



INDIA CHAPTER

International Road Federation  
Fédération Routière Internationale  
Federación Internacional de Caminos

अंतरराष्ट्रीय सड़क संघ

# NEWSLETTER

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## NEWS IN BRIEF

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### IRF's Mission

To promote the development of roads and road networks that enable sustainable access and mobility for all

### IRF's Vision

A world of safe, sustainable, and efficient roads and road networks

### IRF's Values

Commitment to safe, smart & sustainable roads

## EDITORIAL BOARD

Chief Executive Officer  
Veena Nabar

## FROM THE CHAIRMAN'S DESK



Dear Members,

We are once again at the time of year when greetings and good wishes flow. On the eve of Christmas and New Year, I would like to send across to you and your family, my very best wishes of the season and a happy, healthy year ahead, full of good things and above all safe roads, a goal which makes our bonding special.

We are now on a threshold of a very important event, that we have all been looking forward to and working for over the past few months, the World Road Meeting 2017, which will be held between 14 – 17 November 2017 in Delhi, NCR.

I take great pleasure in warmly inviting you all to the 18th World Road Meeting on the theme of "Safe Roads & Smart Mobility: The Engines of Economic Road". India is a befitting venue for this mega event, in view of the growing demand for road infrastructure and mobility and emerging importance of India as a market for road infrastructure and services.

Growth in population and rapid urbanization brings with it demand for capacity augmentation and several challenges, such as congestion, pollution and safety related issues, which bear heavily on the equality of life and can place a huge burden on the economy of the country. The WRM will endeavor to discuss sustainable solutions for maintain a clean, healthy and efficient environment together with safe road mobility for people to live, interact and work.

Spanning four days, the WRM will offer plenary sessions with high level keynote addresses, parallel sessions on ten thematic topics, sessions on latest future trends and many more. An exhibition platform, which will run concurrently with the conference, will showcase the latest products and services for construction, maintenance and operation of sustainable and safe roads as well as automobiles demonstrating their safety features for safe mobility. Invites for Call for Papers and Conference Brochures have already been put on website [www.wrm2017.org](http://www.wrm2017.org). I would request you to kindly go through the website.

I am confident that WRM 2017, with the high technical quality of its conference and exhibition, will be a memorable event for all stakeholders.

I invite and welcome each and every one of you to participate WRM 2017, in submission of abstracts for papers, as delegates and / or as exhibitors. I am sure, with your participation, we shall make the event a grand success.

Merry Christmas and a Very Happy New Year.

Warm regards

**N.K. Sinha**

## Organizing Committee of WRM 2017 meets in New Delhi

The first meeting of the Committee was held on 8<sup>th</sup> September 2016 at the India International Centre, New Delhi.

Welcoming members at the meeting, the WRM Chairman Mr. K.K. Kapila spoke of the WRM as a great opportunity for all stakeholders to meet and interact with the best brains from all over the world, gather new and innovative ideas and work towards making the world a safer place to live in. The topic of the WRM has been rightly selected as "Safe Roads and Smart Mobility", which are the engines of economic growth.

He informed the members regarding the announcement made by the honorable Minister of Transport to have a Transport Ministerial Meet, alongside the WRM, where more than 150 Transport Ministers of the world are expected to join, accompanied by their delegations.

In addition to various eminent participants from the government and the members of the IRF India's Governing Council, the meeting was attended by IRF Geneva Board members – Mr. David Stuart Watt, Mr. Eric Le Corre, Mr. Joseph Haule and Dr. Adnan Rahman.

The members discussed in detail and set the directions for the future course of action.

## Curtain Raiser for the World Road Meeting 2017

The World Road Meet 2017 was launched at a Curtain Raiser organized for this purpose on 8<sup>th</sup> September 2016 in New Delhi.

The program began with an evening of talks by eminent experts on various facets of the topic "Safe Roads and Smart Mobility", from India and abroad. The speeches were moderated by Chairman IRF Geneva, Mr. K.K. Kapila.

