



13th ITS EUROPEAN CONGRESS FULFILLING ITS PROMISES

Brainport Eindhoven, the Netherlands | 3-6 June 2019

Call for Contributions

www.2019.itsineurope.com



Organised by:



Hosted by:



EINDHOVEN

Gemeente Helmond



Supported by:



Ministerie van Infrastructuur
en Waterstaat



Brainport
Development

Provincie Noord-Brabant

Fulfilling ITS Promises

Relationship between
Innovation and Society.





Jacob Bangsgaard,
CEO, ERTICO – ITS Europe



Welcome to the 13th ITS European Congress 2019

On behalf of ERTICO – ITS Europe and its Partners, I would like to welcome you to the 13th ITS European Congress hosted by the cities of Eindhoven and Helmond in the region of Brainport from 3 to 6 June 2019.

With the theme of this Congress, “Fulfilling ITS promises”, we want to show what ITS can do and how we can reach forward to fully exploit the potential of smart mobility. In 2011, Brainport was named the smartest region of the world by the Intelligent Community Forum; it is well known and recognised for its innovations and

pioneering spirit in making solutions available for the society benefit.

As organiser of the Congress, ERTICO is always looking at cities who dedicate their efforts and resources to advance mobility for the benefit of citizens and the business, and the cities of Eindhoven and Helmond are imposing themselves as leaders in Europe for cutting-edge technologies moving in this field. During the Congress, participants will be able to experience the most progressive smart mobility systems and services including connected and automated vehicles, a front-line digital

infrastructure and some of the most efficient freight transport networks.

All this will happen around two incredible locations; while the Congress main programme will unveil day by day at the outstanding Evoluon conference centre, demonstrations will run between Eindhoven and Helmond and end at the impressive Automotive Campus.

ITS Brainport will be a remarkable event and I very much look forward meeting you at the greatest annual gathering of the ITS community next June.

The European Commission is very pleased to invite you to the 13th European ITS Congress, hosted in the Brainport region in the Netherlands from 3rd to 6th June 2019.

The main theme of the Congress is “Fulfilling ITS promises”. It recognises that the large deployment of Intelligent Transport Systems, digitalisation and automation is creating a wide range of opportunities for smart and innovative mobility and transport solutions. This year’s theme also clearly links investments and deployment to benefits, with clear focus on demonstrating added-value, in particular on safety and sustainability.

Concepts such as “learning by doing” and “learning by sharing”, which guide smart mobility solutions in our host country, lead to new cooperation and business models, and accelerate the uptake of innovation. In that respect, the Congress constitutes an ideal

place for stakeholders to extend and share their knowledge on the latest technologies and policy developments in the field. It is also a great opportunity to initiate and launch partnerships that will forge the mobility of the future.

This year our hosts will also specifically look at social issues and workforce. This is very timely as the success of innovation will also depend on our capacity to prepare for the skills of the future, while ensuring a smooth and effective transition to that future. The Congress will delve deeper into other topical issues, such as moving from experiments to experiences in deploying new mobility services, using ITS to improve air quality, progressing on the path towards Connected, Cooperative and Automated

Mobility, enhancing the efficiency of freight transport and transport network operations as well as advancing the enablers of digital infrastructure.

We sincerely hope you can participate and enrich the Congress with your enthusiasm and experience, with your knowledge and perspective on how to translate disruptive technologies into solutions that deliver better outcomes and into business cases that support the European economy and make it a global pioneer.

Looking forward to seeing you in Brainport,

Yours faithfully,
Violeta Bulc, Mariya Gabriel
and Carlos Moedas



Violeta Bulc
European
Commissioner
for Transport



Mariya Gabriel
European
Commissioner
for Digital Economy
and Society



Carlos Moedas
European
Commissioner
for Research,
Science and
Innovation



Cora van Nieuwenhuizen,
Dutch Minister of Infrastructure
and Water Management

We firmly believe in the potential of intelligent transport systems (ITS) and smart mobility solutions. With millions of bikes, cars and trucks on our roads and some 4,500 daily train runs on a surface of only 41,000 square kilometres, we have to act. The challenges we face in terms of accessibility, road safety and liveability demand innovative and realistic solutions. Solutions that are both smart and green, and that are immediately applicable. No road to the stars, but concrete and above all realistic solutions to tackle these challenges effectively.

