



IRF WORLD ROAD MEETING 2017

/ 14-17 NOVEMBER / DELHI / INDIA /



18th Crossroads World Road Meeting 2017 14 - 17 November 2017 Venue : India Expo Mart Ltd., Greater Noida

CONFERENCE PROGRAMME

14th November 2017	
0830 - 0930 hrs	Registration
0930 - 1100 hrs	Plenary Session I - Safe Roads and Smart Mobility
Hall : 4	Moderator : K. K. Kapila, Chairman, IRF Geneva
	Speakers
	<ul style="list-style-type: none"> Jean Todt, FIA President, UN Secretary-General's Special Envoy for Road Safety Amitabh Kant, CEO, Niti Aayog, India R.C. Bhargava, Non-Executive Chairman, Maruti Suzuki India Ltd. Jeffrey P. Michael, Associate Administrator, National Highway Traffic Safety Administration (NHTSA), USA Yunus Khan, Honorable Minister of PWD & Transport, Rajasthan Luciana Iorio, Chair of Global Road Safety Forum
1100 - 1130 hrs	Inauguration of WRM-2017 Exhibition and Networking Tea
1130 - 1330 hrs	Inaugural Session
	<ul style="list-style-type: none"> Welcoming the Dignitaries Saraswati Vandana Welcome and Introduction of WRM-2017 K. K. Kapila, Chairman, IRF GPC Introductory Remarks by Yudhvir Singh Malik, Secretary, MoRTH Address by Marc Garneau, Hon'ble Minister of Transport, Canada Address by Anne Berner, Hon'ble Minister of Transport and Communication, Finland Address by Francois Bausch, Hon'ble Minister of Sustainable Development & Infrastructure, Luxembourg Address by Ismir Jusko, Hon'ble Minister of Communication & Transport, Bosnia & Herzegovina Address by Lehlohonolo Moramotse, Minister of Public Works and Transport, Lesotho Address by Ditrh Evgeny Ivanovich, Hon'ble First Deputy Minister of Transport, Russia Address by Dr. Abdulla Belhaif AL Nuaimi, Hon'ble Minister-Infrastructure Development & Chairman of the Federal Transport Authority, UAE Inaugural Address by Nitin Gadkari, Hon'ble Minister of Road Transport, Highways, Shipping, Water Resources, River Development and Ganga Rejuvenation, India Road Safety Awards Presentation Souvenir Launch Souvenir Presentation Vote of Thanks by N K Sinha, Chairman, IRF (IC) National Anthem
1330 - 1430 hrs	Lunch

1430 – 1600 hrs	Parallel Sessions I	
	Safe Roads for Economic Growth	Safer Roads
	Hall : A Moderator : Pablo Ovirno, Chief of Staff, Ministry of Finance, Argentina	Hall : B Moderator : Jonathan James, UAE, Ministry of Transport
	626: Advanced Inter-Border Information and Communication Transport Management System for Africa Development Integration: A Proposal. (Dukiya Jaiye, Abiodun Musa Albinu, Abiodun Taliha Folrunso and Habeeb Bello-Salau)	651: Effective management of technology, regulation, and community in Road Traffic Accident Reduction Projects (Mohammad Al Haj, Mohammad Al Sallout and Maaz Khan)
	828: Upgrading of South Africas National Route 3 Economic Corridor between Durban and Johannesburg, South Africa (Ravinderan Ronny)	758: Identification and Ranking of dangerous violation Types: Abu Dhabi Case Study (Abdulla Al Gafli, Mohammed El- Esawey and Mohamed Shawky Ahmed)
	809: Frame working Road Safety by Safe System approach on SHs and NHs in India and Assessment with iRAP (Nikhil Krishnan and V S Landge)	918: Novel School Zone Safety for Vulnerable Road Users. (Dr. Kim Leong Tan)
		927: Road Sign Performance Requirements and Safety Benefits. (Fuat Akton)
	658: Roads for Economic Growth: An Approach in Bangladesh (Md Abdul Quader)	834: Road Traffic Crash Database for India: Way Forward (Soumya K Ghosh, Shivam Gupta, MD. Mazharul Haque, Mark King and Sudeeshna Mitra)
	Institutional Framework & Capacity Development	Managing Road Assets
	Hall : E Moderator : Jean Claude Roffe, Vice President European Road Federation	Hall : C Moderator : Lt. General Suresh Sharma, AVSM, Engineering-in-Chief, Engineers Branch Army HQ.
	825: Skills and Competence Development of Future Transportation Professional at all Levels (Thierry Goger, Adewole Adesiyun and Evangelos Bekiaris)	Managing Road Assets (K K Mohanty)
	The Concept of Institutional Capacity Building and Review of Road Sector Projects (Ashok K Menon, Dr. Madhvesh YS and Sunil Sonare)	694: Cost-Effective provision of low-volume roads in South Africa (Don Ross and Matthew Townshed)
	770: Skill Development in the Road Sector: A Strategic Framework for India (D P Gupta, Rashi Grover and Ashok Kumar)	782: Basic of Pavement Preservation in a Changing World (Etienne M.J le Bouteiller)
	903: Governance of Africa's Regional Transport Infrastructure Programmes : Institutional Arrangements and Performance. (Robert Tama Lisinge)	
	780: Performance Evaluation of National Road Construction Management in Indonesia. (Tisara Sita & Agus Taufik Mulyono)	810: Performance Based Asset Management Framework to Forecast Roadway Infrastructure Preservation Needs in India (A.K. Goswami and Kuldeep Kavta)