Warmly welcoming the participants present, which included ambassadors, government officers and representatives of institutions, IRF members, NGOs and private institutions, members of the media and other road stakeholders, Mr. Kapila spoke on the relevance of the topic selected for the WRM in the current context. It is universally true that the pace of economic growth of a nation would considerably increase. The UN has laid a decadal goal of a reduction of 50% in deaths and injuries. Reduction of 50% would mean a considerable saving in terms of the amount currently lost due to road fatalities and accidents, which would then be available for investment leading to economic growth. He also informed the members about the proposed Global Transport Minister's Meet, which Government of India proposes to host adjunct to the WRM 2017. The Meet would hopefully lead to a Declaration, which would be accepted by the nations present at the meet, and would pave the way for emancipating road deaths by 2030.

Mr. Stuart Watt, President, Roads Australia, speaking on 'A Developed World's Perspective on Safe Road Networks and Smart Mobility', stressed the role and importance that Technology has come to play in today's world. Driverless cars are in the offing and are expected to roll out, all over the developed road, in the next few years. This would throw up challenges for public transport and planning of the cities and bring about radical changes in the prevalent business models. The transition period would provide the biggest issue as the mix of driven and driverless vehicles would expectedly lead to accidents. He stressed the importance of strategising the national policies, setting up ground rules and understanding value changes. The pace of the change is awe inspiring but if we miss the bus, we also lose out on the potential that this offers to drive down trauma and deaths.

Eric Le Corre, Director, Corporate Affairs, Michelin spoke on 'Perspective on Safe Road Networks and Smart Mobility in Europe'. He stressed the





importance of Driver Behavior as crucial factor for Road Safety and that telematics can be a new tool. The European situation with regard to road safety was in a bad way and the 70% reduction in road deaths that had been achieved was far less than the percentage required for halving road deaths. Different views, he mentioned, exist regarding the lack of public funding, and cuts in police force for enforcement purposes due to police being fully involved in fighting terrorism. It was necessary to develop in individuals, a better sense of responsibility. In Brazil, a young drivers monitored their own behavior on roads and the number of volunteers have increased over the years.

Mr. Anand Kumar, Managing Director of National Highways and Infrastructure Development Corporation, speaking on the subject of 'Safe Mobility in Hill Roads – a boon to Economic Development' introduced the role of NHIDCL which was been set up in 2014 to fast pace national highways and connected infrastructure in the North East region of the country. He highlighted the problems of hills and hilly areas where Road Safety takes on different dimension as compared to the plains. Accidents result in a greater quantum of loss and much higher costs and creation of safety infrastructure and rescue time are also considerably higher. It is important therefore to build in different safety measures in designing and constructing roads. He also spoke of softer interventions – the need for proper signages, strictness in issuance of driving licenses and the need to involve small road side shops in first aid. Private companies should invest in Heli Ambulances, blood banks and tracking facilities, he stated.

Mr. Joseph Haule, Chairman, Road Fund, Tanzania spoke on 'Africa Perspective on Safe Road Networks and Smart Mobility'. Africa has the most dangerous roads with a figure of 26.6 fatalities per hundred thousand population cited by WHO in the last year. Half of the road deaths are those of the vulnerable users, who largely belong to poor category in the social hierarchy. Several countries of Africa have come together to pledge for action. He spoke of the number of initiatives for Road Safety taken in Africa but hampered because of lack of power, poor data, and poor enforcement. Medical care and insurance are lagging and the safety standards are not up to date since many individuals purchase second hand cars from Asia and particularly in Japan.

African Development Bank has recently shown interest in Road Safety and appointed a consultant to prepare a manual for Road Safety Audit of existing roads. Smart Mobility component is a component of Smart Africa Manifesto.

Information and Communication Technology is a must and government should leverage it to promote sustainable development. Although awareness exists, implementation must be supplemented with enforcement and stress collection of data for policies. Education and Trauma Care is also important.