We look forward to welcoming you to the Netherlands for the ITS European Congress 2019 and showing you our reality. To achieve impact at national and international level, we're committed to taking things forward and going from start-up to scale-up. That means ensuring that our infrastructure is ready for the future and for connected and automated driving. It also means investing in digital connectivity to enable vehicle-to-infrastructure and vehicle-to-vehicle communication.

At a European level, we're participating in the Data Task Force to improve access to data. At the same time, we're aware of the potential drawbacks. That's why we're also investing heavily in data protection and cybersecurity. Our ultimate aim is that everyone – and road users in particular – will benefit from the new developments.

All these issues can't be dealt with separately. In the Netherlands, we strongly believe in the power of connectivity. Many of the new technologies are interlinked and have potential to reinforce each other. This, as well as the multifarious nature of ITS and smart mobility, will feature prominently in the 2019 Congress programme.

We are already sharing knowledge in an increasingly broad range of fields, with an increasingly broad range of target groups. After all, no one can move mountains alone. Only through joining forces and working together can we make our ambitions come true. We hope the congress will accelerate existing developments – both in the Netherlands and in Europe – and give stakeholders the tools they need so that we can fulfil our ITS promises together.

We look forward to welcoming you to the Netherlands' Brainport region and showing you our Dutch reality. We hope you will have an inspirational visit.



Matthijs van Miltenburg,
MEP, D66 / ALDE & ambassador
of the ITS European 2019 Congress

For European citizens it is important that our mobility system is safe, sustainable and efficient. Road transport is still one of the most common forms of transport and it is an important driver of our economy. At the same time, road transport is a major source of CO2 emissions and there are too many fatal accidents on European roads every year. Intelligent Transport Systems (ITS) are indispensable to further improve our mobility system and to make it more sustainable and safer. For this we must continue to stimulate technological innovations, not only through research, but also by putting these innovations into practice.

In my capacity as Member of the European Parliament (MEP) and as a resident of Brabant, I am very enthusiastic that we see many initiatives in the Brainport region in the Netherlands to take these steps. Governments, industry and knowledge institutions work intensively in the Brainport region on the further development and implementation of ITS systems. Here, not only the residents of the Brainport

region or the Netherlands benefit from it, but also other Europeans. The Brainport region, after all, plays an important role in the international transport of people and goods. In 2019 the ITS European Congress will take place in the Brainport region and I am really looking forward to that. In Eindhoven and Helmond you will witness practical applications of ITS. I would therefore like to warmly recommend this congress to you!

***“We must continue
to stimulate technological
innovations, not only
through research,
but also by putting these
innovations into practice”***



John Jorritsma,
Mayor of Eindhoven



Elly Blanksma,
Mayor of Helmond

As proud mayors of the cities of Eindhoven and Helmond, and hosting for the Netherlands, it is a great honour to be organising the 13th ITS European Congress at Brainport Eindhoven, our smart innovative region. It will be our great pleasure to welcome the more than 2,500 participants. Under the heading of 'Fulfilling ITS Promises', we are glad to offer a platform to the very latest in the field of smart mobility. The 2019 edition of the ITS congress will be different to other editions. Welcome to the region that is one total living lab. We will show you, in a concrete way, that our region is the ultimate showcase worldwide!

Why in Brainport Eindhoven?

That's easy: three quarters of the Dutch automotive sector is located in our region. We are a testing ground and living laboratory for smart mobility solutions. The Helmond Automotive Campus has grown in recent years into an international hotspot for the development of knowledge in the field of smart and green mobility. At the TU/e in Eindhoven, the latest insights into smart

mobility are thought up and developed by science and industry. Brainport Eindhoven is one of the fastest-growing regions in the Netherlands, with an average annual economic growth of 2.5% in the last ten years compared to an average national growth of 1.1%.

What does Brainport Eindhoven offer?

The first solar-powered car in the world, the Lightyear, will be completed next year, in Helmond.

In Eindhoven, DAF and VDL joined forces to present the first electric heavy goods vehicle. The TU/e launched the first separate electric car company, Amber, on the market. The A270 road between Eindhoven and Helmond serves as a unique testing road. A living lab, kilometres long, on which columns of driver-less lorries travel in single file (truck platooning).

Smart infrastructure which warns cyclists of hazardous situations, where sensors measure the air quality and smart traffic lights give priority to emergency services and logistics.

