DUBAI
ITS World Congress
16 -20 September 2024
Mobility Driven by ITS

30th ITS World Congress
16 – 20 September 2024

Dubai, United Arab Emirates
Mobility Driven by ITS

CALL FOR CONTRIBUTIONS TO THE TECHNICAL PROGRAMME

ORGANISED BY

ERTICO ITS EUROPE

CO-ORGANISED BY

ITS AMERICA

ITS ASIA-PACIFIC

HOSTED BY

RTA

SUPPORTED BY

Dubai Tourism

DXB

BestCities GLOBAL ALLIANCE

Table of Contents

Organisers and Hosts — Page 4

The Event — Page 5

Welcome — Page 6

More from our Organisers — Page 7

Congress Topics — Page 8

Congress Programme — Page 9

Call for Contributions to the Technical Programme — Page 10-11

Key Dates Organised Sessions — Page 12

Key Dates Papers — Page 13

Become a Partner — Page 14

Historic Attendance Profile — Page 15

Participant Profiles — Page 16

Who Attends Our ITS World Congress — Page 17

International Programme Committee — Page 18

JOIN US IN DUBAI

for the 30th ITS World Congress

Mobility Driven by ITS

DUBAI
ITS World Congress
16 -20 September 2024
Mobility Driven by ITS

JOIN US IN
DUBAI
for the ITS World Congress.

Mobility Driven by ITS

ERTICO – ITS Europe

ERTICO – ITS Europe is a public-private partnership organisation with over 120 members, connecting 8 different sectors in the ITS Community, including service providers, suppliers, traffic and transport industry, research institutions and universities, public authorities, user organisations, connectivity industry as well as vehicle manufacturers.

ERTICO develops and promotes ITS and smart mobility solutions through European co-funded projects, innovation platforms, and international cooperation. Connecting the dots is key: working across all requirements to ensure strong linkage between stakeholders while bringing together the ITS community to exchange ideas and showcase innovative progresses at the yearly ITS Congresses hosted by ERTICO.

www.ertico.com

RTA

The Roads and Transport Authority (Arabic: هيئة الطرق والمواصلات), commonly known as RTA, is the major independent government roads & transportation authority in Dubai, United Arab Emirates. It was founded in 2005 and is responsible for planning and executing transport and traffic projects, along with legislation and strategic plans of transportation in the city. It is a department of the Government of Dubai.

RTA operates approximately 1,442 buses on 107 routes, carrying almost 7 million riders on roughly 179,000 trips a month by the bus service; however the Dubai Metro is a driverless, fully automated metro rail system installed ubiquitously throughout the city. All trains and stations are air conditioned and equipped with platform edge screen doors. The metro is divided into two lines, Red and Green; both lines together recorded a ridership of 164.3 million in 2014 as compared to 137.759 million in 2013 and 109.491 million in 2012.

In line with the city's long-term goal to position itself as a smart city and global innovation hub, the Dubai Autonomous Transportation Strategy (DATS) aims to transform a quarter of its transportation to autonomous mode by 2030.

www.rta.ae

JOIN US IN
DUBAI
for the ITS World Congress.

Mobility Driven by ITS

Venue

Dubai World Trade Centre
Sheikh Zayed Rd - Trade Centre - Trade Centre 2 - Dubai - United Arab Emirates

The Dubai World Trade Centre (DWTC) (Arabic: مركز دبي التجاري العالمي), historically called Sheikh Rashid Tower, is a 38-storey and a height 184 m skyscraper in Dubai, United Arab Emirates, which was built in 1979. It is a purpose-built complex for events and exhibitions.

Fast facts:

Date:
16 – 20 September 2024

Venue:
Dubai World Trade Centre

Up to 20,000 attendees from around 60 countries worldwide

Website:
www.itsworldcongress.com

Email:
salescongress@mail.ertico.com

Organising Partners

ORGANISED BY ERTICO ITS EUROPE

CO-ORGANISED BY ITS AMERICA ITS

HOSTED BY RTA

SUPPORTED BY Dubai Tourism للسياحة DXB BestCities GLOBAL ALLIANCE

JOIN US IN DUBAI

for the ITS World Congress.

