

USMCA 2018, IIIT Hyderabad Program Schedule

Day 0: 11 December 2018		
Time		
13:00—17:00	Mini- tour	
18:00—20:00	Welcome, Holiday Inn Express, Hyderabad	Participation Fee: Rs.3000/per person
Day 1: 12 December 2018		
Venue: KRB Auditorium, IIIT Hyderabad		
08:30—9:00	Registration	
9:00—9:50	Inauguration & Inaugural Address :Mr. Kamal Kishore -Member NDMA	
9:50—10:30	Keynote Address 1 : Professor Kimiro Meguro, Director, ICUS, University of Tokyo, Japan	
10:30—11:10	Keynote Address 2 : Mr. N.V.S. Reddy- Managing Director, Hyderabad Metro Rail	
11:10—11:30	Group photo & Tea	
	Venue 1: KRB Auditorium, IIIT Hyderabad	Venue 2 : KRB Meeting Hall, IIIT Hyderabad
	Invited Lecture 1	Invited Lecture 2
11:30—12:00	Dr. Hiroto Suzuki Director, R&D East Japan Railway Company, Japan	Dr. Shinji Konishi Department Manager, Infrastructure Maintenance Dept., Tokyo Metro Co., Ltd., Japan
	Oral Presentations	Oral Presentations
12:00—13:00	Chair : Professor Kimiro Meguro Director, ICUS Co-Chair :Dr. Vimala, Anurag Institutions, Hyderabad	Chair :Professor Kuwano Institute of Industrial Science, The University of Tokyo, Tokyo, Japan Co-Chair :Dr. Narender Bodige, Anurag Institutions, Hyderabad
13:00—14:00	Lunch	
	Venue 1: KRB Auditorium, IIIT Hyderabad	Venue 2 : KRB Meeting Hall, IIIT Hyderabad
	Invited Lecture 3	Invited Lecture 4
14:00—14:30	Professor K.V.L.Subramaniam IIT Hyderabad	Dr.Srinagesh Chief Scientist, NGRI, Hyderabad
	Oral Presentations	Oral Presentations
14:30—15:10	Chair : Dr. Nagai Institute of Industrial Science, The University of Tokyo, Japan Co-Chair :Dr. ChennaRajaram RGM CET, Nandyal	Chair :Professor Sudhir Misra IIT Kanpur Co-Chair :Dr. T. Uomoto Professor Emeritus, University of Tokyo, Japan
15:10—16:00	Tea, Exhibition and Poster Session	
	Oral Presentations	Oral Presentations
16:00—17:00	Chair :Professor Sudhir Misra IIT Kanpur Co-Chair :Dr. T. Uomoto Professor Emeritus, University of Tokyo, Japan	Chair : Dr. Nagai Institute of Industrial Science, The University of Tokyo, Japan Co-Chair :Dr. ChennaRajaram RGM CET, Nandyal
17:30—18:45	Cultural Event , Amphi Theatre, IIIT Hyderabad	
19:00—21:00	Conference Banquet and Dinner	