"We are a testing ground and living laboratory for smart mobility solutions"

How is that possible?

Because nowhere else in the world is there a technology region to be found where government, industry and knowledge institutions collaborate as closely as they do here. Entrepreneurship has been linked to innovation and creativity here for more than 125 years. This region has provided an ecosystem that is very successful economically and where the lines are short, the desire for collaboration is great, technology and design go hand in hand and where many ground-breaking innovations see the light of day. Where the mentality is to do, and show what we can do. That is why the Netherlands wishes to focus on the important step of actually implementing tested innovations. That is the only way we will be able to achieve a positive impact on our mobility.

The ITS Congress 2019 at Brainport Eindhoven is the meeting place for everyone involved in smart mobility and offers a unique opportunity to acquire new insights and form important networks. Outside the congress, both Eindhoven and Helmond (and the surrounding area) have much to offer in terms of gastronomy and culture. The dynamics of this evolved, historically-interesting region will surprise you and enhance your stay here.

Have a wonderful time at Brainport Eindhoven: the place where you can see and feel the future being created through collaboration and knowledge-sharing.



Nico Anten,

Executive Chairman Connexxion/ITS
Netherlands: the Dutch network for
smart and sustainable mobility

The Dutch are early adopters out of necessity. We have to be, because we are so small. Our hunger for innovation explains our reputation as a trading nation. Ever since the early 16th century technological revolution in shipbuilding led to a competitive advantage in shipping, the Netherlands owes much to its stakeholder-based approach towards economic development. Also when it comes to smart mobility, we stimulate public-private collaboration, in anticipation of deploying new technologies, realizing 5G coverage, or introducing automated driving on the public roads. We have the Smart Mobility Embassy as an intermediary between the Netherlands and the rest of the world. At an early stage, we invite the authorities, OEMs, the automotive industry, insurance companies and planners around the table, and then work together intensively to test and implement promising innovations.

So this is what fulfilling ITS promises is all about. The theme of the 13th European ITS Congress indicates the Dutch decisiveness, energy and ambition to anticipate the changing demand for transport services, green cities and spatial management. Together with all Connexxion members, I look forward to welcoming you to our Brainport region: The place-to-meet for everyone dedicated to smart mobility and digitization of transport. We warmly invite you to jointly fulfil all those ITS promises needed for our hopes and wishes for safety and sustainability, urban accessibility and resilient infrastructures.

“Our hunger for innovation explains our reputation as a trading nation. Ever since the early 16th century technological revolution in shipbuilding led to a competitive advantage in shipping”



The Event

Welcome to Europe's hub for innovation and smart mobility.

Join ERTICO – ITS Europe and the transport industry at the ITS European Congress in the Brainport region of Eindhoven–Helmond from 3–6 June 2019 – the place to find intelligent transport solutions and see how smart mobility services are integrated into society.

This year's Congress theme is 'Fulfilling ITS Promises'. Together we will show the world what ITS can do and how we can reach forward to fully use the potential of smart mobility in modern day Europe. The Brainport region forms part of Europe's technological backbone and enjoys global recognition as a centre for innovation and automotive solutions. This coupled with ERTICO's mission to keep up with the latest technology and smart mobility trends promises a Congress that will take us to the next level in research and deployment.

Venues

Evoluon Eindhoven

Noord Brabant Laan 1A
Eindhoven
www.evoluon.com

Automotive Campus

30 Helmond
www.automotivecampus.com



Call for Contributions

Congress Format

PLENARY SESSIONS

All attendees are welcome to join the Opening and Closing Ceremonies and Plenary Sessions dedicated key ITS issues addressed by major personalities from the ITS world and beyond.

EXECUTIVE SESSIONS

In these sessions high level industry executives, public officials and academics will draw from their experiences to discuss key topical policies, opportunities and challenges.

SPECIAL INTEREST SESSIONS

Organised at the request of groups of experts developing and deploying ITS, these sessions provide the opportunity to focus on specific topics of interest.

TECHNICAL/ SCIENTIFIC SESSIONS

These sessions are composed of presentations by international experts and will includes topics encompassing all technical, scientific, economic, organisational and societal aspects of ITS.

COMMERCIAL PAPER SESSIONS

Commercial Papers describe an activity aimed at generating or improving a specific product, device or idea for the market. Papers will be presented in groups with a moderator in the Exhibition area.





