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CALL FOR CONTRIBUTIONS



EUROPEAN CONGRESS

TOULOUSE
30 May - 1 June 2022

Smart and Sustainable
Mobility for all.

To discuss or apply for partnership opportunities, please contact our Partnership Team
sales@mail.ertico.com


ORGANISED
BY



HOSTED
BY



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JOIN US IN TOULOUSE

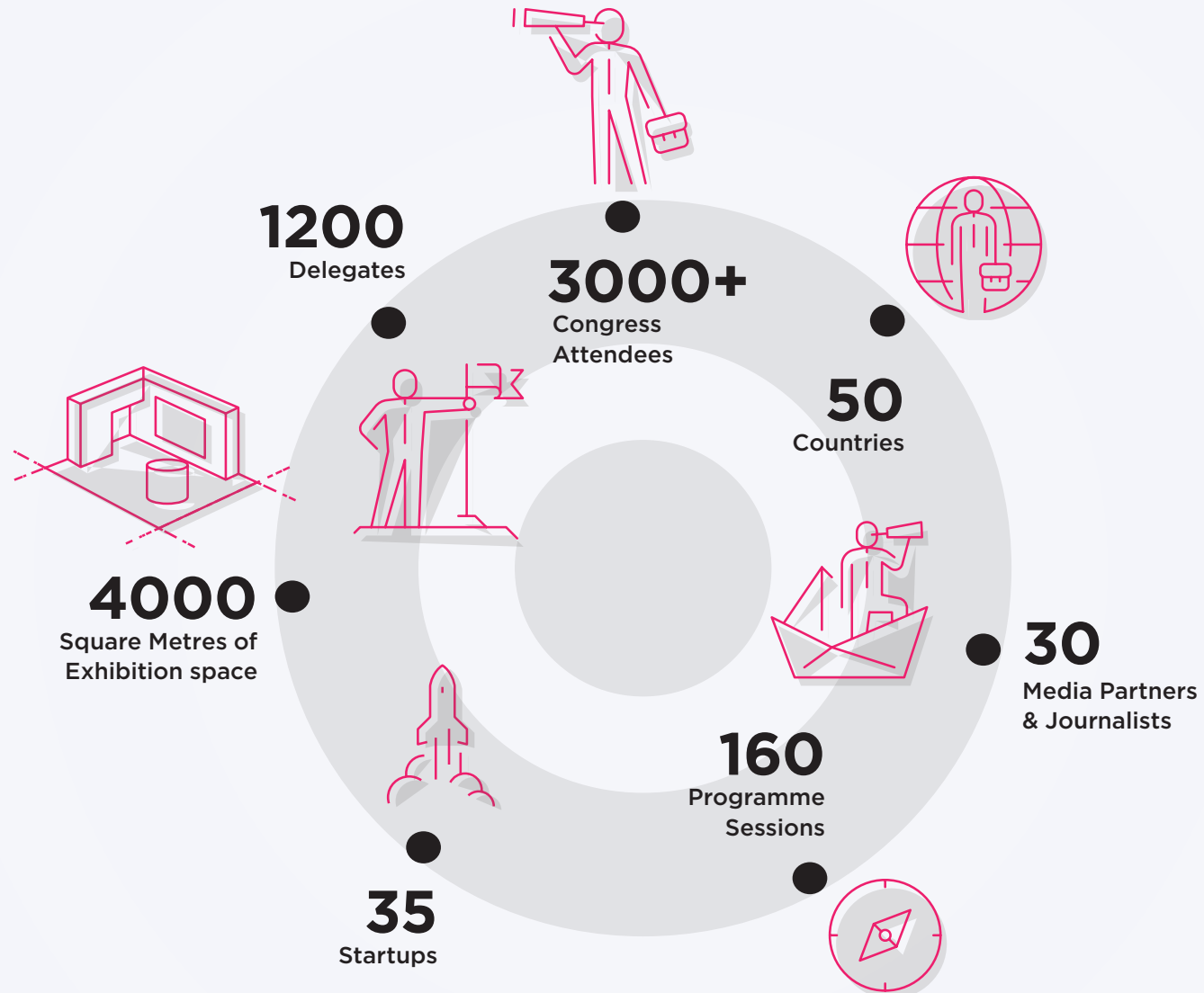
for the ITS European
Congress towards

Smart and Sustainable
Mobility for all.

