

Program-at-a-glance

Time	March 25, 2020	March 26, 2020	March 27, 2020
8:00 - 9:00	Registration		
9:00 - 9:30	Inauguration at A-block Auditorium	Key note sessions at A-block Auditorium	Key note sessions at A-block Auditorium
9:30 - 10:00			
10:00 - 10:30		Tea Break	Tea Break
10:30 - 11:00	Tea Break	Parallel Sessions 4.1 to 4.5 (Five halls)	Parallel Sessions 7.1 to 7.5 (Five halls)
11:00 - 11:30	Key note sessions at A-block Auditorium		
11:30 - 12:00			
12:00 - 13:00	LUNCH		
13:00 - 13:30	Parallel Sessions 1.1 to 1.5 (Five halls)	Key note sessions at A-block Auditorium	Key note sessions at A-block Auditorium
13:30 - 14:00			
14:00 - 14:15		Tea Break	Tea Break
14:15 - 14:30	Tea Break	Parallel Sessions 5.1 to 5.5 (Five halls)	Parallel Sessions 8.1 to 8.5 (Five halls)
14:30 - 14:45			
14:45 - 15:00			
15:00 - 15:45	Industry pitch at A-block Auditorium	Tea Break	Tea Break
15:45 - 16:00			
16:00 - 16:15		Tea Break	Parallel Sessions 6.1 to 6.5 (Five halls)
16:15 - 16:30			
16:30 - 17:00			
17:00 - 17:30	Parallel Sessions 3.1 to 3.5 (Five halls)		
19:00 - 20:30	No program	Cultural Fest	No program
20:35 - 23:00		Conference Dinner (on 26 th March only)	

Five halls : A-block Auditorium and B-block Halls 1 to 4

Parallel Session 1.1 - Location: A-Block Auditorium			
Time	Abs. no	Title of the paper	Authors
13:00 - 13:15	IS	Pre-Engineered Buildings : The future	Mr. PV. Rao, PEBS Pennar
13:15 - 13:30	105	Component Based Finite Element Method for Gusset Plate Connection with Single-sided Splice Member	Martin Vild, Marta Kuřiková, František Wald and Jaromír Kabeláč
13:30 - 13:45	109	Axial Compression Capacity of CFS Built-up Columns with N-type Lacing: Influence of Lacing Slenderness	M.Adil Dar, Dipti Ranjan Sahoo and Arvind K.Jain
13:45 - 14:00	360	Stress Concentration Due to Shear Lag in Box Girder under Concentrated Load	Eiki Yamaguchi, and Naoto Kittaka
14:00 - 14:15	IS	Reserved for Industry Presentation	
14:15 - 14:30	IS	Reserved for Industry Presentation	

Parallel Session 1.2 - Location: B-Block Hall No 1			
Time	Abs. no	Title of the paper	Authors
13:00 - 13:15	251	Blast Response of Reinforced Concrete Slab Stiffened with Structural Steel	Jagriti Mandal, Manmohan Dass Goel, and Ajay Kumar Agarwal
13:15 - 13:30	104	Design and Analysis of Blast Resistant Structure	Arup Saha Chaudhuri and Damayanti Sarkar
13:30 - 13:45	242	A Study on Cold-formed Stainless Steel Hollow Stub Columns with Perforation	M Subalakshmi, M Anbarasu, and S Priyanka
13:45 - 14:00	288	Analysis and Design of Industrial Structure with Overhead Travelling Crane Using Pre-engineered Building Concept: A Case Study Comparing Indian and American Standards	Mehul Radhakrishnan, Santhi A.S and A.Kailasa Rao
14:00 - 14:15	113	Numerical Analysis on Load Carrying Capacity of Castellated Beam by Varying Web Opening	Keerthika.V and Daniel Thangaraj.D
14:15 - 14:30	102	Coupled Dynamic Analysis of Deep-water Semi-submersible with Spread Mooring System	S. Chandrasekaran and Syed Azeem Uddin

Parallel Session 1.3 - Location: B-Block Hall No 2**Day 1 - March 25, 2020
13:00 - 14:30**

Time	Abs. no	Title of the paper	Authors
13:00 - 13:15	247	Unbonded Brace: A Review	Prachi Mishra and Arvind Y. Vyavahare
13:15 - 13:30	139	Analysis of Knee-braced, X-braced Moment Frame for Ductility Based Seismic Design	Eshanya Tongper Nongsiej, Karthiga N, Shenbagam N Mohanraj A and Kartik Kapoor
13:30 - 13:45	188	Analytical Behaviour of Steel Hybrid Girder with Opening in Web	Giridhar N. Narule, Samadhan G. Morkhade, Sandhya R. Kumbhar
13:45 - 14:00	243	Finite Element Analysis of Beam Section for Lateral-torsional Buckling	Nikhil S. Agrawal, Aakash Sharma, P. B. Kulkarni, and P. D. Pachpor
14:00 - 14:15	327	Mitigation to Inconsistent Detailing of Connection	Titiksha Chatul, Samaresh Guchhait and Mangesh Amrut Sakpal
14:15 - 14:30	270	Behaviour of Cellular Steel Beams under Uniform Moment at Elevated Temperature	Vijaya K. Kotapati and Ashish P. Khatri

Parallel Session 1.4 - Location: B-Block Hall No 3**Day 1 - March 25, 2020
13:00 - 14:30**

Time	Abs. no	Title of the paper	Authors
13:00 - 13:15	279	Study on Short Steel Circular Hollow Sections Jacketed with Carbon Fibre Reinforced Polymers	A.Punitha Kumar, R.Senthil, and S.Srithath
13:15 - 13:30	150	Study of Steel FRP Composites for Sustainable Construction	S P Abhyankar, and U P Waghe
13:30 - 13:45	324	Finite Element Modelling of In-situ Composite Patch Repair of Cracked Aluminium Aircraft Structures	Samanvay Anand and Himanshu Pathak
13:45 - 14:00	292	Study of Glass FRP and Waste Glass Aggregates for Durable Sustainable Construction	S P Abhyankar and U P Waghe
14:00 - 14:15	149	Stress Analysis of Plates Subjected to Uniform and Non-uniform Uniaxial Tensile Loads	Danish Fayaz, S.N. Patel, and Rajesh Kumar
14:15 - 14:30	291	Behavior of Beam With Slender Flanges	Rajendra N. Khapre And Asim Aziz

