

**Wednesday, 27th December, 2017**

**PL – Plenary Speaker**

**SPL – Semi plenary Speaker**

**IS – Invited Speaker**

**Morning Sessions:**

**Session I 9 – 10:45 Plenary Session**

**Session Chair: Prof. R. C. Batra, Virginia Tech, USA.**

<b>Room: M 1.1</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
09:00-09:45	PL – 1	JN Reddy, Texas A&M University	Nonlocal Mechanics of Materials and Structures
09:45-10:15	PL – 2	Prof. Samit Roy, University of Alabama, USA	Length Scale Effects in Multifunctional Nanocomposites: Theory and Applications
10:15-10:45		Dr. R K Gupta Advanced Systems Laboratories , DRDO	Composites for Strategic Defence Applications

**10:45-11:30 – TEA Break**

**Session II, 11.30- 13:00hrs**

<b>Room: M 1.1 Session EM 1: Experimental Methods</b>			
<b>Session Chair: Prof. Nagesh R Iyer, IIT Dharwad.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
11:30-12:00	SPL - 1	Prof. B. Dattaguru, Indian Institute of Science, Bangalore	Prognostic Analysis of Certain Defects in Laminated Composites and Joints
12:00-12:15	413	Nithin Kaliyath Parambil	Multiscale damage development in FRPs: Experimental and numerical analysis
12:15-12:30	21	Manjunatha Babu N S	Evaluation of Mechanical Properties and Experimental Investigation on Thrust force – Torque during Drilling of Hybrid Carbon-Glass Fiber Fabric Laminates
12:30-12:45	370	V N B Prabakhar Gope	Mechanical behavior and corrosion initiated failure of AA5083-fly ash surface metal matrix composites
12:45-13:00	434	Bagale Nilesh Chhagan	Characterisation of carbon/epoxy laminates undergone porosity and hygrothermal conditioning

**Session III, 11.30- 13:00hrs**

<b>Room : M 1.2 Session CMM 1: Computational Methods and Mechanics</b>			
<b>Session Chair: Prof. KVL Subramaniam, IIT Hyderabad</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
11:30-12:00	SPL - 2	Prof. Tarun Kant, Indian Institute of Technology, Bombay	Macro-mechanics of Laminated Functionally Graded Composites
12:00-12:15	185	Pulkit kumar	Green's Function Approach to Study Love-type Wave Propagation in a Heterogeneous Structure due to a Point Source
12:15-12:30	77	N Nasir Hussain	Large Deformation in Composite Crash Box for Automobile under Impact Loading With Various Trigger Configurations
12:30-12:45	429	Sayantana Guha	Impact of irregularity on the propagation of SH wave in a slightly compressible composite structure
12:45-13:00	191	Kesava Rao Battena	Modelling of Delamination Growth in Composite Using High Dimensional Model Representation Based Cohesive Zone Model

**Session IV, 11.30- 13:00hrs**

<b>Room : M 1.3 Session PC 1: Particulate Composites</b>			
<b>Session Chair: Prof. C. S. Upadhyay, IIT Kanpur.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
11:30-12:00	SPL - 3	Prof. P. Nithiarasu, Swansea University, UK.	Integrating Cellular Ca <sup>2+</sup> dynamics into an arterial wall structural model
12:00-12:15	510	R.Rajkumar	Investigations on shear strength of concrete beams reinforced with GFRP rebar
12:15-12:30	139	Bompada Sai Venkata Sagar	Fabrication and Characterisation of Foam Coir Concrete
12:30-12:45	511	Satya Sai Trimurthy Naidu K	Studies on Blended Self-Compacting Concrete made with Copper slag as partial replacement of fine aggregate
12:45-13:00	455	Partheepan Ganesan	Development of Flyash based Composite Aggregate for the Use in Concrete

**Session V, 11.30- 13:00hrs**

<b>Room: M 1.4 Session AC 1: Applications of composites</b>			
<b>Session Chair: Prof. Andrey Nasedkin, SFU, Russia.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
11:30-12:00	SPL - 4	Prof. J S Rao	Composite Aircraft Wing for 70-Seater Aircraft from Topology Optimisation

12:00-12:15	490	Ratnakar R Ghorpade	Investigation on properties of Gutta Percha: A Biomaterial used in Dentistry
12:15-12:30	570	Asha Gokul	Application of Microwave NDE for Dielectric FRP Composites
12:30-12:45	573	Rajesh Kumar S	Zwitter polyimide precursor with gama amino silane and sized glass fabric composites for high thermal resistant applications
12:45-13:00	533	Srijayasuriya G	Review on Advanced Energy Materials Used in Renewable Energy