Congress Topics

Under the theme “Fulfilling ITS Promises”, the European Programme Committee is pleased to present the seven topics running through the three Congress pillars – Programme – Exhibition – Demonstrations:



Deploying new mobility services – from experiments to experience



A breath of fresh air



Connected, cooperative and automated mobility



Enhancing the efficiency of freight transport



Enablers of digital infrastructure



Transport network operations



Disruption, start-ups & future workforce

Help us to classify the subject of your paper or session proposal by selecting one of the following topics and one subtopic when making your online submission.

1

Deploying new mobility services – from experiments to experience

Users are increasingly focusing on convenience and access. Developments like mobility-as-a-service are driving changes in our public and private transport networks and supporting new mobility models. From a social perspective how do we promote mobility for all while the need to own transport assets reduces? How do we ensure that cities are accessible and get the benefits they expect from these new mobility services? How can we help new concepts progress from demonstrations to full deployment?

Subtopics:

- a. Learnings from MaaS implementations
- b. Deploying MaaS today
- c. Integration of services, modes and sectors
- d. New mobility opportunities, expectations and accessibility for all users
- e. Measuring impacts
- f. Governance, regulatory regimes, standards and interoperability

2

A breath of fresh air

In the push for better and more liveable cities how can we use ITS to improve air quality? Can we develop and integrate sustainable solutions in our physical infrastructure? Can we cope with the energy demands of a switch to alternative fuels? The environment needs to be seen as a whole eco-system. How can we use ITS in planning to reduce mobility spatial needs? How can we best integrate and deploy ITS in tomorrow's sustainable cities?

Subtopics:

- a. Measuring the environmental impact of ITS implementations
- b. Monitoring and improving air quality
- c. Data processing and energy efficiency
- d. Modelling and spatial planning
- e. Knowledge sharing
- f. Roles of ITS in meeting climate targets

3

Connected, cooperative and automated mobility

Vehicles are getting so smart that they are moving towards the vision of highly connected, cooperative and automated mobility – anticipating and adapting to traffic behaviour. But a key challenge is the transition phase that we are now entering. Connected and Autonomous Vehicles are already able to perform several tasks and promise a huge change in the private and public mobility and logistics sectors for all modes. But to benefit fully from these developments better international cooperation between government and industry and increased user acceptance are both required. What are the roles of public and private bodies and how do we envisage the governance?

Subtopics:

- a. Learnings from current implementations
- b. Reliability and liability
- c. Actions on policy
- d. International cooperation (includes authorities, industry and users)
- e. The changing role of infrastructure
- f. The transition phase and user acceptance
- g. Standards and cross-border solutions

4

Enhancing the efficiency of freight transport

The logistics sector is a key service in Europe and many logistics companies have optimised their individual supply chains. But how can we deliver an integrated solution to the customer while enabling flexible and sustainable allocation of cargo to different modes and routes? For a smart and sustainable logistics system we need to develop cooperation between cities, transport operators and logistics hubs. Sharing data and ITS solutions are key to this cooperation – how can we improve distribution in cities?

Subtopics:

- Best practice implementations
- Truck Platooning and other transport logistics modes of tomorrow
- “Last mile” distribution and delivery in cities and suburbs
- Integration of Ports and the cities
- Logistics as a service
- Digital logistics platforms

5

Enablers of digital infrastructure

Achieving a reliable and secure digital infrastructure for smart mobility is a European and international challenge. It requires stakeholders to work together in specific platforms or in important projects on large scale implementations. But what are the next steps towards deployment? How can we best integrate terrestrial and satellite services? How do we deal with issues like privacy, security and standardisation? And what is the impact of data protection and data-ownership within this sector? This requires an EU perspective, informed by lessons learned world-wide.

Subtopics:

- Best practice implementations
- Ubiquitous connectivity (including 5G, satellite communications and future networks)
- Geospatial Informatics (IoT & sensing from space)
- Policy, standards and harmonisation
- Positioning, timing and navigation systems
- Data-ownership, Privacy & security

6

Transport network operations

Data is the new fuel for our transport system promising new management opportunities for multimodal mobility but the deployment path is unclear. Managing traffic is increasingly about managing networks and providing reliable information to users. For service providers the challenge is to work with traffic managers to reduce overall travel time for the community while giving optimal services to individual customers. What data-sharing and collaboration is needed to achieve this and also ensure cross border solutions?