Dr. Subodh Kumar from Trauma Care Centre, All India Institute of Medical Sciences in his talk on 'Safe Mobility coupled with emergency medical care during the Golden

Hour can immensely contribute to the economic growth' stressed that we should refrain ourselves from using the term 'Road Accidents' as accidents are not planned but use the term 'Road crashes' which are planned because of the poor road engineering, drinking and driving, and using mobile phones while driving.

He spoke of the need to develop Trauma Care in the country and highlighted the fact that there is no accountability, no legislation, no Emergency Medical Service Council (except Gujarat), lack of trained man power in hospitals, the ED protocols, lack of Ambulance, and lack of communication between fire, police and ambulance. He mentioned that the four pillars of Trauma System are Pre – Hospital care, In – Hospital acute care, Definitive care and Rehabilitation.

Awareness at the government levels that road accident injury is a major health problem and that the same needs to be tackled through setting up Trauma Centres along the Highways, Upgrading medical colleges, providing Pre – Hospital care, opportunity for Capacity building and trying to bridge the gap between the demand and the supply is important. AIIMS is also upgrading its infrastructure and services including capacity building so as to have right care at the right time and at the right place.

Mr. Abhay Damle, Joint Secretary, MoRTH spoke about 'Government's Role as a Regulator, Enforcement Agency and a Key Stakeholder in Safe Road and Safe Mobility' and said that everyone seems to be doing something or other, but at the end of the day, the result was that in 2015 the number of deaths have increased by 7% over the number of deaths in 2014.

Even though cars come equipped with rear view mirrors, which are adequate for looking at vehicles behind, they are inadequate in detecting small children or objects close to the ground, falling in a car's blind spot. Government is therefore proposing to make rear view sensors or backup cameras mandatory in all new vehicles to avoid mishaps and the Ministry of Road Transport and Highways (MoRTH) will soon issue a notification to make rear view sensors mandatory in all vehicles.

More than 50,000 fatal accidents take place in the country due to over speeding and hence the government is planning to make audio warnings also mandatory in vehicles and on similar lines of seat belt wearing sign. At the speed of 80 km/hr, small beep sound warnings will be heard and after the speed of 90 km/hr, a continuous beep will alert the speeding driver.

The government has already made it compulsory for all two—wheelers, which account for the highest share of accidents, to either have the anti—lock braking system (ABS) or the combined braking system (CBS) by April 2019.

He added that apart from rear view sensors and speed warning, air bags will also soon be mandatory in all vehicles and from October 1, 2018, vehicles will have to go in for automated inspection and fitness certification test with hardly any human intervention. Driving license tests will also become automated by that time and will help reduce road accidents.

The proposed Motor Vehicles (Amendment) Bill, makes provision for legal protection of Good Samaritans who help accident victims.

Mr. Ganapathy Subramaniam stressed the role of the media in Road Safety and stated that Media is all of us, everybody is media. The Pokemon movement for the media happened a few years ago. And now we have something called social media. All of us can be part of this revolution. All of us can cover Road Safety. If you see anything that hinders road safety, click a photograph & upload it on Instagram, tweet it on Twitter or make a video and put it on Facebook. Soon or later, everybody will be able to reach their audience. You can tag Ministries of Surface Transport on your twitter or you can post your queries on websites of Ministries.

He informed the gathering that all media organization are now eager to connect with their audiences and very frequently one will see media requesting them to tweet their views & thoughts.

The WRM promotional Film was also launched at WRM Curtain Raiser.

### Memorandum of Understanding (MoU) between IRF & Government of Rajasthan

IRF's joint initiative & Conference with Muskaan, Foundation for Road Safety on "Fast Tracking Road Safety Initiatives in the State of Rajasthan" held on 24<sup>th</sup> October 2016 at Jaipur saw the signing of a Memorandum of Understanding (MoU) with the Government of Rajasthan.

The MOU stipulates that IRF and Government of Rajasthan will join hands to conceive and implement programmes, work closely with key stakeholders to put in place a road safety programme aided by Technology, world class trauma care, training and education, etc.