A unique opportunity

What to expect

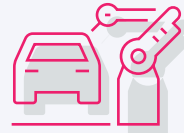
- Exchange information with 3000 industry stakeholders and influencers
- Discover the latest smart mobility solutions
- Develop your brand with business & partnership opportunities
- Be part of a state-of-the-art exhibition



A unique opportunity

#Our Delegates

- Network with a range of public and private European ITS stakeholders
- Experience the latest mobility trends and solutions with over 100 inspiring companies and organisations



**Automotive
Manufacturers**



**ITS National
Associations**



**Road Operators
and Concessionaires**



**Consulting
Industry**



**Municipalities
and City Councils**



**National & Regional
Transportation
Authorities**



System Integrators



**Infrastructure
Operators**



AI for Transportation



Regulators



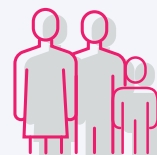
**Telecommunication
Operators**



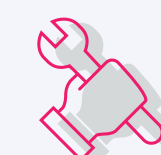
**EU Commission and
Intergovernmental
Organisations**



**Academic & Research
Institutions**



**Users and Consumer
associations**

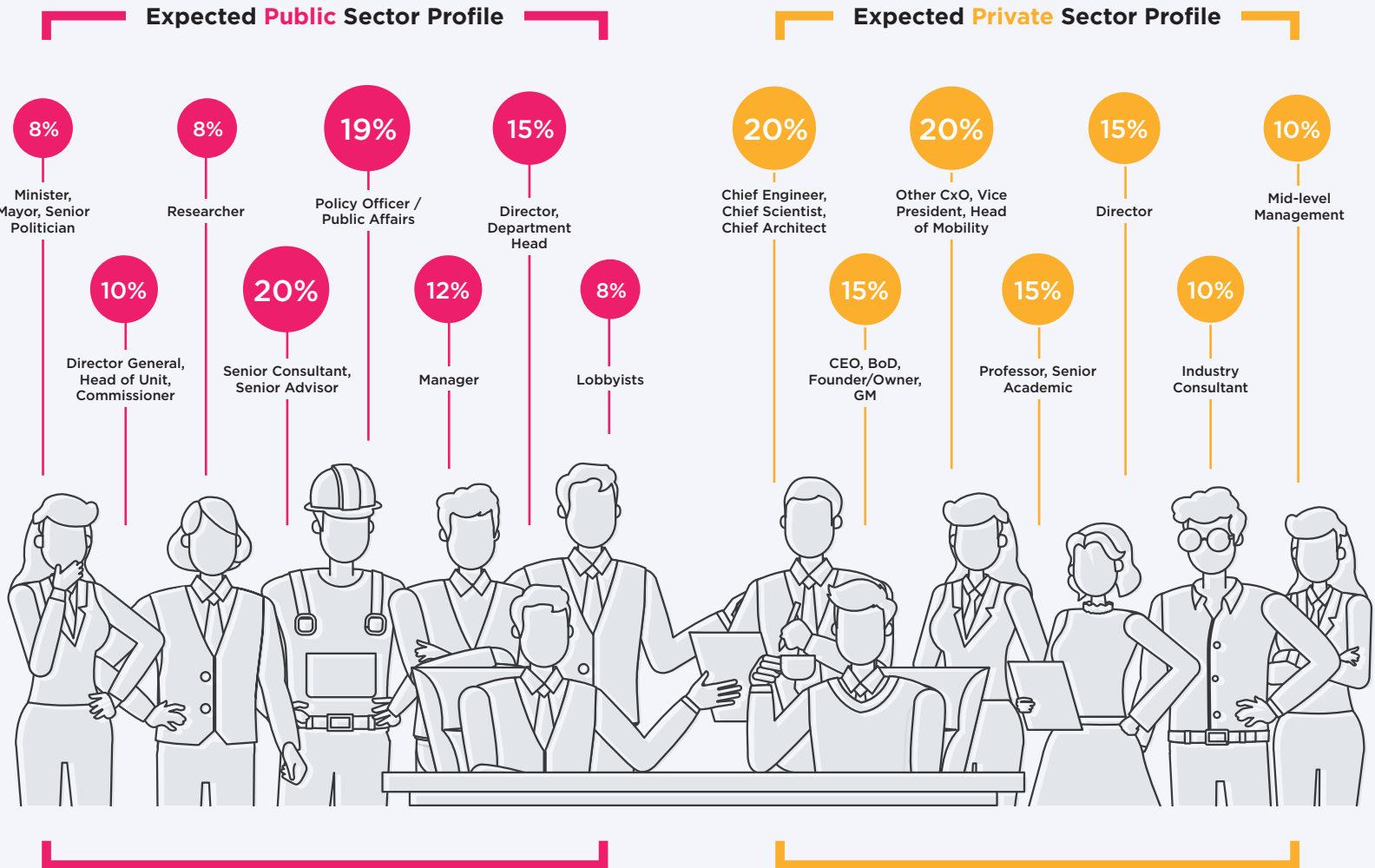


Suppliers

A unique opportunity

Participant Profile

- Hear from top mobility experts, CEOs, CTOs and key decision makers that shape the future of ITS today



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ERTICO - ITS Europe is a public-private partnership of 120 companies and organisations representing service providers, suppliers, traffic and transport industry, research, public authorities, user organisations, mobile network operators, and vehicle manufacturers.

Together with our Partners, we develop, promote and deploy Intelligent Transport Systems and Services (ITS) through activities including European co-funded projects, innovation platforms, international cooperation, advocacy and events. Our work focuses on Connected & Automated Driving, Urban Mobility, Clean Mobility, and Transport & Logistics.



Toulouse is the capital of the French department of Haute-Garonne and the Occitanie region and an important hub for business in the region with many connections in particular related to the aeronautical industry.