	Hall : D	Hall : 4
	<p>Special Session : Intelligent Transport Systems (ITS) in India</p> <ul style="list-style-type: none"> • Balraj Bhanot, BIS-TEDC • Thomas Schwerdtfeger, MD (MENA), PTV Group • Morten Sondergaard, MD, Swarco Tech. • Vinod Pandey, GM, BMW India • Sonal Ahuja, Regional Director, PVT Group. 	<p>Special Session : International Road Assessment Program (iRAP) - 3-star or Better Roads: Global and Indian Success</p> <ul style="list-style-type: none"> • Mr. Amit Kumar Ghosh, Joint Secy. (LA,EAP zone), MoRTH, Govt. of India • Mr. Luke Rogers, Global Quality Manager, iRAP • Mr. Jean Todt, FIA President & UN Secretary General's Special Envoy for Road Safety • Mr. Rob McInerney, CEO, iRAP • Ms. Elena Chesheva, Senior Transport Specialist on Road Safety, World Bank • Mr. Jigesh Bhavsar, IndiaRAP Technical Manager • Mr. Sanjay Nirmal, Secretary General, Indian Roads Congress • Mr. Nick Koukoulas, CEO Austroads • Mr. B.N. Puri, Asian Institute of Transport Development • Mr. Shane O'Connor, Communications Advisor, FedEx Global Citizenship

1600 – 1630 hrs	Networking Tea Break
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1630 – 1800 hrs	Parallel Sessions II	
	Safer Roads	Intelligent Transport System
	Hall : 4 Moderator : Dr. S M Sarin, Ex. Chief Scientist, CRRRI	Hall : A Moderator : Neil Pedersen, Executive Director, TRB
	640: Comparing Accident pattern and characteristics on national Highways in India (Hasan Mehdi Naqvi)	833 : Virtual ITS and Big Data : New Possibilities for Road Operations and Traffic Management (Ana Maria de la Parra and Alfonso de la Parra)
	792: Road Safety Issues of Hill Roads in India - Experience of RSA (T. S. Reddy)	830 : Infrastructure to Facilitate Automated and Assisted Driving. (Dr. Kenneth Smith, Hedblom, Hansen and Peterson)
	921: Challenges in the Development of Semi-flexible Barriers to meet MASH. TI4. (Leigh Brown)	607 : Advance Integrated Incident Management System for National Highways in India (H. M. Naqvi and R. K. Pandey)
	920: Conspicuity on Smaller Vehicles : Bicycles and Motorcycles (Ashish Agarwal)	894: Reinventing Car Sharing as a Modern and Profitable Services (Deepti Tikku and Mark Thomas)
	806: Effect on virtual acuity and discomfort from High-beam Glare in Naturalistic Condition on Indian Roads (Rohan Bhatial and Kavita Vemuri)	760: Evaluation of Post-Incident Traffic Management Measures for Emergency Response: A Case Study of Kolkata City (Kaniska Ghosh, Roshni Khandelwal, Meenu Francis and Bhargab Maitra)