Parallel Session 1.5 - Location: B-Block Hall No 4			
Time	Abs. no	Title of the paper	Authors
13:00 - 13:15	121	Synergy Between Crystalline Admixtures and Supplementary Cementitious Materials in Healing Capacity on the Corrosion Resistance of Concrete.	A.Ravitheja
13:15 - 13:30	122	Effect of LECA on Corrosion Resistance of Self-curing Concrete	CVK Chaitanya, D Neeraja, Priya Prasad, A Ravitheja
13:30 - 13:45	192	Seismic Analysis of Steel – Concrete Composite Structure	Uday Kumar N., Naveen B.O. and Mahanthesh K.M.
13:45 - 14:00	249	Experimental Investigation on the Buckling Behaviour of Concrete Encased Cold Formed Section	S.Sureshbabu, S.Senthil Selvan and P.Balaji
14:00 - 14:15	331	Flexural Behaviour of Composite Sandwich Beam by Using Shear Connectors: Analytical Study	Muthu Ganesh.K and S.Bhuvaneshwari
14:15 - 14:30	152	Computer Aid for Designing Circular Concrete Filled Double Skinned Tube (C-CFDST) Composite Column	Yashpal P. Gajjar and Arth J. Patel

Parallel Session 2.1 - Location: A-Block Auditorium			
Time	Abs. no	Title of the paper	Authors
14:45 - 15:00	367	Numerical Study of A Novel Self-lock Connection for Modular Tall Buildings	Huu-tai Thai
15:00 - 15:15	106	A Filled Weld Model for Component Based Finite Element Method	Marta Kuřiková, Martin Vild, František Wald, Petr Jehlička, and Jaromír Kabeláč
15:15 - 15:30	IS	CBMM – Industry Presentation	
15:30 - 15:45	IS	JSPL Industry Presentation	
15:45 - 16:00	IS	Getting Your Academic Book/Journal Paper Published	Taylor & Francis Group
16:00 - 16:15	IP-107	Restoration Works to Existing Heritage Conservation Building at Upper East Coast Road, Singapore	Jeslin Quek and Reshma Rajeev

Day 1 - March 25, 2020
16:30 - 17:30

Parallel Session 3.1- Location: A-Block Auditorium

Time	Abs. no	Title of the paper	Authors
16:30 - 16:45	248	Nonlinear Behaviour of Cold-formed Steel Battened Columns Composed of Four Lipped Angles	M.Anbarasu,and M.Adil Dar
16:45 - 17:00	144	Response of Steel Knee-braced Moment Frames Designed Using Ductility-based Seismic Design Approach with Different Ductility Conditions	Shaktiprasad C. Belaladavar
17:00 - 17:15	254	Spectral Based Fatigue Analysis of A Semi-submersible Platform	Sreejith.K, and T.M. Madhavan Pillai
17:15 - 17:30	238	A Numerical Study on The Nonlinear Behaviour of Built-up Cold-formed Steel Battened Columns	S. Priyanka and M. Anbarasu

Day 1 - March 25, 2020
16:30 - 17:30

Parallel Session 3.2 - Location: B-Block Hall No 1

Time	Abs. no	Title of the paper	Authors
16:30 - 16:45	136	Investigation on Cold-formed Steel Built-up Box Sections Composed of Equal Angles under Axial Compression	G.Beulah Gnana Ananthi, and M.S.Deepak
16:45 - 17:00	277	Influence of Web Depth on Shear Buckling Behavior of Trapezoidal Corrugated Web Steel Girders	P Prathebha, and H Jane Helena
17:00 - 17:15	246	Spirally Welded Steel Hollow Columns – A Numerical Study	Bharathi K.M, Vignesh B, and Jane Helena H
17:15 - 17:30	266	A Comparative Study on Axial Strength of Back-to-back Built-up Cold-formed Steel Equal and Unequal Angle Section Columns	Krishanu Roy, G. Beulah Gnana Ananthi and James B.P. Lim

Day 1 – March 25, 2020
16:30 – 17:30

Parallel Session 3.3 - Location: B-Block Hall No 2

Time	Abs. no	Title of the paper	Authors
16:30 - 16:45	253	PWHT Investigation Towards Crystal Growth Mechanism and Mechanical Property Characterization of AISI 202 & 304 Austenitic Steel	Chinmaya P. Padhy
16:45 - 17:00	118	Non-linear Analysis of Cylindrical Pressure Hull with Functionally Graded Materials	A. Shilpa Sajikumar, B. Krupa Mary Varghese
17:00 - 17:15	119	Analytical Study on the Behaviour of Non- Prismatic Steel Bridge Girders under Varying Tapering Angle	A. Sukalya K Sudarsanan and B. Krupa Mary Varghese
17:15 - 17:30	244	Buckling Behaviour of In-elastic Thin-webbed Castellated Beams	Cyril Thomas A, Aarthy E, and Baskar K

Day 1 – March 25, 2020
16:30 – 17:30

Parallel Session 3.4 - Location: B-Block Hall No 3

Time	Abs. no	Title of the paper	Authors
16:30 - 16:45	123	Turbo Generator Foundation Inside TG Building –An Unconventional Approach	Mainak Mallik, D S Anjaneya Murthy, and Eswarappa Sudeep
16:45 - 17:00	282	Performance of Self-centering Buckling-restrained Braced Frames under Near-field Earthquakes	Ahmad Fayeq Ghowsi, Dipti Ranjan Sahoo, Rajesh Kumar
17:00 - 17:15	372	Load Path Effects in Built-up Battened Steel Columns under Unidirectional Lateral Cyclic Loading	Sajal Sarkar, Seetal Chettri, and Upama Bomzon
17:15 - 17:30	151	Study on Reduction in Capacity of Hot Rolled I- Section due to Elevated Temperature	Rajendra N. Khapre, and Monika D. Dhaware

