutch National Travel Survey' looking at implementation of the new design.

› **Mobility as a Service (MaaS)**

Starting with 'Developing a new Mobility as a Service concept' and also looking at 'Why public transport is an essential part of Mobility as a Service'. These sessions will also examine 'What role for public authorities in the development of Mobility-as-a-Service?' using Helsinki as a case study.

› **Young Researchers' and Practitioners' Forum (YRPF)**

ETC 2017 will once again include a special forum for 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 asked to approach Sally Scarlett during the conference or to email her at: sally.scarlett@aetransport.org

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



ETC 2017: What can you expect?

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

The 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 great opportunity for networking and forming 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, the European Transport Conference provides a forum for the presentation of, and discussion on, robust and affordable responses.

Format of the conference

The conference will be held over three days from Wednesday 04 to Friday 06 October 2017. Optional social events will be offered during the evenings and networking opportunities are available throughout.

There will be a mix of plenary sessions, some debates and parallel workshop sessions. Each day, there will be a minimum of 9 parallel sessions, in sessions of 1.5 or 2 hours, with between three and four papers presented in a themed session. 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 03 October at Casa Convalescencia, 2000- 2100
- › Lunchtime walking tour on Wednesday 04 October including the exterior of Sant Pau Hospital, Gaudi Avenue and outside Sagrada Familia
- › Civic Reception on Wednesday 04 October at the historic Barcelona City Hall, including a tour of the building presented by Ajuntament de Barcelona.

- › Conference Dinner Thursday 05 October at Fabrica Moritz, with pre-dinner drinks sponsored by TSS.



- › Technical Visits, including:
 - A visit to the Port (Freight and Logistics committee)
 - The new bus route system, including management of the tourist buses (Local Public Transport committee)
 - TMB Metroline
 - Mobility Management Centre: Where the city traffic lights, TV cameras, variable message signs, and bollards controlled.
 - Bicycle tours

Additional sessions

- › This year IFFSTAR (Institut Français des Sciences et Technologies des Transports) will be hosting a meeting regarding ETNA2020 services.

Wednesday 04 October 2017

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

Opening session 0930-1100 Aula Magna	Themes	Session 1 1130-1330	Session 2 1500-1630	Session 3 1700-1900
<p>Conference Opening Introduction to AET and ETC Conference arrangements.</p> <p>Perluigi Coppola, Chair of the Board, Association for European Transport</p> <p>Welcome from Barcelona City Council</p> <p>Keynote Address: 'Barcelona in the 25 years since the Olympic Games' by Francesc Munoz Director, Observatori de la Urbanització Universitat Autònoma de Barcelona</p>	Connected & Autonomous Vehicles	Liability/Insurance issues of Connected & Autonomous Vehicles	Connected & Autonomous Vehicles	Connected & Autonomous Vehicles
	Intelligent Mobility – Management and Operations			Traffic Management
	Transport Economics, Finance and Appraisal	Application of Cost Benefit Analysis (CBA)	Value of Timetable Changes and Reliability	Integrated Models and their Application
	Transport Economics, Finance and Appraisal	Funding Alternatives	Special Cases in Appraisal	
	Planning for Sustainable Land Use and Transport	Transport and Cities	Equity	Mode Shift
	Rail Policy and Planning	Forecasting	Serving Markets	Enhancing the Customer Experience
	Local Public Transport	Governance	Propulsion	Networks
	Global Issues			Plans
	Freight and Logistics	Aggregate Freight Transport Modelling	Logistics Issues	Transport Law Issues
	Transport Models Stream 1	Big Data	Big Data OD	Cycling Innovation
	Transport Models Stream 2	Connected and Autonomous Vehicles	Short term AI and Deep Learning	Assignment