	Hall: B	Hall: C
	<p>Special Session: Mobility as a Service (MaaS): Preparing for the New Era in Transport</p> <ul style="list-style-type: none"> • Maria Kamargianni, UCL, London • Antulio Richetta, IBI, Greece • Melinda Matyas, UCL, London • Caroline Jones Carrick, Project Director, TEV Project 	<p>Special Session: Argentina New Public Private Partnership (PPP) Projects : Plans and Tenders</p> <ul style="list-style-type: none"> • Ing. Javier Iguacel, Director, Vialidad Nacional (National Roads Directorate of Argentina) • Pablo Quirno, Chief of Staff, Ministry of Finance of Argentina
1830 – 2000 hrs	Welcome Cocktails	

15th November 2017															
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0930 – 1130 hrs	Plenary Session II – Transforming Transportation and Mobility														
Hall : 4	Moderator : Erik Grab, Vice President, Strategic Anticipation & Innovation, Michelin														
	Speakers														
	<ul style="list-style-type: none"> • Erik Grab, Vice President, Strategic Anticipation & Innovation, Corporate Development, Michelin - Keynote Panel • José Luis Irigoyen, Sr. Director, World Bank • Chris Heathcote, CEO, G20 Global infrastructure Hub • Umberto De Pretto, Secretary General, IRU • Neil Pedersen, Executive Director, TRB, USA • Bernd Marx, Global GM, Road Safety, Shell Group • Javier Alfredo Iguacel, Director, National Roads Directorate, Argentina 														
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1200 – 1330 hrs	Parallel Sessions - III														
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	Hall : 4	Hall : B
	<p>Special Session: Drive Safe India Initiative</p> <ul style="list-style-type: none"> • Bernd Marx, Group General Manager, Road Safety, Shell • Rahul Bharti, Vice President (Corp. Affairs), Maruti Suzuki • Darren Lindsey, Direction des Affaires Publiques, Michelin • Amit Saha, Sustainability Head, Coke India • Dr. Mridul Bhasin, Managing Trustee, Muskaan Foundation 	<p>Special Session: Transportation Research Board (TRB) - Practice Informing Research: India's Transportation Experts Participating in the Transportation Research Board</p> <ul style="list-style-type: none"> • Neil Pedersen, Executive Director, TRB, USA • Sharada Vadali, Texas A&M University • Sminu Jindal, Svayam – Global Centre for Inclusive Environments • Ashok Kumar, The World Bank • Sudeshna Mitra, Indian Institute of Technology, Kharagpur

1330 – 1430 hrs	Lunch	
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1430 – 1600 hrs	Parallel Sessions - IV	
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	Sustainable and Green Transport Infrastructure	Safer Roads
	Hall : B Moderator : Manoj Kumar, DG (RD), MoRTH	Hall : A Moderator : Karla Gonzalez, Practice Manager, Transport and ICT World Bank Group
	613: Mainstreaming the use of Green Construction Materials in Rural Roads in India (Arnab Bandyopadhyay)	686: Identifying the Relationship Between Severe Crash Frequency and the Characteristics of Old Industrial Complexes (Yuhwa Lee and Do-Gyeong Kim)
	909: Organo-Silane Warm Compaction Technology for Green Road (Dr. Ajay Ranka)	673: Drink drivers profile. Analysis of UK Collissions (Richard Owen, George Ursachi, Tanya Fosdick and Adrian Vasile Horodnic)
	823: Replacement of Cursher run aggregate as a value reinforcement material for Reused Waste of Construction Materials (Rocheli Carnaval Cavalcanti)	774: Safety Rating and Management of Road Network Based on Safety Inspection (Salvatore Cafiso and Gluseppina Pappalardon)
	766: Experimental analysis of Direct Carbon Dioxide (CO2) Emission from some of the Bitumen Types Normally used in India (P K Nanda, Vikas Kumar and Tamosi Bhattacharya)	641: Evaluating Truck Drivers speed and seat belt use before and after the implementation of a non-video onboard monitoring system. Richard Hanowski, Andrew Krum, Darell Bownman and Susan Socolich)
	683: Bio-Engineering for Sustainable Road maintenance (Indu Dhakal)	634: Traffic Calming Techniques Applied for Achieving Safe Roads in Akyaka Town (Cumhur Aydin and Alp Geyik)