Known to locals as La Ville Rose (The Pink City) after the distinctive pink stone used to construct many of its buildings, Toulouse is one of France's most historic and fascinating cities.

Modern cities such as Toulouse face numerous challenges and ambitious targets for addressing climate change, economic growth and urban development, and these will be of key focus at the ITS European Congress Toulouse in 2022.

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ERTICO-ITS Europe and Toulouse Métropole will proudly host the 14th European ITS Congress in Toulouse, from 30 May to 1 June 2022. The event will take place at the newly built Exhibition and Conference Centre MEETT - conveniently located near the Toulouse-Blagnac Airport.

The ITS Congresses represent the ultimate showcase of mobility services deployment and are the means for the ITS Community to keep pace with the fast-paced evolution of the industry. With its up-to-date Programme and Demonstrations that embrace the latest in smart mobility and the digitalisation of transport, this event offers both learning possibilities and opportunities to network with some of the most active players in the industry.

The ITS Congresses underline the importance of Intelligent Transport Systems (ITS), particularly in cities and regions, where they are hosted and are important channels to raise awareness of smart mobility solutions among policy makers, experts and the general public.

Exhibiting and commercial partnerships are vital in contributing to the actuality and success of a Congress, showcasing big ideas and innovative solutions to smart mobility experts from around the world.



Lisa Boch-Andersen
Director of Communications,
Congresses and Events

Join us there!

A handwritten signature in black ink that reads "Lisa Boch-Andersen". The signature is fluid and cursive, written on a white background.

JOIN US IN TOULOUSE

for the ITS European Congress towards

Smart and Sustainable Mobility for all.