USMCA 2018, IIIT Hyderabad Program Schedule

Day 2: 13 December 2018		
09:00—09:30	Venue 1: KRB Auditorium, IIIT Hyderabad	Venue 2 : KRB Meeting Hall, IIIT Hyderabad
	Invited Lecture 5	Invited Lecture 6
	Professor C.V.R.Murty IIT Madras	Professor Ravi Sinha IIT Bombay
09:30—10:50	Oral Presentations	Oral Presentations
	Chair :Professor Katta Venkatramana NIT Surathkal Co-Chair : Dr. Mizutani Institute of Industrial Science The University of Tokyo, Japan	Chair :Dr. Honma Institute of Industrial Science (IIS), The University of Tokyo, Japan Co-Chair :Dr. Archana Dongre NCHU, Harbin
10:50—11:30 Tea, Exhibition and Poster Session		
11:30—12:00	Venue 1: KRB Auditorium, IIIT Hyderabad	Venue 2 : KRB Meeting Hall, IIIT Hyderabad
	Invited Lecture 7	Invited Lecture 8
	Professor Taketo Uomoto Professor Emeritus, University of Tokyo, Japan	Dr. Ryoko Sera Manager, Operational Headquarter, Geo Search Co. Ltd., Tokyo, Japan
12:00—13:00	Oral Presentations	Oral Presentations
	Chair : Mr. Bhikshapathi DG, NAC Hyderabad Co-Chair : Dr. Numada ICUS, The University of Tokyo, Tokyo, Japan	Chair :TBC-Indian Co-Chair :Dr. Matsumoto Institute of Industrial Science, The University of Tokyo, Japan
13:00—14:00 Lunch		
Venue: KRB Auditorium		
14:00—14:40	Keynote Address 3 : Dr. Y. Kumamoto, Senior Executive Officer, DDG, IA HQ, Indian High Speed Railway Project	
14:40—15:20	Keynote Address 4 : Dr. Reiko Abe, MD, Oriental Consultants Limited, Japan	
15:20—16:00 Tea		
16:00—17:00	Closing Plenary: Sri. Mohan Kanda IAS- Former Chief Secretray, Govt. of Telengana Guest of Honour: Sri. M. Gopikrishna IPS, DG, Fire Services, Telengana	
18:00—20:00	Farewell , Fisherman's Wharf Hyderabad	Participation Fee: Rs.3000/per person
Day 3: 14 December 2018		
08:00—17:00	Technical Tour (Uppal Metro Segement Casting Yard, NGRI, Golkonda Fort): Participation fee - INR1750 or USD25	
Note: Each Oral Presentation is of about 10 minutes duration		

USMCA 2018: Day 1: 12 December 2018 Venue 3 Poster Presentations

<i>No.</i>	<i>Time</i>	<i>Paper No</i>	<i>Authors</i>	<i>Title</i>
1	11:30-16:30	3	Velani Pulkit Dilip Ramancharla Pradeep Kumar	Effect of aspect ratio and elevation profile on mode shapes of Tall building
2		27	Rahul Suresh Vishwakarma Pradeep Kumar Ramancharla	Analysis of Hill Slope Buildings for Twist Variation with Change in Aspect Ratio
3		30	Swapnil Nayan Pradeep Kumar Ramancharla	Analysis of Reinforced Concrete Building for Strong Column and Weak Beam Behaviour
4		35	Haritha Bendapudi Pradeep Kumar Ramancharla	Dams and Earthquakes
5		61	Keerthana Etoori Pradeep Kumar Ramancharla	Recommended Field Investigations for Earthquake Safety of Low Medium and High-rise Buildings in Different Soil Conditions
6		64	Saurabh Agrahari Pradeep Kumar Ramancharla	Finite Element Analysis of Punching Shear of Reinforced Concrete flat slab
7		67	Anshu Singh Rajpoot Pradeep Kumar Ramancharla	Effect of Soil Structure Interaction on progressive Collapse analysis of transmission Tower