	Innovative Road Infrastructure	
	Hall : D Moderator : R P Indoria, Ex. DG (RD), MoRTH	
	735: Quick Launch Bridges: For Safer, Smoother Traffic on Hill Roads (Lt Gen. S. Ravi Shankar)	Construction Method for Fast Track Erection of Skew Steel Truss Bridge in ALEP Package-2. (Anup Kumar Guru, Vikas C. Rane and Vivek Pipalia)
	854: Application of Foam Bitumen in Asphalt Pavement Recycling: A Case Study (Ambika Behl, Siksha Swaroopa Kar, Manoj Shukla, M.N. Nagabhushana and Satish Chandra)	674: Maintenance strategy of coating system for bridges located in severe corrosive environment (Kazunori Nobushige, Shigeki Kusuhara, Masao Kume and Akira Machida)
	784: Slope Protection Works for a Highway Embankment in Floodplains-a Case Study of Gangapath Expressway (Minimol Korulla, Anusha Nandavaram, Rupesh Kumar and Paolo Di Pietro)	

	Hall : 4	Hall : C
	<p>Special Session: Federation Internationale de l'Automobile (FIA) - Implementing the New Urban Agenda through innovation</p> <ul style="list-style-type: none"> Andrew McKellar, Secretary General Automobile and Tourism, FIA Piyush Tewari, Chief Executive Officer, SaveLIFE Foundation Nupur Gupta, Sr. Transport Specialist, Transport & ICT, World Bank Dr Vishwanath, former Director Road Safety in Municipal Corporation of Greater MUMBAI Shawn Lowry, Global Business Director for Transportation Safety, 3M Erik Grab, Michelin VP Strategic Anticipation & Innovation Corporate Nitin Dossa, President of WIAA, FIA member Sakira Panda, Manager, Cities and Transport WRI India Luca Pascotto, the FIA Smart Cities Initiative 	<p>IRF Young Professionals Lab - Prioritizing Road Safety Challenges from around the world</p> <p>Chairs: Ana María de la Parra, Mexico and Melinda Matyas, UK</p> <ul style="list-style-type: none"> Bruno Kinyaga, Tanzania Shawon Aziz, India Dr. Guneet Singh Assi, India Sobhana Patnaik

1600 – 1630 hrs	Networking Tea Break	
1630 – 1800 hrs	Parallel Sessions- V	
	Mobility Challenges	Safer Roads
	Hall : B Moderator : Amit Bhatt, Director, Integrated Urban Transport, WRI India	Hall : 4 Moderator : R K Pandey, Member (P), NHAI, India
	633: Multilane Highway Capacity Estimation by Micro-Simulation technique using calibrated vehicle following model (Sudip Kumar Roy and Subhamay Gangopadhyay)	893: Using iRAP star ratings and safer roads investment plans for improvement of regional road network in India. (Luke Rogers and Jigesh Bhavsar)
	804: Capacity estimation of uncontrolled intersection with and without speed breakers (Saurabh Kaushik, Mukti Advani, Ranja Bandyopadhyay and S. Velumurugan)	668: Study on Seat Belt usage: Case study of Abu Dhabi Emirate, UAE (Mohammad Shawky, Ahmed Al-Zaidy and Mohammad Kishta)
	754: Urban network congestion and road safety issues in Delhi: A root cause analysis (Dibyendu Sengupta and P.K. Sikdar)	Industry Presentation by Asim Tewari , COO, BRNL, SREI Equipments Finance Limited
	736: Simulating and analysing chaos of Indian Traffic Condition (Mayank Agrawal and Kavita Vemuri)	733: The Road Transport Management System, A Self Regulatory Approach for Improving Heavy Vehicle Safety (Paul Nordengen)
	797: Stemporal Classification of Flow-Patterns in Medsized Urban Road Network (A. Sai Kiran, Dabasis Bas and Bhargab Maitra)	783: Identification of Factors influencing injury Severity of Motorized Two-Wheeler Crashes in Patna. (Sachin Kumar Gupta)