Parallel Session 3.5 - Location: B-Block Hall No 4			
Time	Abs. no	Title of the paper	Authors
16:30 - 16:45	342	Ecofriendly Concrete Using Wastewater Sludge	Dishi Agarwal, Shashank Tiwari and V. Sarath Babu
16:45 - 17:00	236	Experimental Investigations on Concrete Filled Steel Tubular Columns	Vardhan Garg and Sharadkumar Purohit
17:00 - 17:15	207	Behavior of Concrete Filled Steel Tube Columns Subjected to Uni-Axial Compression and Cyclic Loading – A Review	Shaik M. Imam Shah and Suneel M. Kumar
17:15 - 17:30	206	Novel Solution of Retrofitting of Existing and Historical Architecture Using Steel Composites	Rajmunni Hombal, Pooja K, Pratham P, and Vikranth S Kambli

Parallel Session 4.1- Location: A-Block Auditorium			
Time	Abs. no	Title of the paper	Authors
10:30 - 10:45	IS	Reserved for Industry Presentation	
10:45 - 11:00	IS	Reserved for Industry Presentation	
11:00 - 11:15	IS	Agrima Roof and Facade Systems - Industry Presentation	
11:15 - 11:30	117	Studies on Steel Beam-to-column Joints Subjected to Accelerated Corrosion and Cyclic Loads	Cinitha A, V.Sampath, and G.S Palani
11:30 - 11:45	370	Design of Built-up Members with Angles	Claudio Bernuzzi, Elisa Bertinotti, and Marco Simoncelli
11:45 - 12:00	368	Numerical Investigation of High-strength CFST Columns with Slender Sections	Trac Nguyen, Tuan Ngo and Huu-tai Thai

Parallel Session 4.2 - Location: B-Block Hall No 1			
Time	Abs. no	Title of the paper	Authors
10:30 - 10:45	223	Computation of Fundamental Time Period for Moment Resisting Framed Steel Buildings	P. K. Soni, S. K. Dubey, and P. Sangamnerkar
10:45 - 11:00	210	Buckling Analysis of Cold Formed Steel Channel Section Columns with Longitudinal Stiffeners	Chetan Kumawat and Raghavan Ramalingam
11:00 - 11:15	219	Numerical Study of Perforated Lean Duplex Stainless Steel Slender Semi-elliptical Hollow Section Members Subjected to Torsion	Sanasam V. Devi, and Konjengbam D. Singh
11:15 - 11:30	111	Finite Element Investigations on Structural Performance of Steel I-beams with Reinforced Web Openings	Samadhan G. Morkhade, Rutuja S. Lokhande, Umesh D. Gund , Ajinkya B. Divate, and Saurav S. Deosarkar
11:30 - 11:45	158	A Study on Design Thickness of Corner Gusset Plates in Steel Braced Frames for Tension	K. S. Vivek, U. K. L. Priyanka, and K. S. Sai Ram
11:45 - 12:00	268	Block Shear Failure in Different Connections – A Review	Jagdish R. Dhanuskara and Laxmikant M. Gupta

Parallel Session 4.3 - Location: B-Block Hall No 2			
Time	Abs. no	Title of the paper	Authors
10:30 - 10:45	239	State-of-the-art Review of Optimization of Steel Truss	Swabarna Roy A and Chinmay Kumar Kundu B
10:45 - 11:00	347	State of the Art Review on Cold-formed Steel Sections	Pavan Tikate and Ishwar Sonar
11:00 - 11:15	346	State-of-the-art Review for Laced Composite Channel Beam	Gunaselvi S, Roshini M and Leema Rose A
11:15 - 11:30	250	State-of-the-art Review for Concrete Encased Steel Columns	Suresh Babu S, Leema rose A and Priya T
11:30 - 11:45	194	State of The Art Review on The Behaviour of Concrete Filled Steel Tubular Columns	S. Sharon Rose, A. Leema Rose, D. Elango and G.R. Iyappan
11:45 - 12:00	157	Behaviour of Pumpable Recycled Aggregate Concrete	Vipindas N K and Rajeevan B

Parallel Session 4.4 - Location: B-Block Hall No 3**Day 2 - March 26, 2020
10:30-12:00**

Time	Abs. no	Title of the paper	Authors
10:30 - 10:45	171	Effect of Initial Imperfections on the Ultimate Axial Compressive Strength of Concrete Filled Steel Tubular Long Columns	Mashudha Sulthana, and Arul Jayachandran
10:45 - 11:00	169	Global Buckling Behaviour of Intermittently Fastened Cold-formed Steel Built-up Columns	Akshay Mangal Mahar, and S. Arul Jayachandran
11:00 - 11:15	168	Comparative Study of Conventional Steel Tank with Corrugated Steel Tank for Waste Water Application	Mohammed Younus Salman, Kiran Swarup Kasturi, Saraswathi Lakshmi Vinay N, and Mathan
11:15 - 11:30	354	Stability Analysis of Single Layer Steel Domes with Semi-rigid Joints	Pramod Kumar, and Raghavan Ramalingam
11:30 - 11:45	129	Web Crippling Behaviour of Aluminium Unlipped Sigma Sections Subjected to Two Flange Load Cases	S.Dhivyabharathi, R.Ramya
11:45 - 12:00	283	Comparative Study of Conventional Steel Truss Profiles	Jaireena, Vaneeta Devi, and Sunil Kumar

Parallel Session 4.5 - Location: B-Block Hall No 4**Day 2 - March 26, 2020
10:30-12:00**