USMCA 2018: Day 1: 12 December 2018 Venue 1					Oral Presentations
No.	Time	Paper No	Authors	Title	
Invited Lecture 1	11:30-12:00	25	Dr. Hiroto Suzuki	Development and practical application of train operation control method against wind gust using Doppler Radar	
			Kenichi Kusunoki		
			Chusei Fujiwara		
			Hanako Inoue		
1	12:00-12:10	8	Kohei Nagai Punyawut Jiradilok Koji Matsumoto	Development of bond deterioration model in corroded RC member for discrete analysis model	
2	12:10-12:20	16	Ravi Shankar Badry Pradeep Kumar Ramancharla	Numerical Modelling of Radiating Boundary Conditions for Wave Propagation in Nonlinear Media	
3	12:20-12:30	9	Koji Matsumoto Kohei Nagai Rajamurugan Sundaram Aupam Awasthi	Cause estimation and proposal of inspection method for damaged PC sleepers of Indian Railways	
4	12:30-12:40	7	M. Sulakshna Anu V. S. Vani Rajeswara R. Resapu Medapati Neeraja	Effect of Sub-Strata Length Variations on Seismic Performance of Multi-Storey Structure with Raft and Pile Foundation	
5	12:40-12:50	15	Tsukasa Mizutani Takahiro Yamaguchi	Automatic and High-Speed Damage Detection of Reinforced Concrete Bridge Slab by Ground Penetrating Radar	
		13:00-14:00	Lunch		
Invited Lecture 3	14:00-14:30		Professor K.V.L. Subramaniam		
6	14:30-14:40	14	Niranjan Godage R.Pradeep Kumar	Estimation of Response Reduction Factor 'R' for Slender Reinforced Concrete Building using Performance Based Seismic Engineering	
7	14:40-14:50	21	Kishor Timsinal Chaitanya Gadagamma Krishna Hideomi Gokon Kimiuro Meguro	A proposal for an optimized solution for open storey problem in non-engineered infilled masonry Reinforced Concrete framed buildings in Nepal	
8	14:50-15:00	32	Sana Sultana Pradeep Kumar Ramancharla	Comparison of Base joint column reactions of Buildings on various slopes and Non linear static analysis	
9	15:00-15:10	69	Silpa Chowdary Sadineni Hideomi Gokon Kimiuro Meguro	Numerical study of a new retrofitting method for weak RC frame buildings with masonry infill walls using PP-band mesh technique	
		15:10 – 16:00	Tea, Exhibition and Poster Session		
10	16:00-16:10	44	Susmitha Yella Janardhana Maganti	Effect of infill wall stiffness on Seismic Analysis of High Rise Building having Mass Irregularity	
11	16:10-16:20	45	Narender Bodige A. Naresh	Seismic behavior of flat slab buildings in seismic zones by Linear Dynamic Analysis : A comparison between the Conventional Building to Flat slab	
12	16:20-16:30	52	Pradeep Pandre Shreyasvi C Katta Venkataramana	Seismic Performance Assessment of Buildings Located on a Sloping Ground	
13	16:30-16:40	62	Jisha S. V. Neethu Prakash Vaidehi S. R.	Influence of containment reinforcement on the seismic response of URM buildings considering the effect of flexibility of soil medium	
14	16:40-16:50	28	O R Jaiswal Vikas M Thakur	Use of existing components of structure as Tuned Mass Damper	