Adina Vălean
European Commissioner
for Transport



Mariya Gabriel
European Commissioner
for Innovation, Research,
Culture, Education and
Youth

Welcome to the 14th ITS European Congress

The European Commission would be very pleased to welcome you to the 14th ITS European Congress, to be hosted in Toulouse from 30 May to 1 June 2022.

The main theme of next year Congress, **Smart and Sustainable Mobility for all**, illustrates the capacity of Intelligent Transport Systems, digitalisation and automation to play a radical role for climate change mitigation, enhancement of safety and efficiency in the mobility and transport sector. Given the maturity of Intelligent Transport Systems, this year's discussions will present a holistic perspective of how ITS is changing mobility and life.

The Congress constitutes the perfect place for stakeholders to share experiences and develop their knowledge on the latest technology and policy developments in the field. It also offers a great opportunity to start partnerships to change mobility together.

This year, the event will display the host city's latest achievements in the field of intelligent mobility services and their link to the city's changing mobility vision and strategy. In this context, the Congress will dive deeper into critical issues, such as connected and automated mobility, new mobility services, transport network design and transport network operations.

The Congress will also display how the host city's collaborations of the private and public sectors have encouraged the deployment of safe, affordable and efficient solutions.

The Congress will showcase 'green' mobility, including ways to enhance consumer buy-in and user engagement, and the latest technology developments such as urban air mobility.

We truly hope you will participate and enrich the Congress with your experience, enthusiasm and knowledge on how to ensure that Intelligent Transport Systems can bring better services, new solutions and business cases to support European economy.

Looking forward to seeing you in Toulouse,

Yours faithfully,



JOIN US IN TOULOUSE

for the ITS European
Congress towards

Smart and Sustainable
Mobility for all.



Jean-Luc Moudenc
President of Toulouse Métropole,
Mayor of Toulouse

Dear friends

From 30 May to 1 June 2022, the 14th ITS European Congress will take place at the MEETT exhibition centre.

Our wider metropolitan area is particularly proud to be able to host this event at a facility of this calibre. It is indeed a major event centred around smart mobility, which, over the years, has become a genuine showcase for cutting-edge technology.

Both Toulouse and the surrounding region have excelled in the space sector, but today they also stand out when it comes to the more intelligent, autonomous and connected transport of the future.

Certified French Tech, our region has already participated in two international smart city prizes and is continuing to flourish in this area. Toulouse defines itself as a laboratory city, focused on developing new forms of mobility.

Specifically, and thanks to our savoir-faire, we would like to transform Toulouse Métropole into a centre of excellence for smart mobility.

Which, incidentally, is the main theme of the ITS Congress, and we are especially proud not only to host this event but also to take part in it, as Bordeaux and Strasbourg have done before us in 2015 and 2017 respectively.

We look forward to seeing you for this great event.

Yours faithfully,

A handwritten signature in blue ink that reads "Jean-Luc Moudenc". The signature is written in a cursive style and is positioned above a horizontal line.

JOIN US IN TOULOUSE

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ATEC ITS France is delighted to welcome our French and international colleagues to the 14th ITS European Congress in Toulouse.

We have been really pleased to support Toulouse Metropole and the Occitanie Region on making the Congress happen, and now we look forward to sharing an informative, productive and enjoyable week with you all at the event.

Toulouse and its territory, thanks to an industrial history that is defined by the aeronautics and space sectors, has been able to capitalise on its skill-set in order to broaden its horizons and transform the city into a major hub for the development of the vehicles of the future; more intelligent, more autonomous and more connected. All the businesses that make up this local ecosystem in Toulouse currently represent the entire value chain of the mobility sector.

Here we find the savoir-faire that lies at the heart of the design, testing and manufacture of on-board systems right through to new mobility services and includes vehicle manufacturers, energy suppliers and all other associated infrastructures.