Sustainable and Green Transport Infrastructure		
Hall : C	Moderator : Cathrine Fouchard, International Bitumen Emulsion Federation	
	824: Study of Recomposition of Asphalt Paving for Sanitation Works (Fernando Jorge Correa Magalhes Filho, Priscila Sabioni, Talita Franchiscini and Renta Rodrigues)	839: Health of Urban Roads (S.C Verma)
	847: Effect of Warm Mix Additive on the Performance of Crumb Rubber Modified Asphalt: A Case Study. (Ambica Behl, Satish Chandra and Siksha Sarooopa Kar)	794: Modern Trends In Selection and Design of Erosion Control Measures. (Rudra, Meenu P.S. and Moreno Scotto)
	Hall: D	Hall: E
	<p style="text-align: center;">Special Session: Future of Road Safety and Capacity in India</p> <ul style="list-style-type: none"> • Mr. Atul Kumar, NHAI India • Prof. Satish Chandra, CRRI, India • Dr. S. Velmurugan, CRRI, India • Mr. Ravi Prasad VVSS Palakodeti, MoRTH, India • Ms. Angshukana Datta, ICT, India 	<p style="text-align: center;">Special Session: Global Alliance of Road Safety NGOs - Walking the Talk: Driving Action for the Sustainable Development Goals</p> <ul style="list-style-type: none"> • Lotte Brondum, Executive Director, Global Alliance • François Bausch, Minister, Ministry of Sustainable Development and Infrastructure, Luxembourg • Torine Creppy – Safe Kids • Harpreet Singh – Avoid Accident, India • Kulan Mani – University of Putra SafeKids, Malaysia • Shane O'Connor – FedEx • Dipak Dash – Times of India
1830 – 2200 hrs	Colors of India Night	

16th November 2017															
0830 – 0930 hrs	Registration														
0930 – 1130 hrs	Plenary Session III – Road Safety: Realising Vision Zero														
Hall : 4	Moderator : Deepak Dasgupta, Former Chairman, NHAI, India														
	Speakers														
	<ul style="list-style-type: none"> • José Luis Irigoyen, Sr. Director, World Bank • Richard Neumann, Head Corporate Communication Swarco AG • John Riccardi, Vice President, Transportation Safety, 3M • Rob McInerney, CEO, iRAP • Mamatha, Chamathi, Chief Digital Officer, ZF • Suhaan Mukerji, Founding Partner, PLR Chamber 														
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710: A Proactive Approach to Assess Safety Level of At Grade Signalised Intersections (Prerit Gupta, Munavar Fairooz Charanchery and Bhargab Maitra)	793: Design of Geogrid reinforcement and Drainage composite for flexible pavement: Present challenges in practical applications (A Nandavaram and Ratnakar Mahajan)														
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	<p>Special Session: The International Road Transport Union (IRU) - Transport and Transit Facilitation in South and South East Asia Current Initiatives and Next Steps</p> <ul style="list-style-type: none"> • Kazem Asayesh, IRU • Bipul Chatterjee, CUTS International • Mr Sandeep Kumar, Central Board of Excise and Customs • Mr A D James, Ministry of Road Transport and Highways • Mr Bhupinder Singh Bhalla, Joint Secretary, SAARC, Department of Commerce • Mr. Sathish Reddy, Consultant, Asian Development Bank • Mr. Pritam Banerjee, Director, DHL Group. 														

	Hall: B	Hall: E
	<p>Special Session: China Highway & Transportation Society (CHTS) - The Belt and Road Transport Cooperation</p> <ul style="list-style-type: none"> • Moderator: Susanna Zammataro, Executive Director of IRF Geneva • Mengyong WENG, President of China Highway & Transport Society • Yonghong SUN, Deputy Director General of Highway Department of Ministry of Transport, China • Xinghua HE, President Assistant, Jiangsu Transportation Institute (JSTI) • Xiheng GUI, Xingyi Highway Administration Bureau, Guizhou, China • Mingqing, GAO, Tibet JOFO Green Co., Ltd • Feng LIN, Mechfound New Materials Science and Technology (Shanghai) Co., Ltd • Yunfeng GAO, Shanghai Maritime University 	<p>Special Session: The WORLD BANK - Critical Issues in Implementation to Meet the SDG Targets</p> <ul style="list-style-type: none"> • Jose Luis Irigoyen, Sr. Director Transport & ICT, World bank • Arnab Bandyopadhyay, Lead Transport Specialists, World Bank • Karla Gonzalez Carvajal, Practice Manager, Transport, World Bank • Aitor Retes, Member CITA, Bureau Permanent • Sanjay N. Datar, General Manager, ARAI

1330 – 1430 hrs	Lunch	
1430 – 1600 hrs	Parallel Sessions-VII	
	Sustainable and Green Transport Infrastructure	Innovative Road Infrastructure
	Hall: A Moderator : Dr. Satish Chandra, Director, CRRI	Hall : C Moderator : G Saran, Ex. DG (RD), MoRTH
	635: Enhancement of unconfined compressive strength (UCS) values of Reclaimed Asphalt Pavement (RAP) for using it as sub-base/ base course of flexible pavement. (Dulal Chandra Saha and Prof. J N Mandal)	679: Design of Long Life Pavements based on thin high strength cement bound bases. M7/M8 Portlaoise Motorway experience, Ireland (David Almazan Cruzado)
	757: Mechanical Properties of Binary Blended Concrete Mixes for rigid pavement (Nikunj Sureja, Dinesh Ganvir, Binod Kumar and Dipak Rathva)	915: Nanotechnology for Pavement Life Extension: Case Studies in India over 7 Years (Himanshu Agarwal)
	800: Road Networks as Ecological Corridors: A Case for Sustainable Road Landscapes in India (Nidhi Madan)	763: New Methods to Measure and Evaluate the Roads in 3D Based LiDAR (Dirk Ebersbach)
	675: ITS for Integrated Management of Highway Storm Water Run-off: The Treatment of Chronic Effects and the Protection from Acute Effects on the Environment Caused by Liquid Spills (Stefano Biondi, Marco Seathtolin, Sabato Fusco and Silvano Vernizzi)	790: Design and Construction of Rockfall Mitigation Measures Along Mumbai Pune Expressway: A Case Study (Giorgio Giacchetti, Roshan R. S. V., Rudra and Meenu P. S.)
	759: Advancement in concrete paving technology in India (B.S. Singla, Asheesh Jain and R K Jain)	688: Behavioural study of self-compacting concrete with Wollastonite Microfiber as part replacement of sand for PQC (Praveen Kumar and G.D. Ransinchung R.N.)

Managing Road Asset	
Hall: D Moderator : S K Puri, Advisor, IRF (IC)	843: Comparison of Rural Road Prioritisation between Structural Equation Modelling (SEM) process and Analytic Hierarchy Process (AHP) to approach the suitable and effective analysis. (Koson Janmonta)
643: Reforms in Road Financing Policies (Roger Ribeiro)	892: Road Roughness and Inventory Survey with Smart Phones (Micke Kedback)
926: DEM Simulation of Punch Test for Mechanical Characterisation of Critical Mesh (Marco Deana, Fabio Gabrieli, Nicola Mazzon and Klaus Thoeni)	785: Asset Management of Low Volume Rural Roads. (T. K. Subhash)

Hall : E	
Special Session: Forum of European Highway Research Laboratories (FEHRL) - Transport Infrastructure Innovation and Exploitation	
<ul style="list-style-type: none"> • Dr. Thierry Goger, • Dr. Adewole Adesiyun 	

