

INFRA ROAD-TECH 2019				
FOURTH NATIONAL CONFERENCE ON ROAD AND INFRASTRUCTURE - RASTA BENGALURU				
4-5, April 2019				
DAY 1 - 4 <sup>th</sup> April 2019				
Time	Session	Description	Session	Description
0830-0945	<i>Registration</i>			
0945-1045	<i>Inauguration</i>			
1045-1100	Break-1	Coffee/Tea Break		
1100-1330	<b>VENUE: MAIN AUDI</b>		<b>VENUE : RASTA CONFERENCE HALL</b>	
	<b>Session-1A</b>	<i>Theme: Advances in Construction Materials and their Characterization</i>	<b>Session-1B</b>	<i>Theme: Emerging trends in Design and Construction of Infrastructure / Case Studies in Infrastructure Construction</i>
		Chair: Dr. B.R.Srinivasmurthy, Former Prof. IISc.Chairman – Task Force, Govt. of Karnataka & Former Technical Advisor, RASTA		Chair: Dr. H.S.Jagadish, Professor., BMS College of Engg., Bangalore
		Co-Chair 1: Dr. Radhakrishna HOD,CED, RVCE		Co-Chair 1:Mr. Lokesh, Executive Director, Infra Support Engineering Consultants Pvt. Ltd.,
Rapporteur: Mrs. Veera Biradar, Managing Director, Transheight Consultants Pvt. Ltd., Bangalore & RASTA Alumni	Rapporteur: Mr. Uday Kumar, Road Safety Consultant			
1330-1415	Break-2	Lunch		
1415 - 1515	<b>Session-2A</b>	<i>Theme: Traffic Engineering &amp; Management</i>	<b>Session-2B</b>	<i>Theme: Infrastructure Planning &amp; Construction Management</i>
		Chair:Mr. Shivananda K.R. Associate Director, AECOM, Bangalore		Chair: Dr. Aravind Bashyam, Prof. Christ University
		Co-Chair 1:Mr. G. Ananda, APT Consulting Engineering Services		Co-Chair 1: Sri. Rajkumar Reddy,Sr. Engineer, PWD & RASTA Alumni
	Rapporteur:Mrs Anusha Yashas, Streets Consultants, Bangalore & RASTA Alumni	Rapporteur: Mr. Madhav Pokhale , ALCON Consultants		
1515 - 1530	Break-3	Coffee/Tea Break		
1530-1700	<b>Session-2A contd.</b>	- session continues -	<b>Session-2B contd.</b>	- session continues -
1700 - 1800	<b>Technical Quiz</b>			

**INFRA ROAD-TECH 2019**

**FOURTH NATIONAL CONFERENCE ON ROAD AND INFRASTRUCTURE**

4-5, April 2019

DAY 2 - 5<sup>th</sup> April 2019

Time	Session	Description	Session	Description
	<b>VENUE: MAIN AUDI</b>		<b>VENUE : RASTA CONFERENCE HALL</b>	
0930 - 1200	<b>Session-3A</b>	<b>Theme: Ground Improvement Techniques</b>	<b>Session-3B</b>	<b>Theme: Infrastructure Financing</b>
		Chair: Sri. Mohan Ramanathan, MD MS Advanced Construction Technologies, Chennai		Chair: Dr. Shantrajanna, CE, PWD
		Co-Chair 1: Major. Ashwath, Managing Director, "LARATECH Consultancy Services (P) Ltd- Bangalore		Co-Chair 1: Mr. Vijaykumar, (formerly AECOM)
		Rapporteur: Mr. Thimmareddy, NEST Consultancy and & RASTA Alumni		Rapporteur: Mr. Vinay, SOMA Enterprises, Ltd., & RASTA Alumni
1200-1215	Break-1	Coffee/Tea Break		
1215 - 1245	<b>INDUSTRY PRESENTATIONS</b>		<b>INDUSTRY PRESENTATIONS</b>	
1245 - 1330	<b>RASTA ALUMNI MEET</b>		---	
1330-1415	Break-2	Lunch		
1415 - 1515	<b>Session-4A</b>	<b>Theme: Pavement Evaluation / Road Asset Management / Life Cycle Analysis</b>	<b>Session-4B</b>	<b>Theme: Use of Smart Technologies in Highways and Infrastructure</b>
		Chair: Dr. A. Veeraragavan, Prof. IITM & Technical Advisor RASTA		Chair: Captain Doddihal, KES, Chief Engineer KUIDFC, CE, PWD (Retd.)
		Co-Chair 1: Dr. Anjaneyappa, Prof., RVCE		Co-Chair 1: Mr. Ratnakar Reddy K.B., Chairman, Infra Support Engineering Consultants Pvt. Ltd., Bengaluru
		Rapporteur: Mr. Rajesh, MD Trowell India Pvt. Ltd., &		Rapporteur: Mrs. Manuja, AAI & RASTA Alumni
1515 - 1530	Break-3	Coffee/Tea Break		
1530-1700	<b>Session-4A contd.</b>	- session continues -	<b>Session-4B contd.</b>	- session continues -
1700 - 1800	<b>VALEDICTORY &amp; PRIZE DISTRIBUTION</b>		---	