The Congress theme is **Smart and sustainable mobility for all** and many of us are busy making it happen. If we continuously take on board best practice and successes from elsewhere, we are more likely to make a good job of this.

This is the aim of the ITS Congresses, and we are really proud to be playing a leading role in the 2022 ITS European Congress, after Bordeaux in 2015 and Strasbourg in 2017.

We look forward to seeing you in Toulouse on 30 May - 1 June and to being able to share with you French achievements and capabilities in ITS.

Martial Chevreuil,

Président ATEC ITS France



Martial Chevreuil,
Président ATEC ITS France



Welcome to Europe's hub for innovation and smart mobility

The ITS Congress and Exhibition is Europe's largest event in intelligent transport systems and services.

The European Congress offers a platform for thought leaders, developers, entrepreneurs and decision makers from the transport, logistics and IT industries and the academic world to come together to share ideas and progress smart and sustainable mobility.

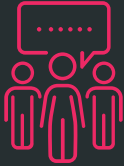
The 14th ITS European Congress will take place from 30 May to 1 June, 2022 at the newly built Exhibition and Conference Centre MEETT - conveniently located near the Toulouse-Blagnac Airport. Under the theme 'Smart and Sustainable Mobility for all', the Congress will focus on the wider importance of mobility in the context of innovation and ensuring a safe, smart and sustainable future for all citizens.

As the capital of the French department of Haute-Garonne and the Occitanie region, Toulouse is an important hub for business in the region and has many connections to ITS in particular related to the aeronautical industry.

During the Congress, Toulouse Metropole and ERTICO - ITS Europe will host the fourth edition of the ITS European Summit. City mayors and industry leaders from Europe will gather again to explore opportunities, experiences and strategies related to present and future contributions of ITS for seamless travel and sustainable, efficient and innovative mobility.

Congress topics

The Congress is organised under the five key topics listed below.



01

Services for citizens

Transport users want safe, efficient, effective and affordable services with the emphasis on 'mobility', the act of moving around, rather than the transport means to make it happen. They need reliable information and safe solutions before and during trips and easy-to-use payment and reservation processes.

Keywords include:

- MaaS, real-time information, predictability, ticketing and payment
- Data marketplaces/common data structures, security, privacy and ethics
- Safer mobility, accessibility, affordability
- Institutional & legal issues, regulation and de-regulation
- Micro-mobility and active travel
- Intelligent traffic and mobility management



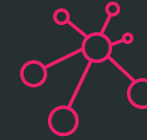
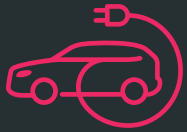
02

Next generation solutions

Intelligent Transport Solutions do not stand still because of improvements and extensions with established technologies such as maps and location services, telecoms, IT, etc. However, there is also a steady flow of new solutions and the introduction of large-scale concepts such as connectivity – anywhere, all the time, between everything. A key topic for concerns exploring transport in the third dimension.

Keywords include:

- Urban air mobility/3D mobility
- Digital twins, simulation & modelling
- Maps, mapping and geolocation
- Next-generation AI
- Next generation communications (5G, 6G and beyond), satellite services
- Autonomous transport and platooning
- Resilient digital infrastructure – extending reach and accessibility
- Data frameworks



03

Green and sustainable mobility

Transport accounts for roughly a quarter of Europe's greenhouse gas emissions and that figure is still increasing. Europe is addressing the implications of climate change through an ambitious package of policy measures aiming at becoming the world's first climate-neutral continent by 2050. To achieve the target a reduction in transport emissions of around 90% will be needed; road, rail, aviation, and waterborne transport will all have to contribute, and topics will have to be addressed upwards from an urban, citizen, level. This Topic will look at the paths to more affordable, accessible, healthier and cleaner mobility options and how to make transport sustainable to achieve 'enough, for all, for ever'.