Board Room	IRF Geneva Board Meeting
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1600 – 1630 hrs	Networking Tea Break	
1630 – 1800 hrs	Parallel Sessions-VIII	
	Innovative Road Infrastructure	Intelligent Transport System
Hall : A Moderator : Thierry Goger, Secretary General, FEHRL	Hall : C Moderator : Michael Caltabiano, CEO, ARRB	
739: Self-Healing Pavements: A Revolution in Pavement Materials (Sampath Kumar Pasupunuri, Devesh Tiwari, Sunil Jain and Pradeep Kumar)	Vehicle-to-infrastructure Communication from an Inter-Urban Perspective. (Grehard Ploss and Andreas Schmid)	
925: Innovative and Cost Effective Method of Road Embankment Foundation Design Using Basal Reinforcement Technique for DUQM Road Project in Oman (P. V. Jayakrishnan, M. Halasa, M. Scotto and P. Pezzano)	684: Application of Intelligent Transport System (ITS) for Developing Countries (Sanjeev Suman, Shmabhavi Mishra and Praveen Kumar)	
Safer Roads – A Way Towards Economic Growth: A Case Study on Landslide Mitigation Measures Along MH-58 in Uttarakhand, India (Minimol Korulla, A Veeraragavan, Rupesh Kumar, Kinjal Parmar and S Reginald)	772: European Opticities, Grand Lyon, France: A Real- Time Simulation Model for Urban Traffic Control and Network Optimisation (Alexandre Torday and Dave Keenan)	
742: New Generation Pavement Design with Nanotechnology (Vivek Kane)	728: Integrated Transportation System in Cities (Ramakant Jha)	
745: Comparison of Effective CBR Value between Japanese Formula and Elastic Two Layer Theories (Swapan K. Bagui and K.K. Verma)	836: Identificatiaon of critical locations for incident Modelling - a Case Study of Kolkata City (Bhargab Maitra and Kaniska Ghosh)	

Safer Roads	
Hall : D Moderator : Claude Van Rooten, President PIARC	
917: Implementation of Africa Road Safety Action Plan (Jane Karonga)	Wet Reflectivity in Road Markings - Asia Pacific Region (Kim Leong Tan)
743: The positive impact of speed enforcement on traffic safety - Case studies (Martin Schumacher, and Nadine Rbenacker)	762: Impact of Helmet Advocacy And Enforcement In Rajasthan (Prerana Arora Singh and Atiq Ahmed)
671: Distraction in road-safety interventions. Challenging social norms without using 'fear appeal' (Steve Ferris, Tanya Fosdick, Dan Campsall and George Ursachi)	844: Determination of crash barrier runout lengths for expressways in India based on crash data analysis. (Vernon Chinnadural, Ravishankar Rajaraman and Muddassar Patel)
Hall : E	Hall : B
IRF Young Professionals Lab - Moving into the Future: Mobility, Liveable Cities and Big Data <ul style="list-style-type: none"> • Chairs: Ana María de la Parra (Mexico) and Melinda Matyas (UK) • Eloi Artau, Spain • Usman Shuaibu, Nigeria • Matthew Townshend, South Africa • Francesco Micci, Italy 	IRF Geneva General Assembly
1930 - 2200 hrs	Hall 4 Gala Dinner

17th November 2017															
0830 – 0930 hrs	Registration														
0930 – 1130 hrs	Plenary Session IV – Creating Liveable Cities														
	Hall : 4 Moderator : David Stuart Watt, Roads Australia														
	Speakers														
	<ul style="list-style-type: none"> • Dr. Sudhir Krishna, Former Secretary, Urban Development & Chairman, Committee on Standards for Smart Cities, BIS • Amit Bhatt, Director, Integrated Urban Transport, WRI India • Dr. Gerhard Ploss, General Manager, Swarco • Amit Bhardwaj, SRO, NITI Aayog, India • Dr. Amit Gupta, Professor, Division of Trauma Surgery and Critical Care, JPN Apex Trauma Centre, AIIMS • Lotte Brondum, Executive Director, Global Alliance Road Safety NGOs 														
1130 – 1200 hrs	Networking Tea Break														
1200 – 1330 hrs	Parallel Sessions - IX														
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	919: Road Safety Education and Awareness Program: A Massive Rural Outreach Initiative (C. L. Verma, S. K. Singhvi, Guneet Singh Assi and Rajeev Kumar Agarwal)	842: French National Road Observatory (Jean Claude Roffe and Christine Leroy)
	821: Generating insights from correlating driving behavior of drivers with the changing driving context (Birendra Bisht & Susmita Pandey)	738: Development of Pavement Maintenance Management System for High Speed Road Corridors Using State-of-Art Technologies (K. Sitaramanjanyulu and Pradeep Kumar)
	Mandatory Conspicuity Regulations in SEA Countries. (Harish Banwari)	881: A Framework for Asset Management for PMGSY Road Network (P K Sikdar and Pramod K. Nanda)