The conference was inaugurated by Shri. Yunus Khan, Honorable PWD Minister of Rajasthan, Government of Rajasthan and addressed by several eminent experts from Central Government and Government of Rajasthan, IRF and other institutions. The topics discussed ranged from Engineering, Education, Enforcement and Emergency Care.

### IRF High Level Roundtables - Intelligent Transportation Systems (ITS)

The 1st Round Table on ITS in India was held on 10th November 2016 at Claridges Hotel, New Delhi. Mr. Amitabh Kant, IAS, CEO Niti Ayyog was the chief guest at the round table chair by Mr. Vijay Chhibber, IAS, Former secretary MoRTH. The High Level meeting included major companies from around the world and India and was the first of four such meetings to be held in 12 months seeking - TRANSFORMATION THROUGH COLLABORATION.

The main objective of the High Level Round Tables on ITS in India is to provide a concrete blue print action plan that the government can implement to put in place a proper and comprehensive ITS policy to ensure speedy deployment and optimization of ITS. This will address the problems of road safety, congestion, pollution and mobility in India head on in the most cost efficient and sustainable manner. It will keep mobility Affordable, Accessible, Reliable and Comfortable.

IRF Geneva was able to bring together a select group of executives and government representatives who are willing and capable to address the hurdles, facing wider deployment of ITS. The first session of the High Level Round Tables was successful and could not have come at a more appropriate time. All participants from the public and private sector agree that technology solutions and intelligence exist, and, when deployed, these solutions will lead to efficient, clean, safe and sustainable mobility in India.







**18th WORLD  
ROAD  
IRF MEETING**

**14-17 NOVEMBER 2017**

**DELHI, INDIA**

**WWW.WRM2017.ORG**

## **CALL FOR PAPERS**

# **SAFE ROADS and SMART MOBILITY: The Engines of Economic Growth**

The International Road Federation (IRF) is putting out this Call for Papers to invite authors to submit abstracts for presentation at the World Road Meeting (WRM) in 2017 [\[Submit Abstract\]](#).

The World Road Meeting is organized once every four years by the IRF, an independent, not-for-profit, membership based federation serving the needs of the road Transport and Mobility sector. The WRM is a prestigious event and is expected to attract over 4,000 participants.

This call for papers is for the conference that is being organized as part of the WRM - 2017. The theme for WRM - 2017 is **Safe Roads and Smart Mobility: The Engines of Economic Growth**. This conference will be of interest to professionals, academics, researchers, policy makers, and practitioners involved with road transport and mobility. The conference will take place from 14 - 17 November, 2017 in Delhi, India.

## **INTRODUCTION**

Road transport and mobility are the lifeline of a modern economy and contribute significantly to economic growth and our well being and are an essential part of the social development of countries. A well functioning transport system provides access to markets, jobs, education, healthcare, and does so as efficiently and safely as possible, while minimizing its adverse environmental impacts.

Faced with an increasing number of road accidents, fatalities, congestion, and climate change, countries, regardless of their level of development, are faced with severe challenges in meeting the road transport and mobility needs of their populations. These challenges include expanding, developing, maintaining, and operating the transport infrastructure as efficiently and safely as possible, along with minimizing the adverse environmental and other impacts of the sector.

Meeting these challenges requires action on many fronts; arranging the necessary financing, implementing appropriate policy, developing legal and regulatory frameworks to safeguard the public interest without inhibiting competition, ensuring the functioning of markets, stimulating technological innovation, developing effective instruments to steer and nudge the travel and trip behavior and choices made by people on a daily basis, and collecting and safeguarding data to support the making of policy, and to support the operation of this sophisticated and complex sector.

WRM - 2017 is aimed at identifying and discussing the range of challenges that are faced in delivering safe, sustainable, and smart road transport and mobility at an affordable price, the legal, policy, and regulatory issues, instruments that are available to policy and decision-makers, new concepts and technologies for delivering transport and mobility, and the possibilities offered by "big data" and technology to reshape the road transport and mobility system to face future challenges.

Thus, we invite authors to submit abstracts on one or more of the themes and sub-themes listed below.