Keywords include:

- Consumer buy-in and user engagement
- Decarbonisation and reduction of GHG emissions
- Electrification
- Hydrogen
- Investment in physical and digital infrastructure
- Sustainable transport policies

04

From large-scale trials to deployment

The very early years of ITS were primarily focused on research-related activities with large-scale trials and big demonstrations. The emphasis in recent years has been on looking at deployment and how to gain the most benefit from technologies and what we know about their operation. This has prompted a variety of types of "real-world" testing which the Topic will look at.

Keywords include:

- Lighthouse cities and hubs
- Living labs
- Pilot projects and demonstrations
- Simulation & modelling
- Transferability of solutions
- System engineering and architecture
- User behaviour and acceptance

05

Cities as logistics hubs

The people who live and work in cities need to be supported by the supply of food, raw materials and finished products, and the removal of goods, waste and packaging. Cities, and the corridors between cities, railheads, ports and airports, have a mix of passenger and freight traffic that requires careful management of road space. This Topic looks at established and emerging techniques for minimising impact while maximising efficiency and effectiveness such as logistics hubs – centres for the collection, separation and redistribution of goods for national and international transit.

Keywords include:

- Co-modality/inter-modality, multi-modal green hubs
- Delivery parking and secure parking
- Distribution hubs
- Green vehicle routing
- Data sharing platforms, logistics platforms, interoperability
- Zero emissions last mile (cargo bikes, active modes)

ITS European Congress

Presentations, Demonstrations and state-of-the-art Exhibition under one roof!
Valuable knowledge source and showcase of the latest innovations

The 14th ITS European Congress will host various discussion sessions with top mobility experts on key topics in the transport industry today, presenting a strategic opportunity for all mobility stakeholders to come together, share knowledge, exchange best practices and make the necessary contacts to develop their businesses.

Plenary and Specialist Sessions will be organised in streams focussing on topical mobility issues. Global leaders, policymakers, invited high-level industry executives, public officials and academics from around the world will draw from their experiences to share their views on ITS achievements, opportunities and challenges.



PLENARY SESSIONS

Influential executives and industry leaders will address key, cross-cutting ITS issues in Plenary sessions, which are open to all categories of Congress registrants. All attendees are welcome to join the Opening and Closing Ceremonies as well as the Plenary Sessions.



SPECIALIST SESSIONS

These sessions offer experts from the ITS community an opportunity to address the status of mobility from a technical perspective, focussing on research and innovation, and the impact related to the deployment of new technologies.



Technical / Research Paper Sessions

These sessions cover practical, economic, technological, organisational and societal aspects of ITS. They aim to encourage the exchange of information ranging from improving the operational use of systems and deployment of services to research and development in support of new applications. All papers include well reported results and clear conclusions about the contribution of the work to the body of knowledge and justification of novelty.



Special Interest Sessions (SIS)

Organised at the request of groups of international experts developing and deploying ITS, these sessions provide the opportunity to focus on specific topics of interest and delve deeper into the state of the art, the remaining challenges and future trends.

Call for Contributions

The European Programme Committee invites authors to submit papers and Special Interest Session (SIS) proposals to be considered for presentation and publication at the ITS European Congress in Toulouse.

Call for Technical and Research Papers

Papers may address the institutional, business, societal and economic aspects of ITS as well as technical subjects.

Requirements

- **Technical Papers** must describe work within the state of the art which demonstrates originality. For instance, they will be expected to describe the implementation of a new solution that improves practice and from which others can learn, or the outcomes of practical work, trials, demonstrations and pilots. They might also showcase government and industry partnership in adopting innovative technologies.

Technical Papers must be a minimum of 5 and a maximum of 10 pages.

- **Research Papers** must describe work which leads to new learning and advances the state of the art by adding something new or addressing a known weakness. They will be expected to show scholarship, innovation and analysis of new types of problem or/and solution rather than different approaches to previously researched areas.

Research Papers must be a minimum of 9 and a maximum of 12 pages.

- A draft submission must contain enough detail and content for the reviewers to be able to judge the paper appropriately.
- All Paper submissions must be in the template on the submission portal.
- The official Congress language is English; papers that are partly or fully in a different language will be rejected.
- Contributions can only be submitted through the online submission system.