USMCA 2018: Day 1: 12 December 2018 Venue2				Oral Presentations
No.	Time	Paper No	Authors	Title
Invited Lecture 2	11:30-12:00	6	Dr. Shinji Konishi	Anti-induce Measures of Underground Subway Station
			Masahiro Hori	
			Satoshi Ito	
			Youji Aoki	
1	12:00-12:10	1	Tetsuro Ito	The way of leadership at crisis management
2	12:10-12:20	68	Muneyoshi Numada	Development of Disaster Process Management System
			Kimiro Meguro	
3	12:20-12:30	65	Hideomi Gokon	Towards a disaster resilient society using remote sensing technology
			Yasuhiro Kataie	
			Masanori Kuwa	
			Shinya Kondo	
4	12:30-12:40	22	Rajaram Chenna	Generation of Ground Motion Prediction Equation for Iran
			Pradeep Kumar Ramancharla	
5	12:40-12:50	5	Saki Nemoto	System for Preventing Flaking of Lining Concrete in Subway Tunnel
			Shinji Konishi	
			Daisuke Tanaka	
			Yuki Enokidani	
	13:00-14:00	Lunch		
Invited Lecture 4	14:00-14:30		Dr.Srinagesh	
6	14:30-14:40	33	Miyuki Wakasugi Yudai Honma	Territory Clustering Based on the Visual Attractions of Multi-objects
7	14:40-14:50	17	Prakhar Misra Wataru Takechi	A novel technique for estimating expansion of residential, commercial and industrial regions in Indian metropolitan cities
8	14:50-15:00	12	Yu Ohara	An investigation of initial cavity and ground arching based on model tests
			Reiko Kuwano R. Sera	
9	15:00-15:10	20	Abhinav Kolla	DisCom: A Robust Post-Disaster Communication Infrastructure
			Aditva Varma	
			Dilip Kumar	
			Prafulla Kalaputapu	
			Bharghava Rajaram Rishaad Rishaad	
	15:10 – 16:00	Tea, Exhibition and Poster Session		
10	16:00-16:10	4	Itsuki Sato Reiko Kuwano	Shear characteristics of very loose volcanic soil causing slope disaster
11	16:10-16:20	24	Masatoshi Okamural	A study of Penetration resistance value at Loose area under the Cavity : Expansion process of Sub-Surface Cavity
			Masahiko Abe	
			Kazutoshi Kitamura	
			Hiromitsu Nishiyama	
			Rumiko Hatakevama Reiko Kuwano	
12	16:20-16:30	66	Tomoko Matsushita	An Investigation of Urban Safety in Yangon's Back Drainage Space: Identification of Existing Challenges and Roles of Stakeholders considering the Potential as Urban Commons
			Emilie Roell	
			Aya Kubota	
			Kimiro Meguro	
13	16:30-16:40	26	Md Shakhawat Hossaini	A simplified numerical model to evaluate post-earthquake initial situation assessment tools and techniques
			Chaitanya Gadagamma Krishna	
			Muneyoshi Numada	
			Naoto Morimura Kimiro Meguro	
14	16:40-16:50	28	Wataru Takechi	Near-real time meteorological drought monitoring and early warning system for croplands in Asia
			Youngjoo Kwak	
			Jonggeol Park	

USMCA 2018: Day 2: 13 December 2018 Venue 1				Oral Presentations
No.	Time	Paper No	Authors	Title
Invited Lecture 5	09:00-09:30		Professor C.V.R.Murty	
1	09:30-09:40	37	Prasanna Kumar Behera Prvan Kumar Kativar K.Mondal Sudhir Misra	Nature of Corrosion Products in tensioned Reinforcing Bars
2	09:40-09:50	51	N S L Aparna K Sudhakar Reddy	Experimental investigation on healing characteristics of Microwave-heated bituminous concrete mixtures
3	09:50-10:00	80	M C YuvarKarthick M Ananthkumar S Barathi kumar	Study of Fresh and Hardened Properties of Concrete in Partial Replacement Using Fly Ash and Limestone Powder
4	10:00-10:10	46	Mohammed Younus Ahmed	A case Study of Extradosed Creek Bridges in Western Coast of India
5	10:10-10:20	50	A. Vimala R. Pradeep Kumar	Effect of Aspect Ratio on Collapse Mechanism of RC Structures: Comparing Damage Pattern using Static Pushover Analysis
6	10:20-10:30	63	Reiko Kuwano Naoto Kominami Masahide Ohtsubo Itsuki Sato	Field investigation on a sinkhole developed in loose volcanic soil
7	10:30-10:40	41	D. Meghanadh V. Maurya A. Tiwari A. B. Narayan R. Dwivedi T. R. Martha	A study of surface deformation in Pipalkoti, India
	10:40-11:30			Tea & Exhibition & Poster session
Invited Lecutre 7	11:30-12:00	2	Dr. Taketo Uomoto	Importance of maintenance to evaluate and maintain safety of civil Structures
8	12:00-12:10	38	Ashutosh Tiwari Avadh Bihari Narayan Devara Meghanad Ramji Dwivedi Onkar Dikshit	Analyzing wide area post seismic effects of the Gorkha earthquake using Persistent Scatterer Interferometry on Sentinel-1 images
9	12:10-12:20	76	Kazuhiro Nagaki Yuma Morisaki Makoto Fujiu Junichi Takayama	A study on the assessment of regional evacuation information using meteorology information in JAPAN
10	12:20-12:30	75	Shizuka Sano Junichi Takayama Makoto Fujiu Kiyoko Yanagihara Tatsuya Nishino Masahiko Sagae Kohei Hirako	Evaluation of regional health level during super-aging society
11	12:30-12:40	79	Takanori Kato Muetoshi Numada Kimiuro Meguro	Landslide disaster risk for the future population decrease in Japan
12	12:40-12:50	36	Krutika Kalkal Sudhir Misra Vinod Vasudevan	Understanding Fatalities in Urban Road Accidents: A Case Study
13	12:50-13:00	56	N. Kavva Lakshmi Kaushal Krishna M. Vani P. Ramachandra Prasad	Is a change in land surface temperature treated as an early warning sign to predict earthquakes?