Thursday 05 October 2017

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

Plenary session 0915-1100	Themes	Session 4 1000-1130	Session 5 1200-1400	Session 6 1530-1730
Looking to the Future for Barcelona Chief Executive Transports Metropolitans de Barcelona	Value of Time	Keynote presentation 1030 - 1130 Professor Mogens Fosgerau, DTU, DK	Value of Enjoyment Time	People and the Value of Time
	Mobility as a Service		Mobility as a Service	Mobility as a Service
	Intelligent Mobility – Management and Operations	Connected and Autonomous Vehicles	Technology	Electric Vehicles
	Global Issues			Emissions
	Planning for Sustainable Land Use and Transport	Land Use Transport Interaction (LUTI)	Transit Oriented Development (TOD)	Travel Behaviour
	Rail Policy and Planning	Reform	New infrastructure: new passengers	Power Forecasting
	Local Public Transport	Technical Visit	Innovation	Fares, Ticketing and Customers
	Freight and Logistics	Sustainable Urban Logistics	Cargo Bikes in Urban Logistics	Sustainable Long Distance Transport
	Transport Economics, Finance and Appraisal	Modelling Transport – Miscellaneous		
	Transport Models Stream 1	Trip Generation Car Ownership	Trip Generation	Big Model Innovative Methods
	Transport Models Stream 1	Activity-Based Modelling	Activity-Based Modelling for Electric Vehicles	
	Transport Models Stream 2			Assignment Meso
	Transport Models Stream 3	National Travel Surveys	National Travel Surveys	National Travel Surveys
Young Researchers' and Practitioners' Forum		Game changer in mobility and transport research	A new generation of research combining innovative methods with practice and research	



Friday 06 October 2017

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

Themes	Session 7 0930-1100	Session 8 1130-1330	Session 9 1500-1630	Closing session 1630-1730
Value of Time	Value of Time	Value of Time and Perception	Value of Time and Perception	Closing of the 45th European Transport Conference Keynote presentation Presentation of the awards Reception with wine and canapés
Mobility as a Service	Mobility as a Service	Mobility as a Service	Mobility as a Service	
Transport Economics, Finance and Appraisal	Equity		Wider Impacts	
Autonomous Vehicles		Autonomous Vehicles		
Planning for Sustainable Land Use and Transport	New Technologies		Dialogue session Thinking futures: how to embrace uncertainty in policy making?	
Rail Policy and Planning	Session Chair: The Port of Piraeus: opportunity for railways in South East Europe?	Dialogue session – presentation and interactive discussion		
Local Public Transport	Light Rail	Mobility as a service	Visit to metro lines 9 and 10	
Freight and Logistics	Rail, Port and Air Freight	Freight Transport Policy	Ports and Terminals	
Freight and Logistics			Discussion Session The white van man is a blind spot in transport research	
Global Issues		Policy Making	Trends and Scenarios	
Transport Models Stream 1	Air Quality/Demand Modelling			
Transport Models Stream 2	Big Models	Modelling Air Travel		
Young Researchers' and Practitioners' Forum	Multimodality and new mobility services: opinions and acceptance	Transport Networks between Routing, Traffic Flow and Build Environment - Perspectives from Different Modes and Scales	Risks and Potentials of New Infrastructure and Technology	
Transport Models		Pedestrian Microsimulation		

Booking details

The Conference's move to Barcelona has provided a great opportunity to involve more colleagues from Spain 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 the following attendees:

- › From new member states of the European Union (those who joined in 2004, 2007 and 2013)
- › Young professionals (those 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
AET or ECTRI* Members						
- Individual Member	£300	€360	£595	€720	£795	€960
- Organisation Member	£290	€350	£575	€700	£760	€920
Non-Members	£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 www.etcbookings.org or complete and return the enclosed booking form.



We are grateful to Ajuntament de Barcelona for their financial support towards ETC 2017.



Attendee information

Venue

The conference will take place at: UAB – Casa Convalescència, Sant Antoni Maria Claret, 171, Barcelona, 08041, Spain

Accommodation and travel

Delegates are responsible for their own travel plans and medical insurance.

As Barcelona 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@tftp-training.co.uk

Visa and entry requirements

Delegates who need a visa to attend the conference should ensure they apply early to the Spanish 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@tftp-training.co.uk

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@tftp-training.co.uk

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@tftp-training.co.uk

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.

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 publications and 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
- › A membership database for making contacts 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

The Association General Assembly

The Association for European Transport will hold its General Assembly on Thursday 05 October at 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

The Programme Committees (and their chairs) in place for ETC 2017 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, TSS, 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 Issues (Jan Kiel, Panteia, NL)

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:

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Conference Management Team

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



www.aetransport.org

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ETC 2017 is supported by:

