

دائرة النقل  
DEPARTMENT OF TRANSPORT



UNITED ARAB EMIRATES  
MINISTRY OF INFRASTRUCTURE  
DEVELOPMENT



الإمارات العربية المتحدة  
وزارة تطوير البنية  
التحتية

Under the patronage of His Highness Sheikh Mohamed bin Zayed Al Nahyan  
Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces

## WORLD ROAD CONGRESS **ABU DHABI** 2019



**CONNECTING CULTURES  
ENABLING ECONOMIES**

6<sup>th</sup> to 10<sup>th</sup> October 2019



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**HIS EXCELLENCY DR. ABDULLAH BELHAIF AL NUAIMI**  
MINISTER OF INFRASTRUCTURE DEVELOPMENT  
CHAIRMAN OF THE FEDERAL TRANSPORT AUTHORITY - LAND & MARITIME

“  
IT IS WITH GREAT PLEASURE THAT  
I INVITE AND WELCOME YOU TO ABU DHABI,  
THE MAGNIFICENT CAPITAL OF THE UNITED  
ARAB EMIRATES, TO PARTICIPATE IN  
THE 26<sup>TH</sup> WORLD ROAD CONGRESS  
OF THE WORLD ROAD ASSOCIATION (PIARC)  
BETWEEN THE 6<sup>TH</sup> AND 10<sup>TH</sup> OF OCTOBER 2019

Choosing Abu Dhabi to host this global event could not be more apt for a road congress not only as the UAE has, for the fourth consecutive year, been ranked 1<sup>st</sup> in the **Quality of Roads** Index in the World Economic Forum Global Competitiveness Reports but also because few other places can rival the UAE's achievements when it comes to the Congress's theme: **Connecting Cultures, Enabling Economies.**

The 26<sup>th</sup> World Road Congress promises yet another unique opportunity for road and transportation professionals to share and seek knowledge, ideas and innovations whilst experiencing Abu Dhabi's hospitality and distinctive offerings; we hope that you avail yourself to it and participate in this truly global Congress.

“







**CLAUDE VAN ROOTEN**  
PRESIDENT OF THE WORLD ROAD ASSOCIATION (PIARC)

## ON BEHALF OF THE WORLD ROAD ASSOCIATION (PIARC), I AM PLEASED TO INVITE YOU TO PARTICIPATE IN THE 26<sup>TH</sup> WORLD ROAD CONGRESS

Over time, countries all over the world have come to depend on roads as the main public asset to provide year-round access and mobility for their populations. As a consequence, today's road networks must operate continuously even as new demands, expectations and technologies surge and pose new challenges.

Rising to meet these challenges demands great knowledge and commitment from road practitioners worldwide. **Every four years, the World Road Association (PIARC) organises the World Road Congress as the premier forum for road and road-transportation** related information and knowledge exchange to allow road professionals to obtain, in a single event, relevant and up-to-date knowledge on topics of current concern.

**The 26<sup>th</sup> World Road Congress will be held in Abu Dhabi, United Arab Emirates, on October 6<sup>th</sup>-10<sup>th</sup>, 2019, under the theme "Connecting Cultures, Enabling Economies".** The Congress programme features the presentation of the results of the work undertaken by **PIARC's 22 Committees and Task Forces**, as well as a number of specialized sessions and workshops dealing with **topics of current and future interest and a large exhibition** in which road administrations, equipment and service providers, consultants and road-related organizations will be present. **What's more, Ministers from across the world** will be present and **share their views on key themes** such as Artificial Intelligence, Land Use Planning and Future Transport Network.

I also **invite experts from around the world**, both managers and administrators, to exchange views on the technical, social and economic challenges related to the road and transport sectors. **For the first time the World Road Congress will take place in the Middle East**, and it will thus offer road professionals in that region a **unique opportunity** to obtain information on current trends and challenges for roads and road transportation all over the world.

**On behalf of PIARC, I express my most sincere gratitude to the Government of the United Arab Emirates and to the Emirate of Abu Dhabi for their commitment to the organisation of this Congress and their efforts to ensure that this event will be a great success.**

**I invite you to mark this event in your agenda and look forward to meeting you in Abu Dhabi in 2019!**



# THE ROAD TO ABU DHABI

Since 1908, the World Road Congress has been a defining voice for the road infrastructure and transport industry. A quadrennial platform featuring the World Road Association, its members and the world's most influential voices in the road and transport sector. In 2015, Seoul, Korea, hosted the World Road Congress in close cooperation between the World Road Association, the Ministry of Land, Infrastructure and Transport of Korea.

**A TOTAL OF 114 NATIONS PARTICIPATED, WITH NEARLY 3,000 ATTENDEES AND OVER 40 UNIQUE SESSIONS.**

The 26<sup>th</sup> World Road Congress, hosted by Abu Dhabi in October 2019 is a unique opportunity for the world to witness the nation's strategic surface transport advancement at the next level. This edition featured for the first time in the Middle East will focus on **Connecting Cultures and Enabling Economies** and will demonstrate the commitment of the UAE to promote and foster innovation in the surface transport, tunnels, bridges and infrastructure space.

The United Arab Emirates has been identified by the World Economic Forums' Global Competitiveness Report as having the best roads in the world from 2015 and holds that title currently in 2018. With the recognition of this great honour, it is a testament to the past and ongoing work of the nation to build on a legacy of road excellence with much more work continuing.

For 111 years, the witnessing of road development from the industrial age has been quite a journey. Now, we take it to the next level. In 2019, Abu Dhabi will feature the best of thought leadership and the best of innovative road solutions with an expected:

**ATTENDANCE OF 5,000 DELEGATES, 300 EXHIBITORS AND REPRESENTATION OF OVER 120 NATIONS** in one of the most advanced venues in the world, the Abu Dhabi National Exhibition Centre.





# ABOUT PIARC



## THE WORLD ROAD ASSOCIATION (PIARC) WAS ESTABLISHED IN 1909 AS THE WORLD LEADING FORUM ON ROADS

In line with our vision to be the world leader in the exchange of knowledge on roads and road transport policy and practices within the context of integrated, sustainable transport, our four key missions are:



**BE A LEADING INTERNATIONAL FORUM** FOR ANALYSIS AND DISCUSSION OF THE FULL SPECTRUM OF TRANSPORT ISSUES RELATED TO ROADS AND RELATED TRANSPORT.



**IDENTIFY, DEVELOP, AND DISSEMINATE** BEST PRACTICE AND GIVE BETTER ACCESS TO INTERNATIONAL INFORMATION.



**CONSIDER FULLY WITHIN OUR ACTIVITIES** THE NEEDS OF DEVELOPING COUNTRIES AND COUNTRIES IN TRANSITION.



**DESIGN, PRODUCE AND PROMOTE** EFFICIENT TOOLS FOR DECISION MAKING ON MATTERS RELATED TO ROADS AND RELATED TRANSPORT.

Thanks to the expertise of our members, who mobilise 1,200 experts in 22 Committees and Task Forces through operations guided by a 4-year Strategic Plan, the Association is widely recognised for the quality of its outputs: technical reports, online manuals and international seminars.

As of December 2018, this non-profit association counts 122 national member governments from all over the world, including two-thirds from low and middle-income countries, and more than 2,000 members from industry, administration or academia as well as individuals.

Since 1908, PIARC has organized the World Road Congress in order to share knowledge and promote best practice in the areas of roads and road transport around the world. Every four years, we provide a unique opportunity to discuss freely between experts and practitioners to assess progress around the world, to discuss best practice and to review and address tomorrow's challenges.

# ABOUT ABU DHABI DEPARTMENT OF TRANSPORT

دائرة النقل  
DEPARTMENT OF TRANSPORT



Abu Dhabi Department of Transport (DoT) was established in 2006 by His Highness Sheikh Khalifa bin Zayed Al Nahyan, President of the U.A.E., as the Ruler of Abu Dhabi, to carry out the legislative, regulatory, supervisory and control functions related to the surface, maritime transport and the civil aviation sectors in the Emirate of Abu Dhabi as well as all commercial activities related to these sectors.

As part of its efforts to establish an integrated and sustainable transport system in line with the objectives of the Abu Dhabi 2030 Economic Vision, DoT is responsible for:

- Formulating the policy of the transport sector in Abu Dhabi and the development strategies and plans for this sector.
- Preparing and ensuring compliance with legislation and regulations relevant to the transport sector, management, maintenance and investment of assets in the transport sector.
- Issuing regulations and decisions aimed at enhancing the flow of traffic and maintaining the safety, security and health of the society.





# THE 26<sup>TH</sup> WORLD ROAD CONGRESS: CONNECTING CULTURES, ENABLING ECONOMIES

**The PIARC World Road Congress (WRC)** aims at sharing worldwide techniques, innovations, political strategies, trends and developments, best practices and experiences in the fields of road, infrastructures and transport between Ministers, governments, private sector, road and transport administrations and organizations, academics, solutions' providers, experts and practitioners from all countries across the planet.

The Abu Dhabi Department of Transport (DoT) won the bid to host the prestigious 26<sup>th</sup> Congress and identified the topic **"Connecting Cultures, Enabling Economies"** to enable multilateral talks regarding new ideas towards better understanding of road, infrastructure and surface transport works.



THE ABU DHABI DEPARTMENT OF TRANSPORT (DOT) WON THE BID TO HOST THE PRESTIGIOUS 26<sup>TH</sup> WRC

**Indeed for thousands of years, roads, transport and infrastructure have played an essential role** in the economic, social and cultural fields in the **strategic national development plans of all the countries of the world** no matter their level of development. On a daily basis, locally, regionally and universally **they allow workers mobility, population flows, products and services trades, technology and innovations dissemination, exports and imports movements**, but also social, health and education development, linguistics and culture spread for years.

**However, nowadays, new global issues have to be tackled by cities** such as accelerating urbanization and population growth, climate change and environmental issues, globalization, autonomous vehicles, new regulations, heavy traffic, etc. **The WRC has been designed to enable all stakeholders around the world to discuss universal topics**, such as safety and security, funding, design, development, to exchange new and innovative ideas in order that all participants go back home **with new knowledge ready to be implemented at the local and national levels.**

**Around the world, road administrations and specialists are working out solutions to face today's and tomorrow's challenges and we look forward to discussing these developments in Abu Dhabi in October 2019.**





120+



COUNTRIES

+50



SESSIONS & WORKSHOPS

+5,000



DELEGATES

+40



TRANSPORT MINISTERS

+300



EXHIBITORS

# WHO WILL ATTEND

## MINISTRIES

- GOVERNMENTS AND POLICY MAKERS
- ROAD ADMINISTRATIONS
- REGULATORY, SAFETY AND ROAD AUTHORITIES
- PUBLIC TRANSPORT INDUSTRY EXPERTS AND PRACTITIONERS
- TOLL ROAD OPERATORS
- ENVIRONMENTAL INDUSTRIES AND CLIMATE CHANGE ORGANIZATIONS
- TECHNICAL ASSOCIATIONS RELATED TO ROADS AND TRANSPORT
- CONSULTANTS
- ENGINEERS
- FINANCE SPECIALISTS
- INFRASTRUCTURE CONTRACTORS AND CONSULTANTS
- RESEARCHERS, ACADEMICS AND STUDENTS
- ROAD CONSTRUCTION COMPANIES
- MANUFACTURERS AND SUPPLIERS OF ROAD INFRASTRUCTURE CONSTRUCTION EQUIPMENT
- SOFTWARE DEVELOPERS
- ITS INDUSTRY EXPERTS AND PRACTITIONERS
- FREIGHT INDUSTRY EXPERTS AND PRACTITIONERS
- INSURANCE COMPANIES
- EMERGENCY AND DISASTER SERVICES

### DO YOU WORK IN THE ROAD TRANSPORT SECTOR?

If the answer is yes then the World Road Congress is one of the most prestigious events on the planet for your profession.

The WRC attracts an array of global experts and professionals. The information-packed programme will attract more than 5,000 transportation professionals from around the world, providing a platform for the transport sector to share knowledge, network and to do business.

Make sure you are one of them and take advantage of this important opportunity!



Under the patronage of His Highness Sheikh Mohamed bin Zayed Al Nahyan  
Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces



CONNECTING CULTURES  
ENABLING ECONOMIES

6<sup>th</sup> to 10<sup>th</sup> October 2019

Be part of the 26<sup>th</sup> World Road Congress to Explore Road Transport Trends and Investments in the Heart of the Middle East

**ABU DHABI, UNITED ARAB EMIRATES**



**BOOK YOUR STAND**

[WWW.PIARCABUDHABI2019.ORG](http://WWW.PIARCABUDHABI2019.ORG)

CONTACT US: [WRC2019@AIPCRABUDHABI2019.ORG](mailto:WRC2019@AIPCRABUDHABI2019.ORG)



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# PROGRAM AT A GLANCE

		PLENARY	MAIN 1	MAIN 2	MAIN 3	MAIN 4	MAIN 5	MAIN 6	POSTERS	WORKSHOPS	EVENING PROGRAM
<b>SUNDAY</b> 6 OCTOBER	MORNING	OPENING SESSION									
	AFTERNOON	MINISTERS' SESSION									WELCOME COCKTAIL
<b>MONDAY</b> 7 OCTOBER	MORNING		SDS D: INFRASTRUCTURE	SS 1: AUTONOMOUS VEHICLES & SOCIOECONOMICS	SS 2: ROAD SAFETY PARTNERSHIPS		SPS3&4: CONTRIBUTION OF ROAD TRANSPORT / POSITIVE ENERGY ROADS	SS 3: RESILIENCY	SS 4: PAVEMENTS & CLIMATE CHANGE	WS1: WEIGH-IN-MOTION	
	AFTERNOON	KEYNOTE 1	TS D1: ROAD ASSET MANAGEMENT	SDS B: MOBILITY	SS 5: PPP & FINANCE		TS TFA2: NATIONAL & SUBNATIONAL COORDINATION	SS 6: URBAN FREIGHT	SS 7: GENDER IN TRANSPORT	WS2: ROAD SAFETY MANUAL	
<b>TUESDAY</b> 8 OCTOBER	MORNING		TS D2: PAVEMENTS	TS B1: ITS	SS 8: RESEARCH IMPLEMENTATION		SDS A: FINANCE	TS E3: DISASTER MANAGEMENT	SS 9: ACCESSIBILITY & DISABILITY	TC D1, TFA2	WS3: HDM-4 1
	AFTERNOON	KEYNOTE 2	TS D3: BRIDGES	TS B2: WINTER SERVICE	SDS C: ROAD SAFETY		TS A1: PERFORMANCE ROAD ADMINISTRATION	SPS5: ELECTRIC ROAD SYSTEMS	SS 10: AUTONOMOUS MOBILITY & ROADS	TC D2, TC B1, TC E3, TC E2	WS3 :HDM-4 2
<b>WEDNESDAY</b> 9 OCTOBER	MORNING		TS D4: EARTHWORKS & RURAL ROADS	TS B3: URBAN MOBILITY	TS C1: ROAD SAFETY POLICIES		TS A2: SOCIO-ECONOMICS	SDS E: CLIMATE CHANGE	SS 11: BIM	TC D3, TC B2, TC A1	WS4: AIRFIELD PAVEMENTS 1
	AFTERNOON	KEYNOTE 3	TS D5: TUNNELS	TS B4: FREIGHT	TS C2: SAFER ROAD INFRASTRUCTURE		TS A3: RISK MANAGEMENT	TS E1: RESILIENCY	SS 12: TRANSPARENCY	TC D4, TC B3, TC A2, TC C1, TFC1	WS4: AIRFIELD PAVEMENTS 2
<b>THURSDAY</b> 10 OCTOBER	MORNING		SPS1&2: DRONES / UNPREDICTED INFRASTRUCTURE FAILURE	TS TFB1&2: AUTOMATED VEHICLES	TS TFC1: SECURITY		TS TFA1: INNOVATIVE FINANCING	TS E2: ENVIRONMENTAL CONSIDERATIONS	SS 13: LONG DISTANCE FREIGHT	TC D5, TC B4, TC A3, TC C2, TC E1, RESILIENCY	WS4: AIRFIELD PAVEMENTS 3 WS5: AFRICAN TASK FORCES
	AFTERNOON	CLOSING SESSION									

**SDS** = Strategic Direction Session  
**SS** = Special Session

**TS** = Technical Session  
**SPS** = Special Projects Session

**WS** = Workshops



**PROGRAM TIMING:**  
8:00 - 17:30



**KEYNOTE SPEECH:**  
12:00 - 13:00



**LUNCH BREAKS:**  
12:30 - 14:00



**COFFEE BREAKS:**  
9:30 - 10:00 & 15:30 - 16:00





## OPENING PLENARY

In the opening session, the theme of the 26<sup>th</sup> World Road Congress, «Connecting Cultures, Enabling Economies» will be officially declared. Also, this session is prepared to welcome all participants to the Congress.



OPENING OF THE SEOUL WORLD ROAD CONGRESS 2015

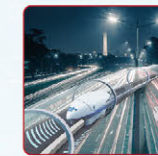


## MINISTERIAL SESSION

The 26<sup>th</sup> WRC is a five-day event. This session, one of the highlights of the congress that traditionally started it, allows all participants to get together and follow presentations of member countries' Ministers on 'challenges and solutions of each nation.' This session, chaired by official representatives of the UAE, will enable participants to share and discuss national policy practices and experiences under the theme of 'Connecting Cultures, Enabling Economies.' Official themes are:

### FUTURE TRANSPORT NETWORK

Connected technology and innovative transport services are providing opportunities to change the way solutions are provided, connecting cities and neighbourhoods. A well-designed and efficient transport system contributes to economic growth and helps in refining the quality of life of the people, and is thereby of the most important sectors of development.



#### SOME KEY QUESTIONS:

- How does a government set the policy agenda for the future with all these different modes available?
- How do governments decide what modal and service-type share goal to achieve?
- How do they prioritize investment into different modes and service-types? How do they engage with innovative transport service providers?
- When the policy goal is agreed, how do they get society to change their current transport choice behaviours?

### ARTIFICIAL INTELLIGENCE IN THE ROAD SECTOR

Contribution of new technologies such as artificial intelligence (AI) has the power to enhance road transport services and achieve safety strategy goals. For example, AI can predict potential risks using information obtained from various interior and exterior sensors, vehicle onboard computer and cloud network services. AI can also contribute to the optimization of transport services, through identification of demand patterns and allocation of resources, among others.



#### SOME KEY QUESTIONS:

- How are governments addressing these new technologies and what must they consider?
- How do authorities determine whether they should adopt such a new technology?
- What infrastructure changes are required and how does a government change the infrastructure to safely accommodate these new technologies in a way that is economically feasible and forward-looking?
- How does a nation begin to regulate these new technologies?

### LAND USE PLANNING

Proper planning requires understanding challenges and possible solutions, with a good grasp of the actual data at the core of transport: daily work travel patterns, traffic and public transport movements, road work requirements and major events that create congestion and affect mobility.



#### SOME KEY QUESTIONS:

- What are the components of good infrastructure planning, such as environmental impact analyses and optimal use of land?
- How can governments deliver reductions in congestion through smart mobility?
- Should we look to limit the need to travel long distances?
- What are the key considerations for transportation resilience and sustainability for the future?
- How can governments foresee what are the communities of the future and their transport needs?



## KEYNOTE SPEECHES (PLENARY SESSION)

The Congress invites globally-recognized dignitaries and prominent scholars such as leaders of research institutes and global businesses and ministers of member countries. They will share their successful stories and experiences that can provide participants with new visions and inspiration for the future. The keynote speech sessions, which will be held every day from 7 to 9 October, are planned to offer a one-hour discussion on various topics that can affect not only on roads and transport but also on society, economy, and politics.

## STRATEGIC DIRECTION SESSIONS (SDS)

The strategic direction sessions are designed to define future strategies on the point of political and strategic view in order to identify each technical committee's activity paths in details for the following four years, which will be under the framework of four strategic directions determined every four years. Strategic theme coordinators will prepare and chair the discussion of the sessions based on national reports handed over by member countries of the Association from around the world.

**Theme A** - Management and Finance: Funding and Financing

**Theme B** - Access and Mobility: Innovative Transport Solutions to Optimize Access and Mobility

**Theme C** - Safety: Safety of the Road System

**Theme D** - Infrastructure: The story not always well told: the infrastructure preservation

**Theme E** - Climate Change, Environment and Disasters: The progress of climate change adaptation and mitigation actions in the Transport Sector after the COP 21 Paris agreement

## SPECIAL PROJECT SESSIONS (SPS)

Special Projects developed over the 2016-2019 cycle will be presented and will engage the audience on forward-looking topics. Special Projects are a facility to pursue important topics outside the strict framework of PIARC technical bodies. They enable the organization to outsource the development of high-level, short documents that respond to critical issues identified by members

### Special Project Sessions:

- Unpredicted Infrastructure Failures
- Unmanned Aerial Systems (Drones)
- Positive Energy Roads
- Contribution of road transport to sustainability and economic development
- Electric Road Systems

## CLOSING SESSION (PLENARY SESSION)

In the closing session, there will be reports on outcomes out of the Congress including the overall assessment on the 26<sup>th</sup> World Road Congress and the presentation on the strategic direction for the next period (2020 - 2023) of PIARC. Also, the next host country will be introduced and the status of host nation, the Czech Republic, will be officially handed over from the incumbent nation to the next one.

## TECHNICAL SESSIONS

The technical sessions are designed to share specific activities, global status analysis, and major achievements of each PIARC Technical Committee or Task Force during the current period between 2016 and 2019. Moreover, the sessions will discuss topics linked to the state-of-the-art in the specific field and will propose the future directions for the next period from 2020 to 2023 based on the strategies discussed during the Strategic Direction Sessions. In preparation of the Sessions, the World Road Association has officially called for individual contributions. These Sessions are prepared and chaired by chairs of PIARC Committees and Task Forces.

## TECHNICAL COMMITTEES (TC) AND TASK FORCES (TF):



### STRATEGIC THEME A - MANAGEMENT AND FINANCE

- TC A.1 Performance of Transport Administrations
- TC A.2 Road Transport System Economics and Social Development
- TC A.3 Risk Management
- TF A.1 Innovative Financing
- TF A.2 Coordination between National and Sub-National Authorities



### STRATEGIC THEME B - ACCESS AND MOBILITY

- TC B.1 Road Network Operations/Intelligent Transportation Systems
- TC B.2 Winter Service
- TC B.3 Sustainable Multimodality in Urban Areas
- TC B.4 Freight
- TF B.1 Road Design and Infrastructure for Innovative Transport Solutions
- TF B.2 Automated Vehicles: challenges and opportunities for road operators & road authorities



### STRATEGIC THEME C - SAFETY

- TC C.1 National Road Safety Policies and Programs
- TC C.2 Design and Operations of Safer Road Infrastructure
- TF C.1 Infrastructure Security



### STRATEGIC THEME D - INFRASTRUCTURE

- TC D.1 Asset Management
- TC D.2 Pavements
- TC D.3 Bridges
- TC D.4 Rural Roads and Earthworks
- TC D.5 Road Tunnels Operations



### STRATEGIC THEME E - CLIMATE CHANGE, ENVIRONMENT AND DISASTERS

- TC E.1 Adaptation Strategies/Resiliency
- TC E.2 Environment Considerations in Road Projects and Operations
- TC E.3 Disaster Management



## POSTER SESSIONS

All authors whose paper have been accepted by the Association will be able to present their work at the place of poster sessions located in the exhibition hall. The space and time slot (half-day) will be allocated according to contents of research, and authors will have opportunities to have free discussion and build networks with other participants from all over the globe.

## SPECIAL SESSIONS

Special Sessions are designed to consolidate the relationship between PIARC and other international and regional organisations active in the field of road and transport. Special Sessions are also an opportunity to present important and newly emerging topics that have not yet been addressed by PIARC's Technical Committees, Task Forces or Strategic Direction Sessions. Special Sessions aim at being forward-looking, broadening, and giving concrete examples of solutions and directions that are relevant for the audience.

### SPECIAL SESSIONS:

- SS 1: Socioeconomic Impacts Of Connected Vehicles
- SS 2: Building Partnerships For Better Road Safety
- SS 3: Road Infrastructure Resilience
- SS 4: Pavement Solutions - On The Road To Climate Resilience & Energy Efficiency
- SS 5: Sustainable Financing For Transport Infrastructure
- SS 6: Sustainable Urban Freight Transport - New Opportunities And Challenges
- SS 7: Transport Is Not Gender Neutral: From Increasing Mobility To Enhancing Employment
- SS 8: Implementing Innovative Technologies: The Role Of The Private And Public Sector
- SS 9: Disability-inclusive Road Transport
- SS 10: Connected & Autonomous Mobility: Is Our Road Network Ready?
- SS 11: Rolling Out Bim For Highways
- SS 12: Promoting A Culture Of Transparency And Integrity In Transport Administrations
- SS 13: Long Distance Road Freight Transport

## WORKSHOPS

The Workshops will cover new topics, not discussed in main sessions (Strategic Direction Sessions, Technical Committee Sessions, and Special Sessions) but need to be dealt with in order to strengthen Association's links with regional organizations and advance road technologies.

- WS1 Weigh-in-motion
- WS2 PIARC online Road Safety Manual
- WS3 HDM-4
- WS4 Airfield pavements
- WS5 African Task Groups

Full list available on the WRC website.

## PRESENTATION BY PIARC NATIONAL COMMITTEES

In the Presentation of PIARC National Committees, each national committee will make a presentation on their own activities. The presentations will be structured into three sub-sessions based on PIARC working languages of English, French, and Spanish.

## SIDE EVENTS

PIARC Partners seize the opportunity of the World Road Congress to organise their own events. These are invitation-only events.



# PIARC PRIZES 2019

**PIARC is organizing a new edition of the PIARC Prizes competition for the 26<sup>th</sup> World Road Congress in 2019.**

**PIARC Prizes will be awarded to the most outstanding papers from the following categories:**

- Young professionals (under 35 years old)
- Developing countries (from low and lower-middle income countries)
- Best innovation
- Safety of road users and workers
- Sustainable development
- Road design and construction
- Road maintenance and operation
- Roads and intermodality

Candidates have been carefully chosen according to the rules and procedures of the Communications Commission.

The results of the competition will be announced by July 15<sup>th</sup>, 2019, prior to the Congress. Winners will be invited to participate and receive their awards at the Congress.

PIARC Prizes will be awarded during the opening session.







## TECHNICAL VISITS: WORLD CLASS ROAD INFRASTRUCTURE

We invite you to attend the daily technical tours which will combine a whole series of infrastructure and technology achievements in the Abu Dhabi transport sector. For all visits, the participants will be provided with guide and transportation. Each visit will be available in one working language of the Congress. Departures will be organized in the morning and in the afternoon from ADNEC on Monday, Tuesday and Wednesday.

The technical visits are free of charge for all the Congress delegates. Full registration includes up to two technical visits.

**ONLINE REGISTRATION WILL BE OPEN IN FEBRUARY. STAY TUNED.**

### SHEIKH ZAYED TUNNEL AND SHEIKH KHALIFA BRIDGE

Al Salam Tunnel will be visited along with Tunnel operation and management unit followed by the Traffic Management Centre in Abu Dhabi (TMC) finishing with the Sheikh Khalifa Bridge along the E12.

### SHEIKH KHALIFA BIN ZAYED ROAD

This is a brand new key roads and infrastructure project, linking Abu Dhabi to the border of Saudi Arabia. It is over 300 kilometers long. An interesting feature is that the Guinness World Records has recognised the road as the longest international road in the world using LED lighting, helping reduce energy consumption by 60%.



### ABU DHABI YAS MARINA CIRCUIT

Home of the world known Abu Dhabi Grand Prix, explore one of the most advanced Formula 1 tours. Take a behind-the-scenes look by visiting areas like the Drag Strip, Kartzone, the race control room, the paddock and the garages for a better understanding of what is needed to host a successful F1 race.

### ABU DHABI PORTS

The largest container terminal is a major economic facility for Abu Dhabi. The visit will include the "platforms" and the road network includes the main modular road, industrial area and the Emirates Global Aluminium (EGA) area.

### ABU DHABI INTERNATIONAL AIRPORT:

Visit of the Airport Improvement project including new terminal and interchanges along E10 and E12 and surrounding area, such as Yas Tunnel and Yas Circuit. This is followed by a short tour within the airport showing new runway and location of new terminal and air traffic control tower.

### DoT TRAFFIC MANAGEMENT CENTER:

Visit of the traffic control central system, one of the world's leading systems worldwide, more flexible, adaptive and interactivity to respond to all changing traffic scenarios via data generated by vehicle counting and classification sensors while being able to automatically coordinate traffic movement with nearby intersections to ensure integrated management of traffic on Abu Dhabi road networks.

### MASDAR CITY:

The on-demand Personal Rapid Transit (PRT) system of electric-powered, automated, single-cabin vehicles offers a taxi service with the sustainability of a public transport. Operated using a touch screen to indicate your preferred destination, the vehicles run along corridors located under the street. The cars are controlled by computer and use sensors to ensure nothing is in their path.







# ACCOMPANYING PERSONS PROGRAMME

Abu Dhabi is turning into a world-class and sustainable destination, in line with the commitment to conserving and promoting Abu Dhabi's heritage and tourism assets. Abu Dhabi is investing heavily and continuously on the diverse array of leisure, entertainment, cultural attractions, artistic happenings and a comprehensive programme of profile-raising events.

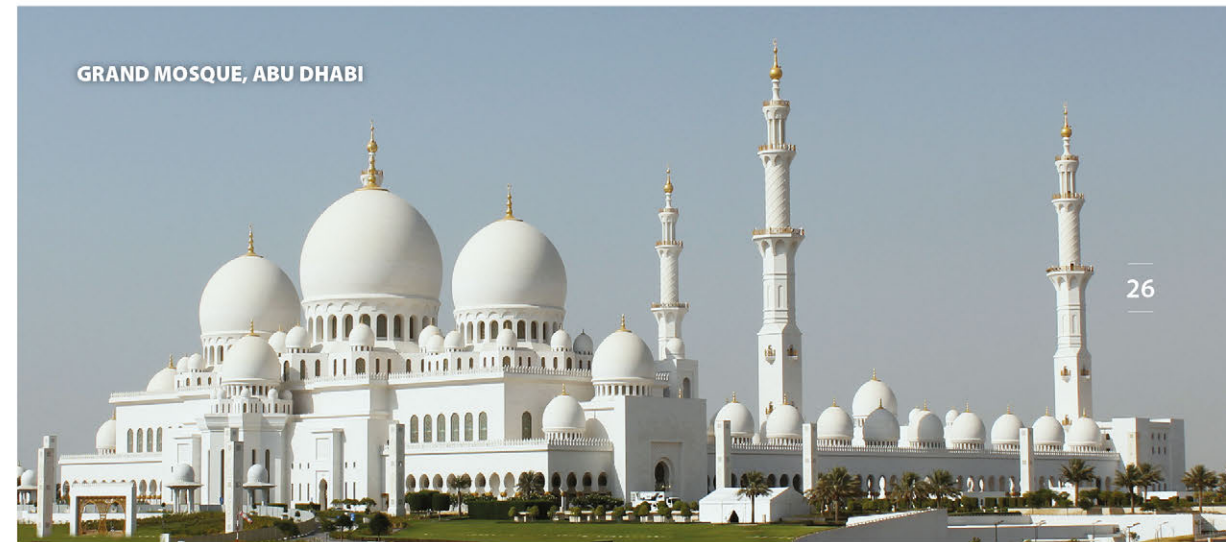
Abu Dhabi has a diverse and multicultural society. The city's cultural imprint as a small, ethnically homogeneous pearling community was changed with the arrival of other ethnic groups. The cosmopolitan and tolerant atmosphere has developed into one of the safest places in the world.

During the days of the Congress, we expect accompanying family of the delegates and for this, as per tradition, we have developed a series of social programmes to keep them entertained and to introduce them to the best of Abu Dhabi and the UAE. Registrations are already open.



YAS WATERWORLD, ABU DHABI

Experience the architectural prowess of the Sheikh Zayed Grand Mosque; head to the Corniche, impressive 8km of waterfront with various water activities; rush to Yas Island - home to the Formula 1 Abu Dhabi Grand Prix, the world's fastest roller coaster at Ferrari World Abu Dhabi, the water park Yas Waterworld and the Warner Bros Park; discover the world famous Louvre Abu Dhabi; enjoy the peace and tranquility of the Abu Dhabi Mangrove, learn about the ancient sport of falconry or the history of an emirate dotted with ancient forts and historic sites – several of which have been listed as official UNESCO World Heritage Sites.



GRAND MOSQUE, ABU DHABI



FERRARI WORLD, ABU DHABI



MANGROVE, ABU DHABI



WARNER BROS. WORLD, ABU DHABI



LOUVRE, ABU DHABI



**SHOPPING DAY** - Marina Mall, Abu Dhabi Mall, Abu Dhabi Traditional Souq, Madinat Jumeirah and Souq Al Bahar, Dubai Mall.



**FAMILY FUN DAY** - Yas Ferrari World, Yas Water World, Al Ain Zoo, Desert Safari, Warner Brothers World, Dubai Parks and Resorts, Kayaking in the Abu Dhabi Mangroves.



**CULTURAL DAY** - Louvre Museum Abu Dhabi, Dates Market, Sheikh Zayed Mosque, Dhow Cruise, Al Jahili Fort, Jebel Hafeet Mountain, Qasr Al Hosn Fort.



**SIGHTSEEING DAY** - Emirates Palace, Boat Trip to Futaisi Island, Bahrani Island, Etihad Towers Sightseeing Deck, Burj Khalifa Dubai.

Accompanying persons will have the opportunity to join the Congress for the Opening, the Ministers and the Closing Sessions and the Gala Dinner (over 21 years old).



# SOCIAL EVENTS

*The WRC delegates will not be forgotten as tailored social and cultural events, such as welcome cocktail, gala dinner, visits have been designed to allow them enjoy the City leisures after their working days.*

## SOME EXAMPLES:

### DESERT OASIS SUNSET SAFARI & BBQ

*A half-day tour of a camel farm - to learn about the tradition of camel breeding - and the sand dunes on an off-road 4x4 adventure, with a stop to admire the sunset in the desert skyline. The day will finish in an oasis for food, drinks and entertainment to experience the traditional Arabic hospitality.*



### THE STORY OF ABU DHABI

*A guide will introduce you to the highlights of the UAE's capital. Drive along the popular Corniche and the famous Abu Dhabi skyline, take some pictures of the stunning Emirates Palace Hotel. Visit the Sheikh Zayed Grand Mosque, the largest mosque in the UAE. Glimpse into the past when visiting the Heritage Village. Pass by the traditional Date Market and drive past Manarat Al Saadiyat Abu Dhabi.*

*More information will be available on the World Road Congress website.*

LIWA, ABU DHABI

# ACCOMMODATION

**From 5-star to good quality stylish budget hotels, the city of Abu Dhabi** can support all delegate accommodation requirements and budgets. Shuttle buses will be provided from the main hotels to the congress venue.

*Upon registration, you will receive a welcome email with a promo code to use for your property of choice from the list below with instructions on how to avail your Congress special pricing.*



### ANDAZ CAPITAL GATE ABU DHABI - 5\*

15 MINUTES AWAY FROM THE AIRPORT AND MOST KEY ATTRACTIONS, ADJACENT TO ADNEC

Phone: +971 2 596 1701  
E-mail: [ilham.ouldhajaj@hyatt.com](mailto:ilham.ouldhajaj@hyatt.com)  
Prices: Starting from USD 234.00 (AED 857.00)



### DUSIT THANI ABU DHABI - 5\*

LOCATED IN THE CITY'S BUSINESS DISTRICT WITHIN EASY REACH OF ADNEC

Phone: +971 2 698 8898  
E-mail: [reservations.abudhabi@dusit.com](mailto:reservations.abudhabi@dusit.com)  
Prices: Starting from USD 177.00 (AED 650.00)



### PREMIER INN ABU DHABI CAPITAL CENTRE - 3\*

OPPOSITE TO ADNEC AND JUST A SHORT JOURNEY FROM ABU DHABI INTERNATIONAL AIRPORT

Phone: +971 (0) 56 309 6394  
E-mail: [vangie.sablan@mena.premierinn.com](mailto:vangie.sablan@mena.premierinn.com)  
Prices: Starting from USD 153.00 (AED 560.00)

*Please visit the World Road Congress website for the Hotels' full list.*





# CONGRESS VENUE ABU DHABI NATIONAL EXHIBITION CENTRE

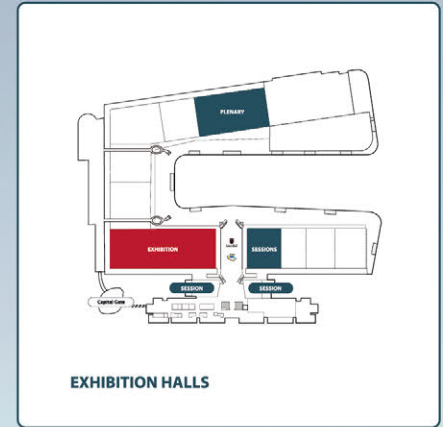


Home of the Congress, **ADNEC is one of the most modern conference and exhibition centres in the world** welcoming more than 1.5 million visitors and host over 360 events every year. The award-winning venue offers world-class facilities and also features the iconic Capital Gate tower, leaning a record-breaking 18 degrees.

**ADNEC invites you to make the most of your visit with convenient** on-site facilities including numerous ATMs located throughout the centre, parking, retail options, airport check-in facilities, hotels and dining options.

ADNEC is committed to making the venue as **accessible as possible**, and as such offers a number of amenities and facilities tailored to assist those visitors with specific needs. Customer Services are handling anything from simple faxes, printing to visa assistance and IT at the customer services desk located at the ADNEC Grandstand.

Abu Dhabi National Exhibition Centre offers state-of-the-art serviced offices in the UAE capital city's iconic exhibition centre.





## ACCESS TO THE CONGRESS VENUE

Abu Dhabi International Airport is just 15 minutes from ADNEC, over 50 international airlines operate a schedule of flight connecting Abu Dhabi to more than 80 destinations in 46 countries across the globe. Metered taxis to ADNEC are readily available outside the arrival hall.



## ESTIMATED CAR TRAVELLING TIME FROM:

 Al Maktoum International Airport:  
60 minutes

 Al-Ain Downtown:  
1 hour 45 minutes

 Dubai International Airport:  
90 minutes



# PRACTICAL INFORMATION



## INTERPRETATION - CONGRESS LANGUAGES

English, French, Spanish and Arabic will be used as official languages of the 26<sup>th</sup> World Road Congress and simultaneous interpretation services will be provided in the plenary and technical sessions.



## WEATHER

In October in Abu Dhabi, temperatures decline but the average temperature is still 29°C. Daytime averages reach a hot 36°C and nights only cool to 22°C.

## FLIGHTS AND VISAS

Our partner Etihad is pleased to offer all guests up to **15% discount** on Economy tickets on the Etihad Airways in Economy class; and **up to 30% discount** on Business class tickets from all USA airports.

Delegates will be able to take advantage of these special prices when they book their travel arrangements through our website. Once the flights booked, our partner will be on hand to manage any additional booking.

\$96

### TOURIST VISA

Validity to Enter - 60 days  
Duration of stay - 30 days

Entry - Single  
Extendable: No

- Required valid passport for a minimum period of 6 months
- Pre-arrangement is required to apply for a tourist visa

A visa may be required prior to your visit to the UAE. Please visit [www.mofa.gov.ae](http://www.mofa.gov.ae) consular services page to identify your required visa process. The World Road Congress is pleased to assist you with your visa requirements. If you require a letter of invitation for the UAE embassy, please contact us.

CONTACT US: WRC2019@AIPCRABUDHABI2019.ORG

# REGISTER AS DELEGATES

## DELEGATE FEES

We are pleased to offer a very competitive delegate fee structure for one of the world's most prestigious transport events:

REGISTRATION TYPE		Early bird rate: 1 <sup>st</sup> Dec 2018 to 1 <sup>st</sup> June 2019*		Standard rate: 2 <sup>nd</sup> June 2019 to 29 <sup>th</sup> September 2019	
		Member	Non-Member	Member	Non-Member
FULL REGISTRATION**	High and upper middle-income countries	USD 1,050	USD 1,190	USD 1,260	USD 1,400
	Low and lower middle-income countries	USD 700	USD 840	USD 700	USD 840
	Reduced statutory fee	USD 630			
	Exempted registration fee	Free			
DAILY REG.	One day	USD 350	USD 490	USD 350	USD 490
	Two days	USD 700	USD 980	USD 700	USD 980
STUDENT		USD 350			
ACCOMPANYING PERSON(S)		USD 420		USD 490	
GALA DINNER		USD 130			
ONSITE RATE		+10%			

\* ACCEPTED AUTHORS COULD BENEFIT FROM THIS RATE AT ANY TIME.  
\*\* INCLUDES COCKTAIL, GALA DINNER, UP TO 2 TECHNICAL VISITS.





# BOOK YOUR STAND AS EXHIBITOR

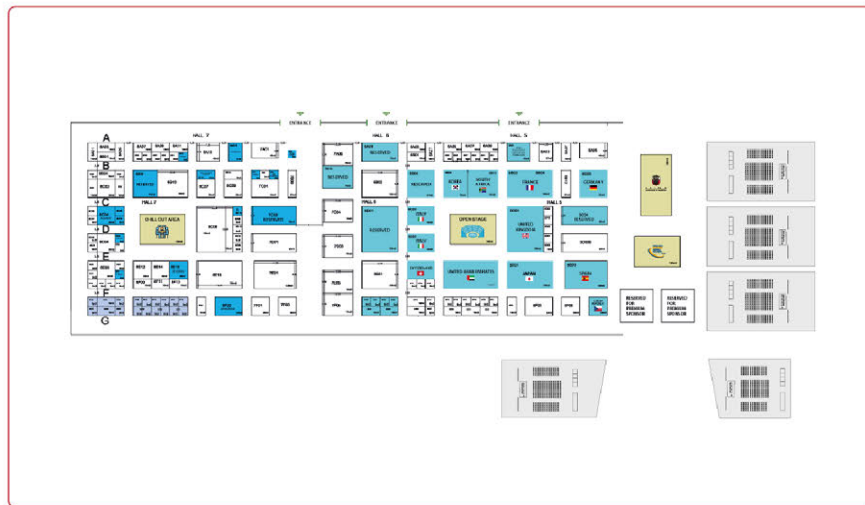
Whether you represent a government administration, construction, or offer consultancy, manufacturing or supply services to the roads sector, the World Road Congress provides you direct access to your existing and potential peers, suppliers or clients from over 120 countries.

The World Road Congress gives you the opportunity to communicate with your market all under one roof!

The World Road Congress provides a state-of-the-art exhibition area which will provide a perfect space for exhibitors to present their achievements, innovative products and solutions to a global clientele.

## RATES ARE VERY COMPETITIVE AT:

<p><b>Shell Scheme Stand</b> starting from USD 550 per sqm</p>	<p><b>Space Only</b> starting from USD 450 per sqm</p>
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▶ TO EXHIBIT PLEASE CONTACT: [WRC2019@AIPCRABUDHABI2019.ORG](mailto:WRC2019@AIPCRABUDHABI2019.ORG)

# TO SPONSOR THE 26<sup>TH</sup> WRC ABU DHABI 2019

Sponsorship enables you to elevate your brand to a global audience and be associated with this prestigious and globally significant event.

The World Road Congress provides you with a platform to gain high-profile visibility and exposure for your organization while leaving a lasting impression on attendees and customers. There are many fixed and flexible sponsorship opportunities at the 26<sup>th</sup> World Road Congress.

## PREMIER SPONSOR

The unique Premier Sponsor is the prime partner of the Abu Dhabi World Road Congress 2019. Along with the Abu Dhabi Department of Transport, its presence will be an unequalled contribution to the Congress success. The Premier Sponsor will show its support to Abu Dhabi's efforts to be at the forefront of the global transport discussion and policy-making. The Premier Sponsor will also benefit from an extensive variety of pre-event exposure, direct access and networking opportunities during the congress.

USD 350,000

## GOLD SPONSOR

The Gold Sponsor is a leader within the Road and Infrastructure space and will be presented within a high profile frame throughout the Congress and within all pre-event activities, onsite branding and meeting support among many other attractive corporate features and benefits.

USD 175,000

## SILVER SPONSOR

Silver Sponsors are specialist groups valuable to the attending industry practitioners for their high quality products and looking for policy makers and sensible exposure to the sector professionals. Silver Sponsors will receive generous benefits for their strategic sponsorship level.

USD 95,000

## BRONZE SPONSOR

The World Road Congress is an important opportunity for Bronze Sponsors to promote their brand and solutions, whether to increase their visibility in the global transportation community or to get a toehold in the Middle East.

USD 45,000

▶ TO SPONSOR PLEASE CONTACT: [WRC2019@AIPCRABUDHABI2019.ORG](mailto:WRC2019@AIPCRABUDHABI2019.ORG)



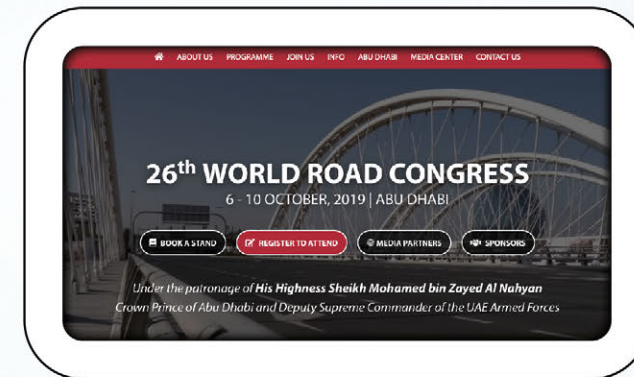
# MEDIA PARTNERS



TO BECOME A MEDIA PARTNER, PLEASE CONTACT:  
WRC2019@AIPCABUDHABI2019.ORG

**REGISTER NOW**

**EARLY BIRD RATES  
BE THE FIRST**



**REGISTRATIONS ARE OPEN**  
WWW.PIARCABUDHABI2019.ORG



**IF YOU WOULD LIKE MORE INFORMATION,  
PLEASE VISIT:**

[www.piarcabudhabi2019.org](http://www.piarcabudhabi2019.org)

**WORLD ROAD ASSOCIATION (PIARC):**

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

**CONTACT US:**

[wrc2019@aipcrabudhabi2019.org](mailto:wrc2019@aipcrabudhabi2019.org)

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CIRCULAR N°2