Mobility Driven by ITS

DUBAI
ITS World Congress
16 -20 September 2024
Mobility Driven by ITS

ERTICO - ITS Europe and Dubai's Roads and Transport Authority (RTA) will proudly host the 30th ITS World Congress, exploring the theme "Mobility driven by ITS," from September 16th to September 20th, 2024, in the Dubai World Trade Center.

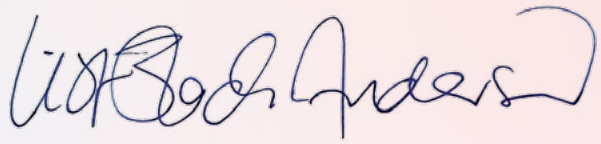
The hosting of the 30th EMEA region's ITS World Congress comes in light of Dubai's massive significant steps in advancing Smart Mobility and marks the significant progress the UAE has made in anticipation of the future. The Congress raises awareness of Smart Mobility solutions among policymakers, experts, influencers, and the general public.
The focus of the ITS Congress will be on many key debate topics, including urban and clean mobility, innovation and digitalisation in transportation and logistics, autonomous and self-driving vehicles.

The ITS Congresses highlight the significance of Intelligent Transportation Systems and Services (ITS), particularly in the host regions, and provide an excellent platform for thought leadership, business development, and the overall steady growth of the Smart Mobility industry. The ITS Congresses also serve as the ultimate showcase of innovative mobility services and ITS deployment, allowing the ITS Community to keep up with the industry's incredible evolution and cutting-edge technologies. With its comprehensive High-Level Conference Programme, wide-ranging Technical Programme, lively Exhibition, and live Demonstrations, this event will provide unique learning possibilities as well as opportunities to expand your network with some of the industry's most active players.

The ITS Congresses are a great vehicle for bringing together the ITS community to unite and share ideas, bridging the gaps and connecting the dots across all key mobility players.

Join us at the ITS Congresses for a journey into the future of Mobility!

Lisa Boch-Andersen
Communications, Congresses, and Events Director



ERTICO - ITS Europe
Together for tomorrow's journey

More from our Organisers

DUBAI
ITS World Congress
16 -20 September 2024
Mobility Driven by ITS

Welcome letter from ITS America

Read more

Welcome letter from ITS Asia-Pacific

Read more

Welcome letter from RTA

Read more

Congress Topics

Urban Mobility

- Regulatory challenges for transport authorities
- A seamless travel experience – user perspective
- Safe, clean and efficient transport
- Multimodal deployment
- Data and digital transformation
- Connected vehicles
- Smart infrastructure
- Next generation urban traffic management and control systems

Innovation in Mobility and Logistics

- Big data
- Artificial intelligence and machine learning
- Cybersecurity
- First and last mile solutions
- Smart freight movement
- All modes – road; air; rail and waterborne and beyond
- Connectivity and communication technologies

Clean Mobility

- Systems and solutions to support sustainable cities
- Electrification
- Alternative fuels
- Challenges of adopting clean mobility schemes
- Business models
- Energy efficient systems
- Life-cycle assessments

Automated Mobility

- Regulation and governance
- Automated air, rail and waterborne transport
- Autonomous systems
- High-definition mapping
- Business models
- Connectivity and communication technologies
- Impact assessment
- Security considerations

JOIN US IN
DUBAI
for the ITS World Congress.

Mobility Driven by ITS

Congress Programme

A valuable knowledge source and showcase of the latest innovations!
Presentations, Demonstrations and State-of-the-Art Exhibition under one roof.

The High-Level Programme

The 30th ITS World Congress will host influential personalities from the ITS world – research and industry leaders, entrepreneurs, senior members of national and local governments, and policymakers – in high-level **Plenary Sessions, International Fora**, and a prestigious **ITS Summit.** Speakers and panellists will share their perspectives on ITS achievements, opportunities and challenges as they address the technological, business, regulatory and societal impact of key mobility issues.

The Technical Programme

The Technical Programme of the Congress will include a range of **Specialist Sessions** that offer experts from the global ITS community an opportunity to address the status of smart mobility from a technical perspective, focussing on research and innovation, and the impact related to the deployment of new technologies. The Specialist Sessions will explore and examine topical mobility issues, covering the practical, economic, technological, organisational and societal aspects of ITS.

Join leading mobility experts at ITS World Congress 2024 in Dubai to discuss current pivotal smart mobility and transport topics.

Share knowledge, exchange best practices, and expand your network for business growth.

Technical Programme Specialist Session Categories

- Organised Sessions

Special Interest Sessions (SIS)

Strategic Future Sessions (SFS)

Organised at the request of groups of international experts developing and deploying ITS, these sessions delve deeper into the state of the art, the remaining challenges and key trends.

- Paper Sessions

Technical Papers

Research Papers

These sessions contribute to the ITS body of knowledge with reports ranging from the operational use of systems and deployment of services to research and development of new applications.

JOIN US IN
DUBAI
for the ITS World Congress.
Mobility Driven by ITS

Call for Contributions to the Technical Programme

Organised Sessions

Special Interest Sessions will mostly discuss work that is underway or recently completed regionally, nationally or internationally. Organisers must submit a plan describing how a chosen set of speakers would address key aspects of important topics – achievements, problems, trends, technology developments, policies, etc.

Strategic Future Sessions must address a forward-looking "blue-sky" type of opportunity or problem. They may make a case for launching new ITS initiatives. These highly interactive discussion sessions look forward and review options, problems, technical barriers, etc. rather than reporting on work that has been completed.

Review procedure

Reviewers from the International Programme Committee (IPC) will use these criteria to select sessions:

- Relevance to the overall Congress theme and chosen topic
- Emphasis on interactive format over series of presentations
- A discussion topic not featured in previous Congresses
- Proposals tackling a broad area rather than a single project
- Clear identification of individual speakers' contributions
- Inclusion of diverse and gender-balanced moderators/speakers, with at least three speakers confirmed, coming preferably from the three regions and not from the same organisation
- **SFS** must additionally describe the future and strategic aspects of one of the designated topics and propose an innovative and interactive session format

Paper Sessions

Technical Papers should present current and original work, incorporating the latest field advancements. This should encompass innovative solutions improving existing practices, providing valuable insights to others, as well as outcomes from practical work, trials, demonstrations, and pilot studies. Technical Papers must be between 5 and 10 pages, including the references.

Research Papers should actively contribute to advancing the state of the art by introducing novel concepts or addressing existing limitations. These papers should demonstrate a high level of scholarship, innovation, and analytical exploration of emerging issues or solutions, surpassing mere re–examination of previously studied subjects.
Research Papers must be between 9 and 12 pages, including the references.

Review procedure

External and independent reviewers from the three regions (The Americas, Asia-Pacific, EMEA) will award a score and comment on the papers using these criteria:

- A draft submission containing enough detail and content to be judged appropriately
- An abstract with a clear summary of the scope, methodology and outcome of the work
- A significant contribution to the state of the ITS art or practice
- Existing work well described and properly referenced
- Sufficient data to support the findings and conclusions with wider applicability
- Appropriate and properly argued conclusions

Note: Submissions judged as not matching the Research Paper criteria may still be accepted as Technical Papers.

Call for Contributions to the Technical Programme

General Guidelines

- All proposals must be submitted online in **English.**
- Proposals must be original and address technology issues or the institutional, business, societal or economic aspects of ITS.
- All submissions must include the name, organisation, country and email address of the paper author/ SIS & SFS organiser.
- SIS & SFS proposals must also include these details for the moderator and at least three confirmed speakers.
- All Paper submissions must be in the template on the submission portal.
- All session speakers, moderators and paper presenters must register by the speaker/moderator deadline and pay the appropriate Congress fee.
- Sessions without registered speakers by the given deadline may lose their slots to others from the reserve list.
- Acceptance of proposals is not linked to sponsorship, which is negotiated separately.