Time	Abs. no	Title of the paper	Authors
10:30 - 10:45	227	Cold Formed Steel Frames Using Self Drilling Screw Connections	Jikhil Joseph, and S R Satish Kumar
10:45 - 11:00	228	Finite Element Modelling of Screw Connections in Cold Formed Steel.	Jikhil Joseph, and S R Satish Kumar
11:00 - 11:15	231	Numerical Validation on SRC-RC Transfer Columns Experiments	Abhishek Jain, Dipti R. Sahoo, and Arvind K. Jain
11:15 - 11:30	186	Concrete Filled Stainless Steel Tubular Columns Subjected to Fire - A Review	Anandapadmanaban Kasirajan, and Suneel M Kumar
11:30 - 11:45	112	Comparison of the Behaviour of Axially Loaded Slender Hollow Steel Tubes and Concrete Filled Steel Tubes	Rebecca Mary Paul, Madhu M. Karthik, and M. V. Anil Kumar
11:45 - 12:00	173	Comparative Study of Conventional and Modular Reverse Osmosis Structural Steel Skid System	Vinay N, Kiran Swarup Kasturi, Saraswathi Lakshmi, Mohammed Salman, and Mathan M

Parallel Session 5.1- Location: A-Block Auditorium			
Time	Abs. no	Title of the paper	Authors
14:15 - 14:30	319	Critical Buckling Moment of Cold-formed Lipped Channel Sections	Ravikant Singh, Avik Samanta, and Saurabh Suman
14:30 - 14:45	183	Effect of Bracings on Seismic Analysis of A Multi-Storeyed Building Resting on Sloping Ground	Allu Eswara Rao, and Maganti Janardhan Yadav
14:45 - 15:00	281	Behaviour of Thin-walled Intermediate Stiffened Back-to-back Double Channel Sections under Axial Compression	G. Beulah Gnana Ananthi, and M.S.Deepak
15:00 - 15:15	184	Experimental Study on Cold-formed Steel-concrete Composite Trusses	Thippeswami BL, Waghmare S, and Satish Kumar S R
15:15 - 15:30	333	Analysis of Bracing Pattern for Industrial Steel Structure	Stavan A. Sheth, Vinit P. Shah, Smeet M.Patel, Jagat J. Chaudhary, and Rahul I. Shah
15:30 - 15:45	334	Structural Analysis And Improvement of Geometry of Existing 132 KV Transmission Line Tower	Stavan A. Sheth, Vishrut K. Langalia, Kuldeep B. Barge, and Rahul I. Shah

Parallel Session 5.2 - Location: B-Block Hall No 1			
Time	Abs. no	Title of the paper	Authors
14:15 - 14:30	336	Assessment of the Residual Capacity of MR Steel Frames via Incremental Dynamic Analysis	Marco Simoncelli, Claudio Bernuzzi, Davide Rodigari
14:30 - 14:45	197	Shake Table Study of Dynamic Characteristics of A Typical Pallet Racking System	N. Raviswaran A, N.N. Unnikrishnan B, V. Nagendiran C, S. Pradeep Shankar D, C. Bharathi Priya E, and K. Sathish Kumar F
14:45 - 15:00	198	Behaviour of Cold Formed Steel Racking Structure – A Comparison of Analytical and Experimental Results	N. Raviswaran A, N. N. Unnikrishnan B, V. Nagendiran C, Suhail Musthafa D, C. Bharathi Priya E, and K. Sathish Kumar F
15:00 - 15:15	196	Parametric Study on Steel Beams with Circular Web Openings Having Reinforcing Stiffeners	Rujuta. A. Bhat, and Laxmikant. M. Gupta
15:15 - 15:30	345	Size Optimization of Steel Using Diaphragm Actions in Vertical Horizontal Plane	S.N.K. Vinod and S. Praveenkumar
15:30 - 15:45	297	Structural System Performance Upgradation of a Long Span Non redundant pedestrian Bridge	Sandip Maity, Sohini Som, and Biswajit Som

Day 2 – March 26, 2020
14:15– 15:45

Parallel Session 5.3 - Location: B-Block Hall No 2

Time	Abs. no	Title of the paper	Authors
14:15 - 14:30	267	Initial Stiffness of Extended End-plate Connections with Column Stiffeners	Channa Rajesh, and A. Y. Vyavahare
14:30 - 14:45	159	Ductile Fracture Initiation in Braces of Concentrically Braced Frames	Tamilselvan Nambirajan, Viresh Singh, and P. C. Ashwin Kumar
14:45 - 15:00	191	Analysis of Steel Columns in Fire with Varied End Restraints	Rakshith B. Devaraj, and Suneel M. Kumar
15:00 - 15:15	293	Structural Design and Analysis of Hyperboloid with Tower Assembly of Solar-thermal Plant	R. K. Verma, M. K. Agrawal, P. Halder, and J. Chattopadhyay
15:15 - 15:30	294	Structural Design and Analysis of Heliostat of Solar-thermal Plant	R. K. Verma, M. K. Agrawal, P. Halder, and J. Chattopadhyay
15:30 - 15:45	146	Seismic Analysis of 4 Legged Lattice Telecommunication Towers	Shankar H. Sanni, Shashikanth A. Kambali , and Kavyashree Dodamani

Day 2 – March 26, 2020
14:15– 15:45

Parallel Session 5.4 - Location: B-Block Hall No 3

Time	Abs. no	Title of the paper	Authors
14:15 - 14:30	145	Analytical Study of Effect of Size of Web Opening on Ultimate Load Carrying Capacity of Steel Beam With Trapezoidally Corrugated Web	Samadhan G. Morkhade, Swami M. Basawraj and Chittranjan B. Nayak
14:30 - 14:45	163	Collapse Analysis of Moment Resisting Steel Frame by Performing Incremental Dynamic Analysis Using Force Analogy Method	S.S. Ningthoukhongjam and K.D. Singh
14:45 - 15:00	226	Comparative Review of SP-6(1); Isi Handbook for Structural Engineers (Part-1) - Structural Steel Sections	P. K. Soni, S. K. Dubey And P. Sangamnerkar
15:00 - 15:15	263	Cold Formed Steel Moment Connections Using Howick Revit Connector	Krishanu Roy, Chris Mathieson, G. Charles Clifton, Boshan Chen, Rehan Masood, And James B.P. Lim
15:15 - 15:30	269	Time History Analysis of Steel Beam With Web Perforations	Rahul Ranjan A, Keshav K Sharma
15:30 - 15:45	271	Parametric Study on Cold Formed Sections	Chinmaya Kasliwal And Utsav Koshti