1200 – 1330 hrs	Hall : 4	Hall : A
	<p>Special Session: World Road Association (PIARC) - The Importance of Asset Management</p> <ul style="list-style-type: none"> • Dr Eric Stannard, CEO, HDM Global • Dr Devesh Tiwari, Senior Principal Scientist, Central Road Research Institute (CRR), India • Jean-Claude Roffé, Vice President, European Road Federation (ERF) • Nick Koukoulas, CEO, AustRoads (Australia) • Claude Van Rooten, President, PIARC 	<p>Special Session: Post Crash Care</p> <ul style="list-style-type: none"> • Dr. Tanu Jain • Ankita Sharma • Mallikarjun G. • Santosh Mahindrakar • Madhur Uniyal • Namrata Makkar • Dinesh Bagaria • Vignesh Kumar • Dr. Kuldeep Saxena
1330 – 1430 hrs	Lunch	
1430 – 1600 hrs	Hall : 4	VALEDICTORY

POSTER PRESENTATION PROGRAMME

15th November 2017

1200 – 1330 hrs	Poster Session - I : Institutional Framework and Safer Roads Infrastructure	
	746 : A Framework for Road Safety Management (RSM) in Indian States (T. S. Reddy)	747 : Critical Aspects of Planning, Design and Operation of High Speed Roads (T. S. Reddy)
	801 : Creating Culturally Appropriate Transport Infrastructure for A Life of Independence: A Review (Nidhi Madan)	786 : Media Content Regulations Program (Anurag Kulshrestha and Rajni Gandhi)
	808 : Challenges of Improving Safety on Indian Highways: Lessons Learnt from Road Safety Audit (S Mitra, B Maitra, J R Sarkar & B B Majumdar)	803 : Guidelines for safer and better roads - a methodology to incorporate best practices in planning safer road infrastructure in India (Manmohan Singh and Sandipan Chatterjee)

16th November 2017

1200 – 1330 hrs	Poster Session - II : Sustainable & Green Transport with Mobility Challenges	
	627 : Walking and bicycling to school Understanding the impact of social economic factors and built environment (Kuldeep)	654 : Cloud-based Road Management System (Konsta Mikael Sirvio and Zaur Izzatdust)
	761 : Study of Driver Yield Behaviour at Unsignalized Pedestrian Crosswalks in Kochi City (Reva Dileep, Bino I. Koshy and Ebin Sam)	805 : Right to Walk: Moving People and Not Vehicles (Anjee Agarwal, Debabrata Chakravarti and Nidhi Madan)
	814 : Walkability, Accessibility & Safety Audits: Ensuring Last Mile Connectivity (Anjee Agarwal, Debabrata Chakravarti and Nidhi Madan)	669 : Roller Brake Test Pass-Fail Criterion for Vehicle Fitness Certification, AIS-128, and Scope for Improvement (Amlan Dey and Abhijit Kumar Mandal)
	672 : Comparative Study of GHG Emission from Various Pavement Construction Technologies (Siksha S Kar, Binod Kumar, Ambika Behl & Anuradha Shukla)	

17th November 2017

1200 – 1330 hrs	Poster Session - III : Asset Management & Innovative Materials	
	826 : Feasibility Study of Restoration of Campo Grande-MS Pavement Through Polymer-modified Cold Asphalt Microrrestment (Rocheli Carnaval Cavalcanti, Rutenio Cesar Cristaldo, Priscila Sabioni, Ana Paula Ferreira & Janaina Da Silva)	818 : Data-Centric, Technology-Enabled Algorithmic Framework to Measure And Classify Damaged Roads for Maintenance in the Indian Context (Birendra Bisht and Susmita Pandey)
	914 : Nanotechnology Sets New Standards for Sustainable Water Resistant Pavements (Himanshu Agarwal and Rajesh Pitroda)	910 : Nanotechnology for Sustainable Pavements with Flexural Strength (Ajay Ranka and Vivek Kane)
	678 : Improved Relation for Calibration of Fifth Wheel Bump Integrator in Indian Conditions (Lalita Jangpangi, H.Lokeshwar and Y.C.Tewari)	817 : A Solution to Repair Damaged Roads Effectively Innovation in Road Infrastructure (Suresh B. Kapadia)
	676 : PMGSY Road Asset Inventory and Pavement Condition Data Assessment Using A Portable Low-Cost Video Imaging Based System (Namita Akoijam, L. K. Das and Huidrom Lokeshwor)	