For all Submissions

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.

Please note: Speakers who commit to speaking and/or moderating in more than two specialist sessions run the risk of having overlapping schedules, which the Congress organisers may not be able to resolve.

While making your travel arrangements, please note that the specialist sessions will be organised in time slots from 09.00 AM on Monday 16 September until 15.00 on Friday 20 September. The notifications about dates/times will be sent early May 2024.

The organisers will carefully plan the distribution of the different sessions to give the utmost choice to the Congress delegates, moderators and speakers. With a final programme involving more than 800 speakers and moderators, it will be highly unlikely that we will be able to accept any requests for moving sessions from one slot to another.

Notifications

- Session organisers will receive IPC decisions via email by the stated deadline.
  - *Some organisers may be asked to combine their sessions to avoid duplication.*
  - *Speaker confirmations will also be requested.*
- 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.

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

KEY DATES ORGANISED SESSIONS

3 October 2023
Call for Contributions Opens

15 December 2023
Call for Contributions Closes

End of February
Organised session selection deadline

April
Organiser notification

End of June
Final edits
Early-bird registration

SUBMISSION PROCESS ORGANISED SESSIONS

STEP 01

Create a user profile

STEP 02

Confirm speakers

STEP 03

Submit by 15 December 2023

KEY DATES PAPERS

3 October 2023
Call for Contributions Opens

15 December 2023
Call for Contributions Closes

End of February
Paper review deadline

April
Paper author notification

End of June
Final paper submission
Early-bird registration

SUBMISSION PROCESS PAPERS

STEP 01

Create a user profile

STEP 02

Download paper template

STEP 03

Submit by 15 December 2023

Become a Partner of the ITS World Congress

Exhibition

Exhibit at the Congress, and join an exclusive community of pioneering organizations, institutions, and companies showcasing innovative products, solutions, and services.

Commercial Partnership

Explore our varied Partnership Opportunities: Contribute with fresh perspectives and thought leadership through a workshop to enrich the debate. Elevate your brand perception and positioning. Contact our sales team for a deeper dive into limitless Partnership Possibilities.

Demonstrations

Witness the Power of Live Demonstrations, a highlight of the ITS World Congress cherished by participants. Elevate your brand with a spotlight on state-of-the-art products and solutions, showcased in live scenarios for maximum impact. Immerse attendees in interactive experiences, fostering deeper comprehension and real-world insights.

Programme

The ITS World Congress 2024 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 policy issues, research findings and industry best practices around the Congress main theme and related topics.

Commercial Partnership & Exhibition:

salescongress@mail.ertico.com

Historic attendance profile

Number of participants

Vienna 2012
10,000

Tokyo 2013
10,000

Detroit 2014
11,000

Bordeaux 2015
12,000

Melbourne 2016
13,000

Montreal 2017
10,500

Copenhagen 2018
11,000

Singapore 2019
14,000

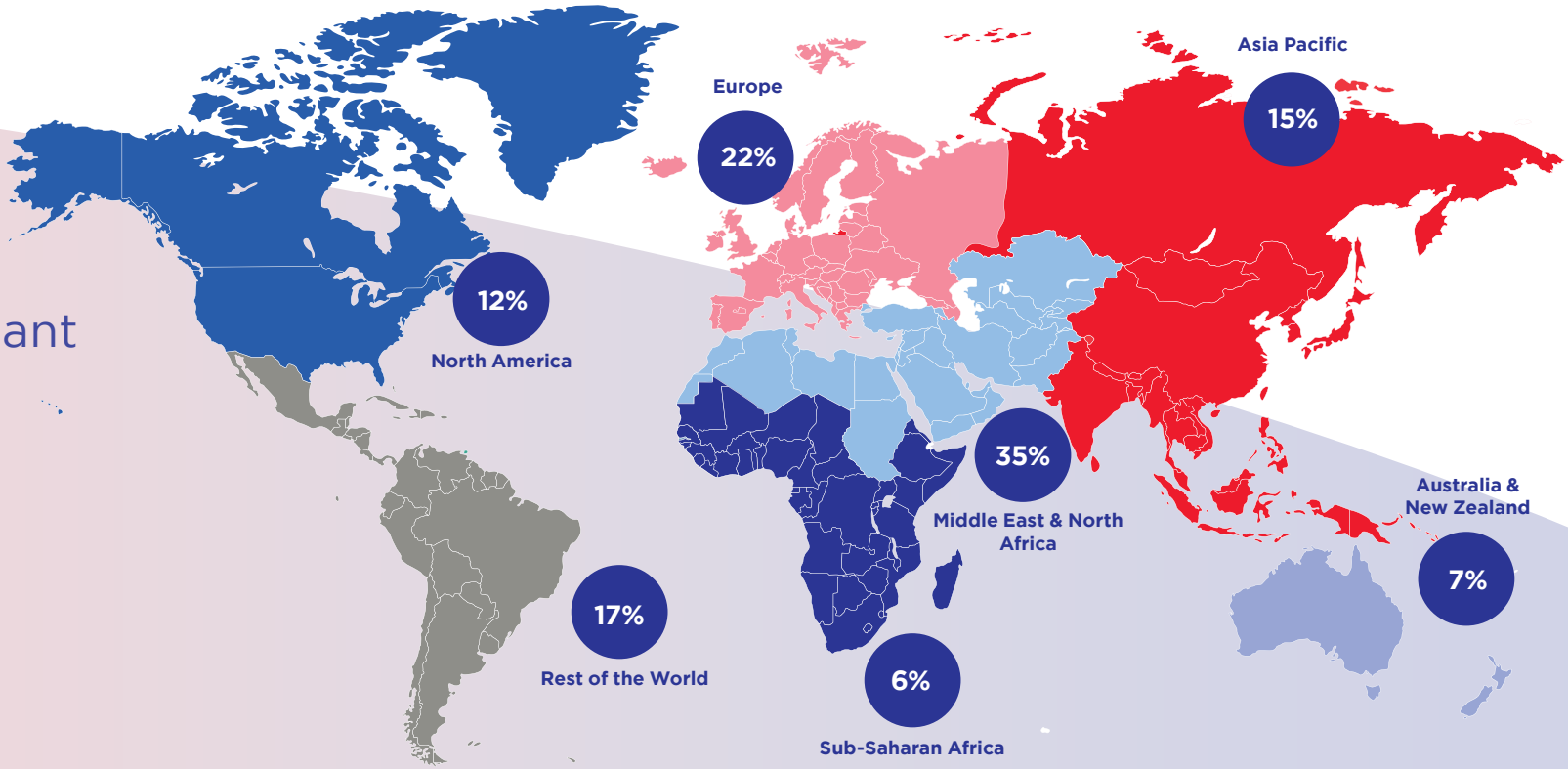
Hamburg 2021
13,200

L.A 2022
8,000

DUBAI
ITS World Congress
16 -20 September 2024
Mobility Driven by ITS

Dubai 2024
20,000 target

ITS Dubai 2024
Anticipated Participant Geographic Profile



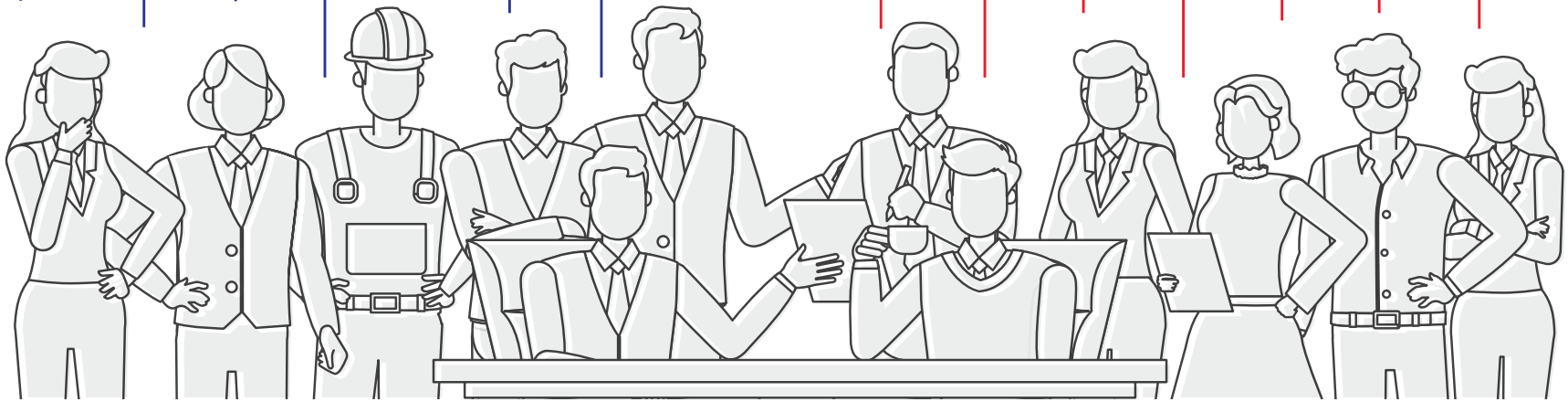
Participant Profiles

Expected Public Sector Profile

- 8% — Minister, Mayor, Senior Politician
- 10% — Director General, Head of Unit, Commissioner
- 8% — Researcher
- 20% — Senior Consultant, Senior Advisor
- 19% — Policy Officer / Public Affairs
- 12% — Manager
- 15% — Director, Department Head
- 8% — Lobbyists

Expected Private Sector Profile

- 20% — Chief Engineer, Chief Scientist, Chief Architect
- 15% — CEO, BoD, Founder/Owner, GM
- 20% — Other CxO, Vice President, Head of Mobility
- 15% — Professor, Senior Academic
- 15% — Director
- 10% — Industry Consultant
- 10% — Mid-level Management



45%

55%

JOIN US IN
DUBAI
for the ITS World Congress.

Mobility Driven by ITS

Who Attends Our ITS Congresses?

- 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
- ITS & Space Exploration