Parallel Session 5.5 - Location: B-Block Hall No 4			
Time	Abs. no	Title of the paper	Authors
14:15 - 14:30	126	Performance of New Steel-foam Concrete Composite (SFCC) Wall-to-wall Panel Joint	P. Prabha, M. Saravanan, and N. Lakshmanan
14:30 - 14:45	211	Concrete Filled Tubular Column: A Comparative Study of EC4 and AISC 360-10	Ankit Sachdeva, Arvind Vyavahare, and Gourav Sachdeva
14:45 - 15:00	308	Deflection Behaviour of CFRP Pre-stressed Concrete Beams under Static Loading at Elevated Temperatures	M. Sekar, and G. Kesavan
15:00 - 15:15	284	A Review of Strengthening of RC Beam Column Junction Using Fiber Reinforced Polymer Composites	Pramod Tiwari A, and Kranti Jain B
15:15 - 15:30	276	Influence of End Anchorage on the Behaviour of Normal / Light Weight Concrete Composite Slab	R. Banupriya, and S. Arul Mary
15:30 - 15:45	221	Structural Performance of Partially Confined Concrete-filled Steel Circular Tubular Columns under Cyclic Lateral Loading	Prasanta Kar, Arun C. Borsaikia, and Konjengbam D. Singh

Parallel Session 6.1- Location: A-Block Auditorium			
Time	Abs. no	Title of the paper	Authors
16:00 - 16:15	134	Performance-based Seismic Design of Pallet Racks	Satish Kumar S R and Rajesh Nagar
16:15 - 16:30	IS	NBM-CW Civil Engineering Marketing Magazine	
16:30 - 16:45	IS	AGRIMA ROOF AND FACADE SYSTEMS - Industry Presentation	
16:45 - 17:00	IS	Industry Session	
17:00 - 17:15	IS	Industry Session	
17:15 - 17:30	IS	Industry Session	

Parallel Session 6.2 - Location: B-Block Hall No 1			
Time	Abs. no	Title of the paper	Authors
16:00 - 16:15	339	Lessons Learned From Sudden Collapse of Mumbai C.S.T. Foot Over Bridge: An Overview	Sandip Maity, Gokul Mondal, and Biswajit Som
16:15 - 16:30	352	Assessment of Thermal Insulation Applied to Structural Steel	Guruprasad Y.K.
16:30 - 16:45	230	Damage Detection in Base Isolated Steel Structure Using Singular Spectral Analysis	Shivam Ojha, Lavish Gobind Pamwani and Amit Shelke
16:45 - 17:00	356	Flexural Behaviour of Cold Form Steel Tube Beam with Infilled Concrete of Different Grades	Girihar N. Narule, Suraj S. Chandgude, Dhiraj D. Ahiwale, and Rushikesh R. Khartode
17:00 - 17:15	165	Preliminary Stage OpenSees Simulation of the Collapse of Plasco Tower in Fire	Ramakanth Domada, Tejeswar Yarlagadda, Liming Jiang, and Asif Usmani
17:15 - 17:30	132	Dynamic Behaviour Base Isolated Howe Bridges-seismic Resistant	G.Sridevi A, Shivaraj A B, and Sudarshan G C

Parallel Session 6.3 - Location: B-Block Hall No 2			
Time	Abs. no	Title of the paper	Authors
16:00 - 16:15	180	An Experimental Investigation on Light Gauge Steel Hollow Circular Column in Filled with Nano Concrete	P. Vasanthi, and S. Senthil Selvan
16:15 - 16:30	300	Study on Exposed Column Base Plate Connections	Midhun C K and Arvind Vyavahare
16:30 - 16:45	127	Interaction of Buckling Modes in Lip Stiffened Plates under Uniform Compression	K C Kalam Aswathy, and Anil Kumar M V
16:45 - 17:00	280	An Investigation on the Effects of Rigid Joints on the Weight and Load Carrying Capacity of Steel Trusses	Okonkwo Victor Odinaka, and Onodagu Peter Dinwoke
17:00 - 17:15	143	Performance of Cold-formed Steel Channels with Edge-stiffened Web Openings under Compression	Boshan Chen, Krishanu Roy, Asraf Uzzaman, Gary M. Raftery, G. Charles Clifton, and James B.P. Lim
17:15 - 17:30	205	Buckling Restrained Braces: Alternative Lateral Resisting System for High-seismic Zone	Hemal Modi, and Murali Guruvappan

Parallel Session 6.4 - Location: B-Block Hall No 3**Day 2 - March 26, 2020
16:00- 17:30**

Time	Abs. no	Title of the paper	Authors
16:00 - 16:15	114	A Numerical Study on the Seismic Response of Circular CFST Column-beam Exterior Joint with Split Bolt Assembly	Sreeshma P.U. and Beena K.P.
16:15 - 16:30	176	Nonlinear Finite Element Analysis of GFRP Fabrics Strengthened RC Deep Beams Using ABAQUS	A. Kumari and A.N. Nayak
16:30 - 16:45	383	High Temperature Effects of High Performance and Normal Concrete: An Experimental and Numerical Study	D.Harinadha Reddy and Ananth Ramaswamy
16:45 - 17:00	235	Behaviour of Self Tapping Screws Under Shear	Senthilkumar R, Divya M and Prince George
17:00 - 17:15	234	A Study on Structural Behaviour of Hot-rolled Steel Compression Members Under Thermal Loading	Ajit Sahu, Senthil Kumar R
17:15 - 17:30	388	Experimental and Numerical Studies of S960 Ultra-high Strength Steel Press-braked Channel Sections	Fangying Wang, Ou Zhao and Ben Young

Parallel Session 6.5 - Location: B-Block Hall No 4**Day 2 - March 26, 2020
16:00- 17:30**