Note: Research Paper submissions judged as not matching the expected criteria may still be accepted as Technical Papers if considered fitting.

IET Journal publication

To enhance the scientific quality of Congresses the Organising Committee has an agreement with the Editor-in-Chief of IET Intelligent Transport Systems (IET ITS), an SCI-E (ISI) and EI indexed peer-reviewed journal that has published papers from previous ITS World and European Congresses since 2006.

See: www.ietdl.org/IP-ITS

Review Procedure

External and Independent reviewers award a score and comment on the papers using these six criteria:

- An easy to understand text of an appropriate length
- A clear summary of the scope, methodology and outcome of the work
- Sufficient data to support the findings and conclusions, and applicable elsewhere
- Existing work well described and properly referenced
- Appropriate and properly argued conclusions
- A significant contribution to the state of the ITS art or practice

Authors will be informed about the acceptance status of their papers by the deadline communicated:

- Papers not meeting the minimum requirements will be rejected.
- Conditionally accepted papers will require authors to address the reviewers' comments before being fully accepted.
- Authors of fully accepted papers will have a chance to update them closer to the Congress date.

Please note:

- Authors can submit a **maximum of THREE papers** and will not be allocated more than **TWO speaking opportunities** for presenting their papers.
- **Publication and presentation at the Congress are subject to registration to the Congress and payment of the registration fees.**
- Acceptance of Papers is not linked to Sponsorship, which is negotiated separately.

Shortly after the close of the Congress authors of research papers that are considered suitable for expansion and academic publication will receive a formal invitation to submit an updated and enhanced paper. Papers will go through the journal's standard peer-review process and, if accepted for publication, will be indexed in the citations databases.

Call for Special Interest Session Proposals

SISs are organised by organisations or experts developing and deploying ITS and are an opportunity to delve into topics and offer fresh perspectives and insight.

Requirements

- All proposals must be submitted online, in English, and will not be considered unless the name, organisation, country and email address of the moderator and at least three confirmed speakers are listed.

Review Procedure

Reviewers from the European Programme Committee will use these criteria to approve sessions:

- Relevance to the overall Congress theme and chosen topic
- An interactive format rather than a series of presentations
- A discussion topic not featured in previous Congresses
- Proposals tackling a broad area rather than a single project
- An indication of what the individual speakers will contribute to the discussion
- A diverse and gender-balanced mix of moderators/speakers, with three confirmed speakers

Organisers will be informed about the acceptance status of their sessions by the deadline communicated: sessions:

- Relevance to the overall Congress theme and chosen topic
- Some sessions may be asked to merge to avoid duplication
- Speaker confirmations will also be requested

Please note:

- Organisers may submit a **maximum of THREE** session proposals and will not be allocated more than **TWO proposals**.
- **Presentation at the Congress is subject to registration and payment of the registration fees.**
- Accepted sessions whose **speakers are not registered by the given deadline will lose their slots** in favour of others from the reserve list.

For all Submissions

- Detailed guidelines are available on the submission portal.
- Each completed submission will receive an auto-generated acknowledgment email with the ID number and contact details of the submitter. This confirmation of receipt does not signify acceptance.

Attendance and presentation options at the Congress are in-person only.

Key Dates

Submission opens	1 December 2021
Call for contribution deadline	24 January 2022
Status notification to submitters	From mid-March 2022

How to be part of the ITS European Congress?

Exhibitors and Commercial partners are key in contributing to the success of a Congress.

The exhibition gives you exceptional access to the entire ITS Community. Attracting everyone from the most established, innovative and recognisable companies and key opinion leaders in the mobility sector. By exhibiting, you position yourself in the marketplace for the future of mobility.



Exhibition and Commercial Partnership

Commercial partners have direct access to high profile industry leaders, meeting face to face with more than 3000 industry experts and thought leaders. Partnership also provides invaluable networking opportunities, offering a social environment to meet Congress attendees and speakers to create new business solutions.