***"For safe arriving, no liquor while driving"***

## THEME 1: SAFE ROADS FOR ECONOMIC GROWTH

Transport and mobility contribute to economic growth and well being by providing access to education, health care, jobs, and markets. The lack of a proper road infrastructure constrains the development and growth of an economy. The development of good road networks is seen as an integral part of the development of an economy. This theme is to explore the economic impacts of developing road networks and strategies to maximise the potential contribution of road networks to economic growth.

- 1.1. Economics of Safe Road Development
- 1.2. Economics of Low Volume (Rural) Road Development
- 1.3. Development of Strategic Transport Corridors
- 1.4. Access to Ports and Regional Growth Centres
- 1.5. Cross Border Transport
- 1.6. Impact of safer roads on community health and economic growth

## THEME 2: SAFE MOBILITY

The full benefit of safe road networks can only be achieved by simultaneously ensuring better safety standards for the Automotive Sector. While there has been rapid technological advancement in this sector, there has been insufficient emphasis on Safe Mobility. The Decadal Action Plan for Road Safety cannot be achieved unless concerted efforts are made by the Automobile Sector and the Governments, through their regulatory framework, to bring about across the board improvements in the safety features installed in vehicles. The New Vehicle Safety Assessment Programme needs to be encouraged and taken up in all countries, thereby throwing challenge to the Automobile Sector and bring about all around technological advancements to ensure safe mobility.

- 2.1. Safety considerations in designing of vehicles
- 2.2. Safety standards and their effect to reduce fatalities and injuries
- 2.3. Campaigns to improve vehicle safety standards
- 2.4. Vehicle crash testing programs
- 2.5. Safety standards for second in use vehicles
- 2.6. Regular and periodic inspection of vehicles

## THEME 3: MOBILITY CHALLENGES

In the past few decades, there has seen a huge shift of populations from rural areas to cities. This on-going urbanisation poses new challenges in meeting the mobility and transport needs of populations. It is clear that meeting the future challenges of transport and mobility will require solutions that include integrated, inter-modal, and multi-modal transport for both freight and passengers. These solutions will also have to address the mobility and transport need of a wide variety of groups, including the physically challenged, vulnerable road users, and rural populations, amongst others. This theme is intended to explore these and other related challenges.

- 3.1. Integrated Transport Systems
- 3.2. Mobility for Vulnerable Road Users
- 3.3. Accessibility for Physically Challenged
- 3.4. Transit (Public Transport) and Para-Transit Planning
- 3.5. Travel Demand Management
- 3.6. Urban and Rural Transport
- 3.7. Traffic Enforcement & Safety

## THEME 4: MANAGING ROAD ASSETS

Once roads have been built, timely and proper maintenance is essential if the benefits from investment in roads are to continue to be realised. When this is not done, the costs of deferred maintenance can be significantly higher. This theme is intended to explore the technical managerial, and financial issues surrounding road asset management.

- 4.1. Building and Managing Database for Assets
- 4.2. Maintenance Strategy and Budgeting
- 4.3. Pavement Evaluation Systems & Technology
- 4.4. Asset Valuation and Prediction
- 4.5. Asset Management & Preservation
- 4.6. Low Volume-Low Cost Roads (Rural Roads)
- 4.7. Performance Based Maintenance Contract
- 4.8. Performance Monitoring of Roads, Bridges & Tunnels

## THEME 5: INNOVATIVE ROAD INFRASTRUCTURE

This theme is intended for issues related to innovative uses of technology, design, and materials for enhancing the durability, safety, and reduction of cost of construction and operation, together with improving the quality, speed of delivery, reduction of the carbon footprint and other adverse environmental impacts

- 5.1. Innovative Road Infrastructure Design
- 5.2. Trends in Pavement Materials and Design
- 5.3. Techniques in Construction & Maintenance
- 5.4. Recycling Methods and Technology
- 5.5. Potential of Energy Harvesting
- 5.6. Bridge Design, Construction, Maintenance and Operation
- 5.7. Tunnel Design, Construction, Maintenance & Operation

## THEME 6: INSTITUTIONAL FRAMEWORK & CAPACITY DEVELOPMENT

The development, operation and maintenance of affordable, safe, and green road networks requires good planning and management, capable and competent human resources, empowered organisations and institutions, coherent and consistent policy, legal and regulatory frameworks. This theme is intended to explore institutional, organisational, and capacity development issues related to the development of the road sector as a whole.