USMCA 2018: Day 2: 13 December 2018 Venue 2

Oral Presentations

No.	Time	Paper No	Authors	Title
Invited Lecture 6				
	09:00-09:30		Professor Ravi Sinha	
1	09:30-09:40	60	BharathKrishnaA.C AnanthKumar.M PrakashChinnaiyan MalavikaSasi Vineeth.R	Dolomite rock sand as fine aggregate replacement for secondary construction activities : a comparative study
2	09:40-09:50	81	O. Murao M. Numayama	Reconstruction Projects Completion Speed and damage Conditions due to the Great East Japan Earthquake
3	9:50-10:00	34	Shoichi Uemura Hiroto Suzuki Hiroyuki Miyakosh Tetsu Nagasawa S. Aoi W. Suzuki S. Yamamoto	Earthquake Early Warning System for Shinkansen and its effectiveness
4	10:00-10:10	42	Yudai Honma Motoki Taiima	Evaluating the Robustness of Networks Regarding Spatial Relationships of Multiple Routes
5	10:10-10:20	43	Yuto Shiozaki Takaaki Kato	A Mathematical Model to Represent An Urban System's Regenerative Capacity for Coping with Natural Disasters
6	10:20-10:30	57	Nishith Maheshwari K. S. Rajan	A seamless framework for indoor-outdoor integration of building data for emergency evacuation
7	10:30-10:40	77	Kazuyuki Takada Kota Miyauchi	A study on the resident's consciousness of Tsunami evacuation behavior after building the Tsunami evacuation mound
	10:40-11:30	Tea & Exhibition & Poster session		
Invited Lecture 8				
	11:30-12:00	29	Ryoko Sera Reiko Kuwano Ryosuke Hirata Masahiko Harigaya Yoko Yamamoto Sachiko Yonemoto	Development of Cave-in Potential Map of FUJISAWA City
8	12:00-12:10	39	C.K. Gadagamma S.R. Menon Y. ARAI S. Sato I. Katagiri M. Numada	Development of Site And Scenario Specific Design Accelerograms
9	12:10-12:20	54	SVS Kasturi	Commuter and Road Safety on Hyderabad City Roads: Technology Trends
10	12:20-12:30	72	Yuki Matsuoka Makoto Fujiu Junichi Takavama Shinya Suda	Development of quick inspection system for damaged houses after the earthquake using infrared camera
11	12:30-12:40	74	Takahiro Minami Makoto Fujiu Junichi Takavama Tomotaka Fukuoka Shinya Sudas Shuya Okumura Kazuo Watanabe	Development of crack detection system for image visual inspection with AI using super high resolution camera
12	12:40-12:50	18	Mohammed.Arbaaz parvez K.Hariharanath N.K.Haranath Pinnamaraju Shaik Mahammad labeed	Rejuvenation of Amanishah Nallah- A Case Study
13	12:50-13:00	71	Yuma Morisaki Makoto Fujiu Junichi Takavama Kivoko Yanagihara Tatsuya Nishino Masahiko Sagae Kohei Hirako	A study on the assessment of damage level during large scale earthquake disaster using KDB database