Time	Abs. no	Title of the paper	Authors
16:00 - 16:15	329	The Effect of Steel Fibres on Ductility of Reinforced Concrete Beams	Yuvraj Singh, Sushil Bhatia, and Harvinder Singh
16:15 - 16:30	147	Analysis and Design of Junction Tower	Shankar H. Sanni, Shashikanth A. Kambali, and Ambika Kathare
16:30 - 16:45	178	Finite Element Modeling of Double Plate Flat Composite Shear Wall under Lateral Load	Senthilkumar R, Karthikeyan M, and Sneha Liya George
16:45 - 17:00	381	Effect of Inplane Concentrated Load on Buckling Behaviour of FRP Composite Panels With Cutout	K S. Subash Chandra, K. Venkata Rao and T.Rajanna
17:00 - 17:15	337	Effect of the Imperfection on the Axial Loaded Rectangular CFST Column	Manigandan R, Manoj Kumar
17:15 - 17:30	376	An Experimental Study on the Corrosion Behaviour of Reinforced Concrete with Manufactured Sand Using Artificial Neural Network	B Vijaya A, and S Senthil Selvan B

Parallel Session 7.1- Location: A-Block Auditorium			
Time	Abs. no	Title of the paper	Authors
10:30 - 10:45	IS	Industry Session	
10:45 - 11:00	IS	Industry Session	
11:00 - 11:15	IS	Industry Session	
11:15 - 11:30	IS	Industry Session	
11:30 - 11:45	IS	Industry Session	
11:45 - 12:00	IS	Industry Session	

Parallel Session 7.2 - Location: B-Block Hall No 1			
Time	Abs. no	Title of the paper	Authors
10:30 - 10:45	142	Axial Capacity of Cold-formed Steel Built-up Box Section Columns	Krishanu Roy, Hieng Ho Lu, Boshan Chen, Tina Chui Huon Ting and James B.P Lim
10:45 - 11:00	261	Effect of Stress Gradient on Web Buckling Strength of Frp Box-beams	M Kasiviswanathan
11:00 - 11:15	306	Review on Steel Structures Strengthened With Frp Plates/Laminates	Priyabrata Guha, Subhashish Roychowdhury
11:15 - 11:30	274	Flexural Torsional Couplings in Thin Walled Beam Sections Having Variable Stiffness	Paulomi Mukherjee, Lokesh Kant Sao and Devesh Punera
11:30 - 11:45	257	Buckling Analysis for Strength And Modes of Laminated Composite Plates	Rajan L. Wankhade and Mahesh D. Gaikwad
11:45 - 12:00	365	Numerical Approach on The Effect of Carbon Fibre- Reinforced Polymer Composites Strengthening on Static And Fatigue Life Behaviour of Steel Beams	Dhanya Mary Alexander, Umamaheswari.N

Parallel Session 7.3 - Location: B-Block Hall No 2				
Day 3 - March 27, 2020 10:30-12:00	Time	Abs. no	Title of the paper	Authors
	10:30 - 10:45	167	Experimental Investigation on The Enhancement of Ductility in SRC Columns	Gautham A and Dipti Ranjan Sahoo
	10:45 - 11:00	181	Behavior of Steel-concrete Composite Beam Section for Various Parameters	Prashant B. Kamate and Ashish P. Khatri
	11:00 - 11:15	202	Challenges in Modeling the Longitudinal Shear Bond Mechanism of Composite Slab – A Numerical Approach	S Arul Mary, S Vignesh Raja, and R Banupriya
	11:15 - 11:30	214	Behaviour of Exposed And Embedded CFST Column to Foundation Connections	Jothimani B and Umarani C
	11:30 - 11:45	272	Seismic Performance of Semi-rigid Steel Frames Considering Soil-structure Interaction	Vishwajit Anand, and S. R. Satish Kumar
	11:45 - 12:00	189	Prequalifying Criteria for Hollow Structural Steel [HSS] Truss Connections	S. Arul Mary, and T. Rama Sindhia

Parallel Session 7.4 - Location: B-Block Hall No 3				
Day 3 - March 27, 2020 10:30-12:00	Time	Abs. no	Title of the paper	Authors
	10:30 - 10:45	371	Spectral Correlation Based Enhanced Breathing Crack Diagnosis of Steel Structures with Linear Response Subtraction Scheme	J Prawin
	10:45 - 11:00	IP-102	Seismic Performance of Cold Formed Steel Section And Rolled Steel Section By Moment Resistance Connection	Dhivya B Mohan, Jayarman, A Karthiga N Shenbagam N and Ganesh S Balaji
	11:00 - 11:15	161	Structural Behaviour of Cold-formed Steel Built-up Beams	Sivaganesh Selvaraj, Mahendrakumar Madhavan and V. Guru Prathap Reddy
	11:15 - 11:30	174	Performance Assessment of Steel Special Moment Resisting Frames Designed As Per Is 800:2007	Sonu Kumar Patel and P C Ashwin Kumar
	11:30 - 11:45	255	Analysis of Experimental Data on Cold Formed Steel Shear Wall Panels	Jammi Ashok, Sanjeevi. Arul Jayachandran
	11:45 - 12:00	IP-103	Structural Investigation of Cold Formed Steel Angle Sections Under Tension Loading Condition	A.Paulmakesh and S.Arivalagan

Parallel Session 7.5 - Location: B-Block Hall No 4**Day 3 - March 27, 2020
10:30-12:00**

Time	Abs. no	Title of the paper	Authors
10:30 - 10:45	393	Numerical Study On Steel Jacketing Retrofitting Scheme For Experimentally Damaged Reinforced Concrete Frames Subjected To Lateral Loads	Sanjay R. Kumawat, Goutam Mondal and Suresh R. Dash
10:45 - 11:00	394	Efficient Numerical Analysis of Hybrid Shear Wall With Internal Energy Dissipating Reinforcements	Ankiparna Guha, Prachi Taori, Dr. Suresh R Dash and Dr. Goutam Mondal
11:00 - 11:15	201	Semi-automated Multi-storey Car Park Design	J. Gokul Krishna, A. Balasubramaniam, and Bijivemula Sruthi Reddy
11:15 - 11:30	256	Enhancing Structural Properties of Wood and Its Composites by Mechanical Annealing	Mallikarjunachari G and Mohammad Asif Khan P
11:30 - 11:45	154	Numerical Study on Low Velocity Impact Behaviour of GFRP Laminates	Alen Austin and Priyadarsini R. S
11:45 - 12:00	299	Review on Strengthening of Reinforced Concrete Slab using Externally Bonded FRP Composites	Atanu Debnath and Subhashish Roychowdhury