- 6.1. Policy, Legislation and Regulatory Systems
- 6.2. Management and Implementation of Transport Network Plan
- 6.3. Strategic Planning & Decision-making Tools
- 6.4. Organizational Performance
- 6.5. Training and Skill Development
- 6.6. Creating Awareness in Engineering Profession
- 6.7. Developing Integrity and Accountability

*A Little care makes accidents rare..*

## THEME 10: INTELLIGENT TRANSPORT SYSTEM

Intelligent Transport Systems cover a broad range of technologies with a wide range of applications that include, for example, smart traffic lights that detect and adjust to traffic flows at intersections and junctions, on-board driver assist technologies to make driver behaviour safer, to technologies for connected cars and autonomous vehicles. These technologies are changing the general concept about transport and mobility (UBER, TOM-TOM, and Google being examples of companies that are in the forefront of innovations. This theme is intended to explore the technologies, applications, and challenges associated with using these advanced technologies to improve the efficiency and safety of existing road infrastructure.

- 10.1. Intelligent Road Infrastructure
- 10.2. ITS Architecture & Standards
- 10.3. Smart Tolling
- 10.4. Smart Parking Systems
- 10.5. Driverless Vehicles
- 10.6. Connected Vehicles
- 10.7. Transport Services on Demand
- 10.8. Institutional and Regulatory Framework for ITS Infrastructure & Operations
- 10.9. Financing of ITS Infrastructure & Operations

### IMPORTANT DATES

Deadline for Submission of Abstracts	31 January, 2017
Invitation to Authors to Submit Full Papers	31 March, 2017
Deadline for Submission of Full Papers	31 May, 2017
Deadline for Submission of Final Paper and Acceptance	15 August, 2017

### INSTRUCTIONS FOR SUBMISSION OF ABSTRACTS

- Please complete and use the online form for submission of abstracts [\[Submit Abstract\]](#).
- The abstract should make clear the objective and relevance of the proposed contribution to one or more of the themes and sub-themes. The abstract should not exceed 2200 characters.
- CONTACT: If you have questions regarding this call for papers please email: [WRM-Conference2017@irfnet.ch](mailto:WRM-Conference2017@irfnet.ch)

*The best drivers are aware that they must beware*



## THEME 7: SUSTAINABLE AND GREEN TRANSPORT INFRASTRUCTURE

The road transport sector is one of the biggest contributors of Green House Gases, almost 25% of all GHG emissions are related to the transport sector as a whole. This theme is intended to address issues around the negative environmental impacts of roads including construction and operation, (for example, GHG emissions, noise and visual pollution), ways to address these problems, tools to help the road sector identify, quantify, and manage these issues, and strategies for making transport infrastructure more sustainable and “green.”

- 7.1. Adapting Road Infrastructure/Services to Climate Change
- 7.2. Air and Noise Quality Management
- 7.3. Reducing Carbon Footprint for Road Construction, Operation & Maintenance
- 7.4. Impact of Using Local/Marginal Materials
- 7.5. Assessment & Mitigation of Environmental Impact of Roads
- 7.6. Assessment & Mitigation of Social Impact of Roads
- 7.7. Infrastructure for Sustainable Transport Modes
- 7.8. Landscaping & Aesthetics

## THEME 8: INNOVATIVE ROAD FINANCING & PROCUREMENT

One of the biggest challenges for the road sector is the financing. While, new road construction is usually able to attract financing, road maintenance does not. This theme is intended to explore the innovative ways of financing of road construction, operation and maintenance.