Learn more about our packages and become a commercial partner and position yourself as a leader in smart mobility and transportation technology.



Programme

The ITS European Congress 2022 invites organisations from the broad spectrum of the ITS ecosystem to play a role in the ongoing development of smart mobility. The Congress Programme offers delegates an unparalleled opportunity to learn about the latest ITS technologies and new mobility concepts.

Experts, researchers, policy makers, solutions providers from the mobility sectors (and beyond) are invited to submit contributions for various types of sessions to share innovative ideas and lessons learnt, discuss mobility challenges that cities are facing today and how they can be addressed through ITS solutions.

Join the discussion on Smart and Sustainable Mobility for all.



Demonstrations

Demonstration projects have always been seen as one of the most appealing parts of the ITS European Congress, especially from participant perspectives. They are perceived as a great opportunity for companies to present their state-of-the-art products and solutions in real-life scenarios - creating a higher impact. The demonstrations give the participants the opportunity to test new products and services and gain a real experience, hence creating a deeper understanding.

Demonstrations will take place at the venue and additionally on the Public Road at the test track for automated and connected driving (TAVF) in the middle of Toulouse's city centre.

European Programme Committee

Lisa	Boch-Andersen (Chair)	ERTICO - ITS Europe	Belgium
Jean-Claude	Dardelet	Toulouse Métropole	France
Abdulkader	Ahmed	Road & Transport Authority	United Arab Emirates
Salahaldeen	Almarzooqi	Road & Transport Authority	United Arab Emirates
Ashweeni	Beeharee	Satellite Applications Catapult	United Kingdom
Rita	Bhandari	ERTICO - ITS Europe	Belgium
Gert	Blom	Gemeente Helmond	The Netherlands
Representative TBD	Representative TBD	ITS Portugal	Portugal
Darren	Capes	Department for Transport	United Kingdom
Charlie	Castellon	Agence d'attractivité de Toulouse Métropole	France
Victoire	Champenois	European Commission, DG MOVE	Belgium
Fiammetta	Diani	European Global Navigation Satellite Systems Agency (GSA)	Czech Republic
Harry	Evers	ITS Hamburg GmbH	Germany
Frank	Foersterling	Continental Automotive	Germany
Norbert	Handke	ITS Germany	Germany
Zeljko	Jeftic	ERTICO - ITS Europe	Belgium
Delphine	Krieger	City and Eurometropolis of Strasbourg	France
Stephanie	Leonard	TomTom	Belgium
Meng	Lu	Dynniq	The Netherlands
Panagiotis	Lytrivis	ICCS	Greece
Patrick	Mercier-Handisyde	European Commission, DG RTD	Belgium
Christian	Micas	European Commission, DG CONNECT	Belgium
Representative TBD	Representative TBD	Lisbon Municipality	Portugal
Ahmed	Nasr	HERE	Germany
André	Perpey	NeoGLS	France
Stéphane	Petti	European Investment Bank	Luxembourg
Eetu	Pilli-Sihvola	Finnish Transport & Communications Agency (Traficom)	Finland
Eric	Sampson	ERTICO - ITS Europe	Belgium
Malika	Seddi	Asecap	Belgium
Delphine	Soubies	ERTICO - ITS Europe	Belgium
Johanna	Tzanidaki	ERTICO - ITS Europe	Belgium
Margriet	van Schijndel-de Nooij	Eindhoven University of Technology (TU/e)	The Netherlands
Joost	Vantomme	ACEA	Belgium
Volker	Vierroth	T-systems	Germany
Sascha	Westermann	Hamburger Hochbahn	Germany
Cordelia	Wilson	ERTICO - ITS Europe	Belgium



EUROPEAN CONGRESS

TOULOUSE
30 May - 1 June 2022

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Mobility for all.

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#ITSTOULOUSE2022

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