Parallel Session 8.1- Location: A-Block Auditorium**Day 3 - March 27, 2020
14:15-15:45**

Time	Abs. no	Title of the paper	Authors
14:15 - 14:30	357	Static and Cyclic Behaviour of Beam Column Endplate Connection with Cellular Beam	Dondeti Manideep Reddy, Arunkumar.C, and Umamaheswari.N
14:30 - 14:45	338	Effect of Braking Load on Longitudinal Forces in Continuous Welded Rail considering the presence of Bridge	Ali Mubarack C K and Akhil Upadhyay
14:45 - 15:00	377	A Review of High Frequency Electric Resistance Welding (HF ERW) Technology for Engineered Structural Sections (ESS)	Nirav B Panchal and Ankit M Joshi
15:00 - 15:15	378	Experimental and Analytical Evaluation of Bearing Strength of Flatted End Tube and Behavior of Flattening Angle Tube	Pravin S Patil and Ishwar P Sonar
15:15 - 15:30	290	Comparative Study of Composite Cold-formed Steel Trussed and 'I' Beam	Arpit Kumar and Pradyumna Dashora
15:30 - 15:45	264	Self-drilling Screw Connections for High Strength Cold-formed Steel-an Experimental Study	Krishanu Roy, Hieng Ho Lau, Tina Chui Huon Ting, Boshan Chen, and James B.P.Lim

Parallel Session 8.2 - Location: B-Block Hall No 1**Day 3 - March 27, 2020
14:15- 15:45**

Time	Abs. no	Title of the paper	Authors
14:15 - 14:30	IP-101	A comparative study on lateral load analysis in ETABS (Extended Three-dimensional Analysis of Building Systems) Software version 2017 by BNBC (Bangladesh National Building Code)-1993 & 2017	Md. Imran Islam Rabbi, Afrin Lisa and Simoom Sadik
14:30 - 14:45	395	Development of An Effective and Efficient Baseline Free Damage Detection Scheme for Structural Health Monitoring	Devesh K Jaiswal, Dr. Suresh R Dash and Dr. Goutam Mondal
14:45 - 15:00	177	Effect of Response Modification Factor on Main Shock-after Shock (MS-AS) Seismic Response of Buckling Restrained Braced Frames (BRBFS)	Muhamed Safeer Pandikkadavath, Sujith Managalathu, Romanbabu M. Oinam, P. C. Ashwin Kumar, Dipti Ranjan Sahoo and N. M. Anoop Krishnan
15:00 - 15:15	175	Investigation on Non-linear Interaction Framework for Zee Shaped Cold-formed Steel Beam-column	J.Sevugan Rajkannu, Chinmai Goripathi and S Arul Jayachandran
15:15 - 15:30	384	Analysis of Steel Beams for Different Loadings Using MIF	Rakesh Patel, S.K. Dubey and K.K. Pathak
15:30 - 15:45	217	Numerical Investigation Into Buckling Behavior of Cold-formed Purlin	Ravi Dwivedi and A Y Vyavahare

Parallel Session 8.3 - Location: B-Block Hall No 2**Day 3 - March 27, 2020
14:15- 15:45**

Time	Abs. no	Title of the paper	Authors
14:15 - 14:30	200	Ultimate Shear Resistance of Non-rigid End Post Steel Plate Girders	Durgesh R. Hingnekar and Arvind Y. Vyavahare
14:30 - 14:45	311	Post-earthquake Fire Resistance of Concrete Filled Tubular Steel Columns	Smita Singh and Anil Agarwal
14:45 - 15:00	310	In-plane Flexural Behavior of Braced Frame Connections	Anmol Shanker Srivastava and Anil Agarwal
15:00 - 15:15	382	Experimental Investigation on Strength Properties of Concrete By The Partial Replacement of Cement By Use of Metakaolin And Glued Steel Fibres in Concrete	Pooja and Praveen kumar
15:15 - 15:30	321	Investigation of The Performance of Basalt Rebar's As Reinforcement in Concrete Members	Sangmesh V Biradar, Naveen Dundsi and Sidram S Injaganeri
15:30 - 15:45	386	Experimental Study on Mechanical Properties of Concrete Using Sugarcane Bagasse Ash With Addition of Hybrid Steel Fibres.	Praveen kumar and Pooja

Parallel Session 8.4 - Location: B-Block Hall No 3			
Time	Abs. no	Title of the paper	Authors
14:15 - 14:30	362	A Micromechanics-based constitutive model for polycrystalline Steel to optimize the mechanical properties	Madhu Kiran Karanam, Gulivindala Gopi, and Viswanath R Chinthapenta
14:30 - 14:45	318	Behaviour of Unrestrained Steel I-section Beams in Case of Fire	Saurabh Suman and Avik Samanta
14:45 - 15:00	153	Module Site Installation & Amp; anchorage – Case Study	Parthasarathi Burman, Sourav Biswa and Munish Dhawan
15:00 - 15:15	353	Engineering Solutions To Mitigate Logistics Changes on A Modular Project	Varun Dhiman, Mangesh Amrut Sakpal and Sandip R Gatkal
15:15 - 15:30	116	Analysis of Guyed Mast Using Gust Factor And Patch Load Method	Srinivas Tanuku, K. Rama Mohana Rao
15:30 - 15:45	120	Post-flexural Torsional Buckling Strength in Slender CFS Compression Members	Aayillia K J and Anil Kumar M V