International Programme Committee

EMEA

Lisa Boch-Andersen, ERTICO-ITS Europe, Belgium – Chair
Joost Vantomme, ERTICO-ITS Europe, Belgium
Khaled AbdulRahman Al Awadhi, Road & Transport Authority – RTA, UAE
Rolf Adomat, Continental AG, Germany
Vassilis Agouridas, Airbus Urban Mobility, Germany
Mousa Alraeisy, Road & Transport Authority - RTA, UAE
Pedro Barradas, ITS Portugal, Portugal
Ashweeni Beeharee, Satellite Applications Catapult, UK
Rita Bhandari, ERTICO-ITS Europe, Belgium
Darren Capes, Department for Transport, UK
Stéphane Dreher, ERTICO-ITS Europe, Belgium
Ismail Hisham Zohdy, Road & Transport Authority – RTA, UAE
Wolfgang Höfs, ERTICO-ITS Europe, Belgium
Emrah Kinav, Ford Otosan, Turkey
Stephanie Leonard, Tomtom, Belgium
Meng Lu, IEEE ITSS, The Netherlands
Panagiotis Lytrivis, ICCS, Greece
Patrick Mercier-Handisyde, European Commission DG RTD, Belgium
Christian Micas, European Commission DG CONNECT, Belgium
Oihana Otaegui, Vicomtech, Spain
Roger Pagny, ATEC ITS France, France
Eetu Pilli-Sihvola, VTT - Technical Research Centre of Finland, Finland
Malika Seddi, Asecap, Belgium
Petra Söderqvist, European Commission DG MOVE, Belgium
Delphine Soubies, ERTICO-ITS Europe, Belgium
Margriet van Schijndel-de Nooij, Eindhoven University of Technology (TU/e), The Netherlands
Ricardo Vitorino, Ubiwhere, Portugal
Sascha Westermann, Fujitsu, Germany