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|--|--|
| 8.1. Financing options for safe road development | 8.6. Insuring Risk in Road Infrastructure      |
| 8.2. Reforms in Road Financing Policies          | 8.7. Equipment Leasing & Financing             |
| 8.3. Managing PPP Projects (Urban and Rural)     | 8.8. Contracting Innovation for Road Safety    |
| 8.4. Green Public Procurement                    | 8.9. Financing of Rural (Village) Road Network |
| 8.5. Road Pricing & Congestion Charging          | 8.10. Creation and Management of Road Funds    |

## THEME 9: SAFER ROADS

Road accidents are one of the most prominent causes of non-natural death amongst all age groups – more than 1.3 million people die in road accidents every year. As countries become wealthier and motorisation rates increase across the world, the number of road accidents and fatalities will, unless appropriate steps are taken, continue to increase. Improving safety is thus imperative! This theme is intended to explore every dimension of the subject of road safety.

- |   |   |
|---|---|
| 9.1. Institutional Framework                    | 9.12. In-Vehicle Safety Devices                 |
| 9.2. Legislative & Regulatory Framework         | 9.13. Safety of Pre-Owned Vehicles              |
| 9.3. Social & Economic Cost of Road Accidents   | 9.14. Road User Behaviour and Safety            |
| 9.4. Financing for Road Safety                  | 9.15. Education & Awareness                     |
| 9.5. Planning, Design and Operation             | 9.16. Road Safety education for School Children |
| 9.6. Safety on high speed roads                 | 9.17. Driver & Vehicle Licensing System         |
| 9.7. Road Safety Challenges for VRUs            | 9.18. Role of Enforcement in Road Safety        |
| 9.8. Crash Investigation and Black Spot Removal | 9.19. Incident Detection, Response and Recovery |
| 9.9. Road Safety Audit & Rating of Roads        | 9.20. Post-Crash Response System                |
| 9.10. ITS for Road Safety                       | 9.21. Training for Emergency Response           |
| 9.11. Vehicle Certification & Testing           |   |



# AFRICA ROAD & BRIDGE FORUM 2017

30-31 January 2017

Hyatt Regency, Johannesburg, South Africa



In partnership with:

INTERNATIONAL ROAD FEDERATION  
FEDERATION ROUTIERE INTERNATIONALE

[www.irfnet.ch](http://www.irfnet.ch)

Find out more ➔

## Africa Road Engineering and Maintenance Forum 2017

Johannesburg, South Africa, 30 January 2017 - 31 January 2017

Join stakeholders and experts at the Africa Road and Bridge Forum, officially in partnership with the International Road Federation Geneva Programme Centre to learn more about key challenges and opportunities that have arisen as part of Africa's economic and infrastructure growth strategy. This forum will address the region's most pressing challenges such as: techniques and solutions to improve road quality, the need for road rehabilitation and maintenance programmes, and the growing number of road connectivity projects and road safety initiatives. These insightful papers will be delivered by major stakeholders including:

- \* Kiran K. Kapila, Chairman, IRF Geneva Programme Centre
- \* Mpho Kau, Head of Infrastructure, Johannesburg Road Agency
- \* Henry du Plessis, Director: Asset Management & Maintenance, Transport for Cape Town
- \* Joseph Haule, Chairman, Road Funds Board Tanzania
- \* Sophie Tekie, Road Management System Manager (RMS), Namibia Road Authority
- \* Siobhan Fox, Business Development Manager: South Africa, Walvis Bay Corridor Group
- \* Anil Bhandari, Former Consultant, UNOPS and World Bank

For more details, please email us at [info@irfnet.ch](mailto:info@irfnet.ch)