Sl. No.	<u>Papers selected for Presentation Infra Road Tech 2019</u>		
<b>Theme 1A : Advances in Construction materials &amp; their Characterisation/ Advances in concrete Technology</b>		<b>Theme</b>	<b>Paper Number</b>
1	An experimental investigations on Alkali activated concrete with use of Recycled asphalt pavement (RAP) aggregates and GGBS	1A	IRT04
2	Investigational study on strength and durability of slag based pervious concrete for paver blocks	1A	IRT09
3	Retrospect On The Use Of Super Absorbent Polymers In Concrete As Internal Curing Agents	1A	IRT18
4	A study on strength characteristics of rubber tyre as a fine aggregate in concrete	1A	IRT36
5	Measuring the rheological properties of self-compacted concrete using direct shear box	1A	IRT39
<b>Theme 1B : Emerging Trends in Design &amp; Construction of Infrastructure /Case studies</b>		<b>Theme</b>	<b>Paper Number</b>
1	Potential for Renewable Space Cooling for Commercial buildings in Goa, India-state of the Art	1B	IRT37
2	Effect Of Coir And Sisal Fibers On SMA Mixes	1B	IRT41
3	Studies Of Aging Characteristics Of Reclaimed Asphalt	1B	IRT47
4	Studies on RAP materials using Stone Matrix Asphalt Mixes	1B	IRT50
5	Use of Recycled Concrete Aggregates (RCA) in Bituminous Concrete Grade - I mixes.	1B	IRT 46

<b>Theme 2A : Traffic Engineering &amp; management</b>		<b>Theme</b>	<b>Paper Number</b>
1	Sustainable traffic management and signal time optimisation at Aruna intersection, davanagere	2A	IRT40
2	Traffic volume count and signal optimization at railway station circle and Pooja circle, Davanagere	2A	IRT21
3	Traffic impact study and signal design at Nagavara junction	2A	IRT28
4	Study of flow characteristics on urban divided roads	2A	IRT12
5	Analysis of junction and traffic data for the improvement of Yelahanka police station circle	2A	IRT02
6	Vehicle volume actuated variable timing signal design	2A	IRT03
<b>Theme 2B : Infrastructure Planning &amp; Construction Management</b>		<b>Theme</b>	<b>Paper Number</b>
1	Performance evaluation of Puducherry road Transport corporation and its improvement measures	2B	IRT27
2	Purport of Demographic data for a city pair Air travel demand model in India	2B	IRT01
3	Factors affecting Labour Productivity in Precast Construction Industry	2B	IRT10
4	Tender S.U.R.E road-An initiative in urban pedestrian infrastructure in bengaluru	2B	IRT35
5	Design methodology for feasible railway alignment - A case study on Hubballi new bye pass double line	2B	IRT13

<b>Theme 3A : Soil characterisation / Non-destructive testing</b>		<b>Theme</b>	<b>Paper Number</b>
1	Experimental studies on physical properties of recycled aggregate from construction and demolition waste for use in pavement	3A	IRT38
2	Enhancement of Engineering Properties of Black-Cotton Soil using Lime, Cement and Flyash	3A	IRT49
3	Geotechnical characteristics of B.C soil treated with DFA	3A	IRT25
4	Effect of Terrazyme dosage on compaction consistency limits and strength characteristics of shedi soil	3A	IRT26
5	Non destructive testing: A review	3A	IRT33
<b>Theme 3B : Traffic Safety</b>		<b>Theme</b>	<b>Paper Number</b>
1	Traffic and road safety analysis of selected stretch in Tumkur city	3B	IRT05
2	Road safety audit- A case study	3B	IRT08
3	Road safety audit- A case study on NH-206 corridor	3B	IRT11
4	Blackspots study	3B	IRT17
5	Pedestrian safety management- A case study at KSIT college	3B	IRT34

<b>Theme 4A :Pavement Evaluation /Road Asset Management/Life cycle Analysis</b>		<b>Theme</b>	<b>Paper Number</b>
1	Determination of remaining life of existing flexible pavement using KGP BACK and IIT PAVE	4A	IRT06
2	Road asset management for urban roads	4A	IRT07
3	Study of mode-wise comparison of effective roadway utilization on an urban arterial road with presence of side friction characteristics	4A	IRT32
4	Structural And Functional Evaluation Of State Highway	4A	IRT44
5	Fabrication And Digitization Of Low-Cost Pothole Quantifying Device	4A	IRT42
6	Identification of pavement distress using drone based photogrammetry	4A	IRT 48
<b>Theme 4B :Use of smart Technologies in Highways and Infrastructure / Urban Mobility</b>		<b>Theme</b>	<b>Paper Number</b>
1	Design of an IoT solution for Road Development progress and quality tracking system	4B	IRT20
2	Snow melting heated pavement using electrical heat tracing system	4B	IRT29
3	Bicycle transit network system for Shivamogga city	4B	IRT14

4	Urban travel pattern - A case study of Jayanagar, Bangalore city	4B	IRT15
5	Urban travel pattern at Kempegowda International Airport	4B	IRT16
6	Proposed bus rapid transit system from Davanagere to Harihara	4B	IRT23

**Papers selected for Poster Infra Road Tech 2019**

1	Mud Concrete For Pathways And Walkways	IRT45
2	Piezoelectric roads	IRT30
3	Internet of things	IRT31
4	Providing cycling track and simulation using Vissim software-case study at Yalahanka	IRT22
5	Bus rapid transit system(BRTS) using VISSIM software	IRT24
6	Impact of Aggression on Driver's Behaviour	IRT 43
7	SOIL STABILISATION USING LIME & E-WASTE	IRT 51
8	TRANSPARENT CUBE USING CEMENT MORTAR 1:3	IRT 52