Asia Pacific

Takehiko Barada, ITS Japan, Japan
S.K. Jason Chang, National Taiwan University, Chinese-Taipei
Yoo-Jin Chang, MOLIT, Korea
Cai Chen, Ernst & Young, Australia
Kian Keong Chin, ITS Singapore, Singapore
Suzan Harris, ITS Australia, Australia
Tien Pen Hsu, National Taiwan University, Chinese-Taipei
Weiyun Jiao, National ITS Center/China ITS Industry Alliance, China
Tongkarn Kaewchalermtong, Chulachomklao Royal Military, Academy, Thailand
Hiroyuki Kumazawa, Osaka Sangyo University, Japan
Seonha Lee, Kongju National University, Korea
Siew Mun Leong, ITS Malaysia, Malaysia
Lee McKenzie, ITS New Zealand, New Zealand
Young-Jun Moon, KAIST, Korea
Takashi Oguchi, The University of Tokyo, Japan
Nobuyuki Ozaki, Nagoya University, Japan
Lilian Pun, Hong Kong Polytechnic University, Hong Kong
Tongyan Qi, Altener Energy Technology, Inc., China
Mike Rudge, ITS New Zealand, New Zealand
Majid Sarvi, Melbourne University, Australia
Takaaki Segi, ITS Japan, Japan
Jaya Shankar, Institute for InfoComm Research, Singapore
Jau Ming Su, National Taiwan University, Chinese-Taipei
Jianqiang Wang, Tsinghua University, China
Chien Hung Wei, National Cheng Kung University, Chinese-Taipei
Doug Wilson, The University of Auckland, New Zealand
Dean Zabrieszach, HMI Technologies Limited, Australia

Americas

Chris Bax, Citi Logik, UK
Hamed Benouar, CTSN-Connected Transportation Systems and Networks, USA
Gary Carlin, INRIX, USA
Pete Costello, Ohmio, USA
Doug Couto, Consultant, USA
Steve Dellenback, Southwest Research Institute, USA
Richard Easley, E-Squared Engineering, USA
Mike Freitas, Consultant, USA
Chris Gearhart, Center for Integrated Mobility Sciences, NREL, USA
Drew Horgan, Jacobs, USA
Brian Keeler, AECOM, USA
Tom Kern, Consultant, AASHTO, USA
Carol Kuester, Bay Area Metro Center, USA
Jane Lappin, Consultant, USA
Bob McQueen, Bob McQueen and Associates, USA
Richard Mudge, Consultant, USA
Gummada Murthy, AASHTO, USA
Stephen Novosad, HNTB, USA
Carol Schweiger, Schweiger Consulting, LLC, USA
Mario Toscano, Drive Engineering, USA
Janneke van der Zee, ITS-STI Canada, Canada

EMEA PROGRAMME
SPEAKERS
RITA BHANDARI, ERTICO – ITS EUROPE
E: SPEAKERSITS@MAIL.ERTICO.COM

PAPERS
DELPHINE SOUBIES, ERTICO – ITS EUROPE
E: D.SOUBIES@MAIL.ERTICO.COM

ASIA-PACIFIC PROGRAMME
IKUKO OKADA, ITS JAPAN
E: I-OKADA@ITS-JP.ORG

PAPERS
HARUKO IDE, ITS JAPAN
E: H-IDE@ITS-JP.ORG

AMERICAS PROGRAMME
RACHEL RETTBERG, ITS AMERICA
E: RRETTBERG@ITSA.ORG

COMMERCIAL PARTNERSHIP & EXHIBITION
JEROME BUCHANAN
SALESCONGRESS@MAIL.ERTICO.COM

For any logistical information for the venue, security, catering, freight forwarding, stand building quotes please reach out to **ITSDubai2024@mailcongress.ertico.com**

www.itsworldcongress.com