Subtopics:

- Best usage of existing systems
- From pilot projects to full scale deployment
- Data Analytics and handling Big Data
- Simulation and modelling techniques (including AI)
- Service providers in the new traffic management eco-system
- Cross Border Solutions including standards and interoperability

7

Disruption, start-ups & future workforce

Smart Mobility solutions are changing our behaviour and expectations, but what happens when these solutions start to be disrupted? What will be the impact of emerging technologies like block chain, AI and automation? Sharing is changing the way companies are seeing value chains and business cases. How to best integrate new markets and start-ups and their latest developments? And how to develop the right talent for these new types of business when the whole world is depending on the same specialisms?

Subtopics:

- Changing the modes: new ways of travelling for both people and goods
- Changing the organisations : start-ups, business models and new players in transport
- Changing the skills: next generation of ITS students, professionals and continuous learning for today's cohort

Call for papers

The European Programme Committee invites experts from the mobility sectors (and beyond!) to submit papers around the Congress main theme and related topics, to be considered for presentation and publication at the ITS European Congress.

Call for technical/scientific/commercial papers

Technical Papers may address the institutional, business, societal and economic aspects of ITS as well as technical subjects. **Scientific Papers** should concentrate on research and scholarship as they will be independently refereed in accordance with academic journal standards. **Commercial Papers** from authors working for or in close collaboration with commercial companies are welcome. These Papers are “near-market” rather than pre-market, and submitted by authors as Commercial Papers or judged by reviewers to be near-market.

Guidelines

A draft submission is required for all types of paper. The reviewers will need enough content to be able to judge your paper appropriately so for Scientific Papers we require a minimum of 9 pages and a maximum of 12. For technical or Commercial Papers we require a minimum of 5 pages and a maximum of 10 pages.

- Do not submit the same paper under different types Technical / Scientific / Commercial.
- All papers will undergo a review process and authors will be notified of the status. Papers which are submitted as Scientific Papers, but which are not judged to be of this standard or relevance, may still be accepted as Technical Papers.
- Authors of draft papers that are accepted will be asked to submit a full final version.
- As before, for conditionally accepted papers authors need to revise their paper addressing the reservations of the reviewers while submitting in final version of the document.
- All proposals must be original and report on recent significant and substantive achievements.
- Topics may address any mode of transport.

- The official Congress language is English. Papers not submitted in English will automatically be rejected.

- Contributions can only be submitted through the online submission system accessible through the congress website.

IET

To enhance the scientific quality of this event, the Congress Organising Committee has entered into 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.

Shortly after the close of the ITS European Congress, authors of scientific 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.

www.ietdl.org/IP-ITS

N.B. Upon completion of your contribution the system will generate an acknowledgment e-mail with your paper number, contact details and chosen topic. This is a confirmation of receipt and does not mean that the paper has been accepted.

Call for Special Interest Sessions Proposals (SIS)

A limited number of Special Interest Sessions will be included in the programme, in addition to conventional presentations, executive and plenary sessions. Organised at the request of organisations or experts developing and deploying ITS, these interactive, tailor-made sessions will delve into topics and offer lively debates.

The pressure for Special Interest Session slots has been steadily increasing and to ensure as wide a range of sessions as possible, and to give an equal opportunity to all potential session bidders, the European Programme Committee has reluctantly decided that the criteria for selection must be tightened and the following constraints will apply:

Guidelines

- Bids will not be considered unless the name, email address of the moderator and at least 3 confirmed speakers are listed.

To avoid last minute sessions cancellation and speakers drop out, if the majority of speakers named in the session proposal are not registered by the speaker registration deadline, the Organisers reserve the right to give the slot to a candidate session from the reserve list.

- SIS proposals that address a single project will be given low priority compared to those that tackle a broad area.
- All sessions proposals must be submitted through the congress website, e-mail contributions will not be accepted. During the submission process you will be requested to provide the following information:
 - Organiser's full contact details
 - Topic and Subtopic of the session
 - Session title (12 words max.)
 - Session description (150 word max., as full text, no bullet points)
 - Name and contact details of the moderator and of minimum 3 confirmed speakers
 - Additional information on the session format and scope

N.B. Upon completion of your contribution the system will generate an acknowledgment e-mail with your session number, contact details and chosen topic. This is a confirmation of receipt and does not mean that the session has been accepted.