Parallel Session 8.5 - Location: B-Block Hall No 4			
Time	Abs. no	Title of the paper	Authors
14:15 - 14:30	265	Effect of Circular Opening in Longitudinally Stiffened GFRP Composite Plates	T. Uday and S Anitha Priyadarshani
14:30 - 14:45	315	Seismic Analysis of Steel Frame for Two Different Cross Sections, Height, and Width of Column	Pradyumna Dashora
14:45 - 15:00	166	Behavioural Difference of Multistorey Building (G+9) with Variation in Soft Storey Position	Neeraj Singh and Keshav K Sharma
15:00 - 15:15	187	Evaluation of Response Spectrum for Models of Structures Against Blast Loading	Krishna Kumar Maurya, Anupam Rawat, Govinda Jha, and Nitesh A
15:15 - 15:30	259	Behaviour of Diagonally Stiffened GFRP Composite Plate with Opening	Nandu B and Anitha Priyadarshani S
15:30 - 15:45	224	Analytical Design Review of SP-38(S&T); Handbook for Typified Designs for Structures with Steel Roof Trusses	P. K. Soni, S. K. Dubey, and P. Sangamnerkar

Parallel Session 9.1- Location: A-Block Auditorium			
Time	Abs. no	Title of the paper	Authors
16:00 - 16:15	IS	Industry Session	
16:15 - 16:30	IS	Industry Session	
16:30 - 16:45	IS	Industry Session	
16:45 - 17:00	IS	Industry Session	
17:00 - 17:15	IS	Industry Session	
17:15 - 17:30	IS	Industry Session	

Parallel Session 9.2 - Location: B-Block Hall No 1			
Time	Abs. no	Title of the paper	Authors
16:00 - 16:15	125	Performance of Special Moment Frame Buildings with a New Replaceable Beam-column Connection	M. Saravanan, Rupen Goswami, and G. S. Palani
16:15 - 16:30	215	Steel Fabrication Challenges, Opportunities & Way Forward	Arvind Tagai
16:30 - 16:45	322	Buckling Strength of Steel Columns Subjected to High Temperature – Analytical Study	Deepthi Venkatesh, Suneel Kumar M, and N. N. Kishore
16:45 - 17:00	185	Extension of Variational Principles for Non- Conservative Greenhill's Shafts	Heera M Titus, and S Arul Jayachandran
17:00 - 17:15	130	Fragility Analysis of Steel Building Frame Considering Different Non-linear Material Modelling	Vikash Sundriyal, and Shashi Narayan
17:15 - 17:30	262	Lateral Torsional Buckling of Sinusoidally Corrugated Steel Webs	M Kasiviswanathan

Parallel Session 9.3 - Location: B-Block Hall No 2			
Time	Abs. no	Title of the paper	Authors
16:00 - 16:15	392	Advanced Composite Materials for Hull Construction on Warships	Abhinav Aravind and Bharath Murali
16:15 - 16:30	389	Sustainability by Reverse Joints in Steel Structures (Demountable Modular Shear Connection)	Shashidhar S Shilavantar, Savai Suthar, Chaitanya. B, Chiranth. A and R. Ravindra
16:30 - 16:45	390	Earthquake Resistant Composite Cold-formed Steel Beams With Diagonal Bars	J. Samuel *and P. S. Joanna
16:45 - 17:00	IS	Industry Session	
17:00 - 17:15	IS	Industry Session	
17:15 - 17:30	383	High Temperature Effects of High Performance and Normal Concrete: An Experimental and Numerical Study	D.Harinadha Reddy, Ananth Ramaswamy

Parallel Session 9.4 - Location: B-Block Hall No 3			
Time	Abs. no	Title of the paper	Authors
16:00 - 16:15	208	Seismic Behaviour Assessment of Semi-rigid Frame under Near-field Earthquakes	Vijay Sharma, Sourabh Vern, Mahendra K. Shrimali, Shiv D. Bharti, and Tushar K. Datta
16:15 - 16:30	209	Seismic Performance Assessment of Semi-rigid Frames for Different Performance Criteria	Vijay Sharma, Mohit Bhandari, Mahendra K. Shrimali, Shiv D. Bharti, and Tushar K. Datta
16:30 - 16:45	108	Effect of Power Pack Unit on Modular Trailer Spine Beam Deflection	Manish Arya, Pratik Chakraborty, and Munish Dhawan
16:45 - 17:00	148	Behavior of the Liquid Storage Tank under Coupled Effect of Bidirectional Excitations and Angle of Incidence of Earthquake	Sourabh Vern, Vijay R. Sharma, Mahendra K. Shrimali, Shiv D. Bharti, and Tushar K. Datta
17:00 - 17:15	252	Sloshing Effect of Water in an Elevated Water Tank on A G+2 Building	Ansuman Panda, Manish Mehta, Sammed Magdum, and P. N. Rao
17:15 - 17:30	164	Damping Characteristic Identification of A Three-storey Aluminium Frame Using Vibration Response Data	Akhila T S A and Saji K P B

Parallel Session 9.5 - Location: B-Block Hall No 4

**Day 3 - March 27, 2020
16:00 - 17:30**

Time	Abs. no	Title of the paper	Authors
16:00 - 16:15	348	Assessment of Efficiency of Steel X-bracings and Steel Plate Bonding Applied as a Retrofit Measure to Enhance the Seismic Resistance of R Structures	Mohammed Mazharuddin, and Guruprasad Y K
16:15 - 16:30	285	Free Vibration of Bio-inspired Composite Circular Plates–an Annular-ring Model	R. Kumar, Vaishali, S. Kushari, and T. Mukhopadhyay, and S. Dey
16:30 - 16:45	258	Different Insulation Technique for Fire Protection of Industrial Steel Structure	Sudipta Hui, Debarshi Sahoo, and Narayan C. Moharana
16:45 - 17:00	335	Mode Specific Damping Estimation - An Inverse Modelling Technique	Naveen Bharti, Yeturi Pramod Kumar Reddy, and Subhamoy Sen
17:00 - 17:15	314	Design of Simple Bolted Connections: A Comparative Study Between Euro Code, American Code and Indian Code	Saptadip Sarkar A and Papia Mandal B
17:15 - 17:30	374	A Review on Progressive Collapse with All-steel Buckling Restrained Braced Frames	Gopika Balagopal P C and Rajeevan B.