## 2nd Iran ITS Congress

Tehran, Iran, 07 February 2017 - 08 February 2017

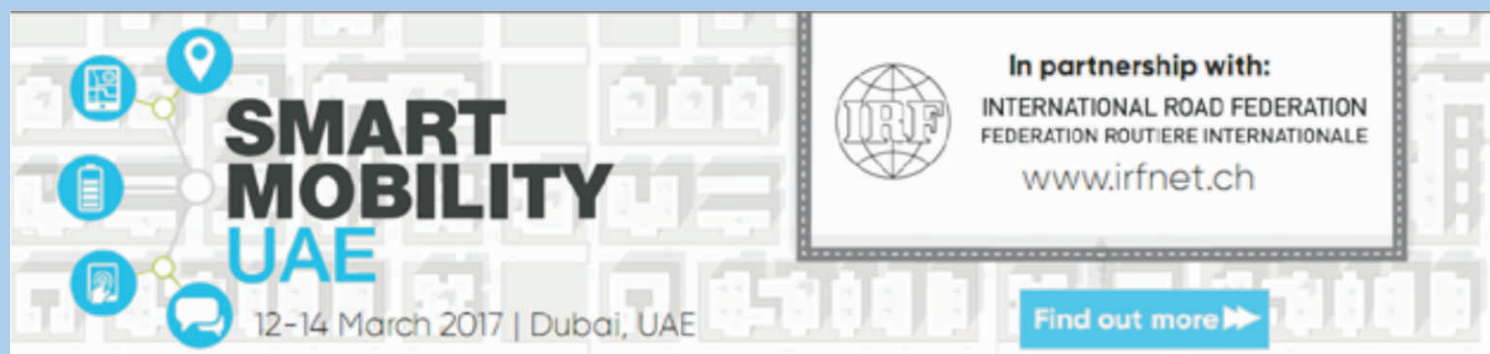


IRF Geneva is pleased to support the 2nd Iran ITS Congress being organized by the Road Maintenance and Transportation Organization (RTMO) - an esteemed member of our Federation – on 7-8 February 2017 in Tehran, Iran.

Taking advantage of successful experiences and scientific & technological achievements of other countries and optimizing ITS projects for urban and suburban transportation, are the essential aspects for improving ITS at national level. In this context, the Road Maintenance and Transportation Organization is honored to hold the 2nd Iran ITS Congress and cordially welcomes all relevant national and international investors, academic community, consulting firms and contractors, to take part actively at this significant event for discovering the latest investment and cooperation opportunities in Iran ITS sector as well as providing the latest technologies, management skills and know how to develop this sector at national level.

The Congress will explore ways of:

- Increasing safety and improvement of transportation management
- Enhancing interaction and cooperation with smart transport related organizations
- Exploring ITS technologies and equipment suitable to the country needs
- Upgrading the existing Intelligent Transportation Systems
- Encouraging universities and scientific & research centers to develop ITS knowledge and technology
- Promoting ITS knowledge at national level
- Facilitating Urban and inter-urban ITS Integration
- Improving traffic culture & driver behavior patterns



### 3rd Smart Mobility Forum UAE

Dubai, UAE, 12 March 2017 - 14 March 2017

The Smart Mobility UAE Forum, in partnership with the International Road Federation Geneva Programme Centre, is a strategic platform to discuss ideas to improve the region's transport network. This will be achieved through a series of interactive discussions, workshops, meetings and presentations delivered by influencers in the industry including:

- Faisal Ali Hassan Rashid, Director - Demand Side Management, Supreme Council of Energy
- Ian Smith, Chief Intelligent Transportation Systems Specialist, RTA
- Lucy Yu, Head of Mobility-as-a-Service, Department for Transport UK and the Centre for Connected & Autonomous Vehicles
- Majid Al Hazami, Manager Smart Grid Electric Vehicle Program Manager, DEWA
- Nader Museitif, Head of Business - MENA, Uber
- Paul Copping, Chief Innovation Officer, Digital Greenwich

### MEMBERSHIP OF IRF INDIA CHAPTER

IRF-IC is a membership based organization, representing corporate and institutional players and stake holders in the road infrastructure sector in the country. Road safety has been at the core of IRFIC's activities, which also promotes “greenroad” approach. IRF-IC invites all stakeholders in road sector to join it as members and contribute to the efforts for better road infrastructure and safety.

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*Don't be rash, lest you crash*

*“Heaven, Hell or Mother Earth, the choice is yours.”*

*“Life is short, why make it shorter”*