Key dates

- Submission deadline for all type of Papers and Special Interest Sessions proposals: **11 January 2019**
- Notification of status to paper authors and Session proposals: **March 2019**
- Submission deadline for Conditionally Accepted papers: **March 2019**
- Deadline to submit an updated/ final version of the full paper: **April 2019**
- Deadline for early bird Speaker registration: **April 2019**

“Your Future Festival”

ITS is all about innovation; the future of (smart) technology is now. When we start fulfilling ITS promises, we have to make use of the available talent. Now the question rises how to develop and attract the right talent for these new types of business when the whole world is looking for similar specialisms?

For the first time ever, ERTICO-ITS Europe, HERE and the Dutch Host, are organizing a Your Future Festival event during ITS European Congress 2019. “Your Future Festival” is the place where top students, young professionals and companies can connect with each other to share inspiration, research and experience and to make valuable connections for the future. Get connected!

“Your Future Festival” takes place on Tuesday 4 June after the congress programme in the beautiful park ‘aan de Dommel’ on the campus area of the Technical University of Eindhoven.

What can you expect?

- Festival vibe with small stages where talent can be shown in different pitches, workshops and tech activities
- Hackathon stage by main sponsor HERE
- The workshops, pitches and activities are tech mobility related with the goal to make employees and students interacting in a relax setting
- Talent and innovation will be rewarded
- Employees can promote themselves during the event
- ‘You don’t want to miss this opportunity’ for both parties

What’s in it for me?

Top students and young professionals are invited to show their talents, ideas and

research projects. Whether it’s the best technician or research grad, “Your Future Festival” provides a platform to all talents in the field of mobility and ITS. Top employees are ready to connect with internships, job offers or support of start-ups with a broad network and finance opportunities. Students and young professionals can meet different future investors or employees and can interact with them about their ambitions and future career.

Employers can connect with top students of the best knowledge institutes and young professionals which can add value for working and implementing ITS innovation in one day. Employers can interact and gives a unique moment in which talent has come together and can be scouted directly. Also employees are getting a nice opportunity for their employer branding to reach the best students with different backgrounds. Top graduates and YP from all over Europe will be connected at the young professional festival.

Employers can have an own stage where students can solve real life innovation cases. An opportunity to see the talents at work.

How can I join?

Attendance of the “Your Future Festival” is free of charge for congress delegates, but registration is obligatory.

In the meantime, if you have any ideas for contribution, please let us know!
(ynot@connekt.nl)



How to be part of the ITS European Congress?

Exhibition & Commercial Partnership

The Congress gives you exceptional access to the entire ITS community. Attracting everyone from the most established and recognisable companies to new players and industry influencers.

By exhibiting, you position yourself among the latest ITS solutions and most advanced technologies that delegates look for, putting you in the marketplace for the future of mobility.

Most of the commercial partnership options are in a classic package. However, we provide flexibility to best fit your strategic needs and marketing budget.

Demonstrations

The purpose of the ITS Congresses is to push the boundaries of modern mobility.

Demonstrations offer delegates and visitors an exciting experience and the opportunity to learn about groundbreaking ventures and current- and future mobility possibilities.

At ITS Brainport 2019, demonstrations will take place between the Evoluon in Eindhoven and the Automotive Campus in Helmond: the test bench for smart mobility solutions. Demonstrators will have a unique opportunity to bring governmental, public and media attention to their brands and products.

Programme

The Congress Programme offers delegates an unparalleled opportunity to learn about the latest ITS technologies and new mobility concepts.

Experts from the mobility sectors (and beyond!) are invited to submit contributions for various type 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 policy issues, research findings and industry best practice around the Congress main theme and related topics.

European Programme Committee

Didier Gorteman

ERTICO – ITS Europe (Chair)

Marije de Vreeze

Connekt / ITS Netherlands,
The Netherlands (Co-Chair)

Angelos Amditis

ICCS, Greece

Ashweeni Beeharee

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Catapult, United Kingdom

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European GNSS Agency –
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#ITSNL2019

www.2019.itsineurope.com



13th ITS EUROPEAN CONGRESS

FULFILLING ITS PROMISES

Brainport Eindhoven, the Netherlands | 3-6 June 2019