### Session VI, 11.30- 13:00hrs

<b>Room : M 1.5 Session CM 1: Composite Materials</b>			
<b>Session Chair: Prof. Arun Srinivasa, Texas A&amp;M University, USA.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
11:30-12:00	SPL - 5	Prof. R. C. Batra, Virginia Tech, USA.	Material Tailoring of Functionally Graded Materials/Structures
12:00-12:15	61	Sameer MD	Multi Response optimisation of process parameters in friction stir welding of AA6061 Aluminum Alloy using Taguchi based grey relational analysis
12:15-12:30	522	P Jeyaraj	Dynamic and Acoustic Response of Laminated Composite Tapered Beam with Ply Drop-offs
12:30-12:45	53	G Sunil Gavaskar	Variational Asymptotic Modeling of Fibre-Reinforced Composite Beams
12:45-13:00	86	Bazani Shaik	Empirical modeling & parametric analysis of Friction stir welding process of Aluminum alloys

### Session VII, 11.30- 13:00hrs

<b>Room : M 1.6 Session SAD 1: Structural Analysis and Design</b>			
<b>Session Chair: Prof. LIM, C.W, City Univ. of Hong Kong, China</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
11:30-12:00	SPL - 6	Prof. Arun Shukla, Univ. of Rhode Island, USA.	Dynamic Instabilities in Composite Underwater Structures
12:00-12:15	216	S K Spoorthi	Response Surface Method for Structural Analysis with Imprecise Uncertainties
12:15-12:30	404	Anjali Jha	Finite Element Analysis of Single Edge Notch with Slant Crack in Polymer Matrix Composite
12:30-12:45	36	Pratik Bhardwaj	Failure Analysis of Radioactive Container and Casing
12:45-13:00	257	Polagangu James	Estimation of Failure Load of Composite Bonded Joints by using 1D 2D FE Analysis and Mathematical Equation of Strain Energy in Adhesive Layer

**Session VIII, 11.30- 13:00hrs**

<b>Room: M 1.7 Session MSC 1: Multifunctional and Smart Composites</b>			
<b>Session Chair: Dr. R K Gupta, DRDO</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
11:30-12:00	SPL - 7	Prof. Ramulu Mamidala, University Of Washington, USA.	Machined Surface Integrity Effects on the Strength Properties, Damage Evolution and Fatigue Strength of Composite Laminates
12:00-12:15	314	Jayaram R Pothnis	Development and characterization of electric field directed preferentially aligned CNT nanocomposites
12:15-12:30	326	Amit Kumar	Cement – PZT composites for structural health monitoring
12:30-12:45	224	Soniya Chaudhary	Surface Wave Propagation in initially stressed Piezoelectric Substrate with Corrugated Surface
12:45-13:00	541	Sudipta Kishore Pradhan	Effect of Magnesium doped PZT on dielectric properties of PVDF –PMZT Composite

**Session IX, 11.30- 13:00hrs**

<b>Room: M 1.8 Session MP 1: Mechanical Properties</b>			
<b>Session Chair: Prof. B. Nageswara Rao, IIT Madras.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
11:30-12:00	SPL - 8	Prof. Ramesh Talreja, Texas A&M, USA..	Multiscale Mechanisms-based Modeling of Failure in Composite Materials
12:00-12:15	248	Poornima	Electrical and Mechanical Properties of Unidirectional ECR Glass Fiber Reinforced Epoxy Composites
12:15-12:30	270	Prashob P S	Determining orthotropic properties of carbon fiber reinforced polymer by tensile tests and matrix digestion
12:30-12:45	453	Prashant Rawat	Mechanical characterization of symmetrical and asymmetrical glass woven composite laminates
12:45-13:00	109	Renjith R	Evaluation of Mechanical Characteristics of Natural Fiber Composites

13:00-14:00 LUNCH Break

Afternoon Session

Session I, 14:00- 16:30hrs

<b>Room: M 1.1 Session PC 2: Particulate Composites</b>			
<b>Session Chair: Dr. Prashanth Saxena, IIT Hyderabad</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS - 1	Dr. Mokarram Hossain, Swansea University, UK	Thermo-mechanics of electro-active polymers
14:20-14:30	Sponsor's presentation by Bhamys		
14:30-14:45	297	Nilesh Jain	Dynamic Response of Multi Storey Geometrically Irregular Steel-Concrete Composite Structure
14:45-15:00	305	Pankaj Kumar	Fe Analysis of Interfacial Failure Mechanism In Steel-Concrete Composite Bonded Connections
15:00-15:15	39	Ketan Tank	Performance Based Nonlinear Seismic Analysis of Reinforced Concrete Structures
15:15-15:30	55	Tummala Srinivas	Accelerated Corrosion Induced Cracking Test On Reinforced Geopolymer Concrete
15:30-15:45	56	S Jeeva Chithambaram	Experimental Studies On Geopolymer Concrete at Ambient Temperature
15:45-16:00	517	Jagannadha Kumar M V	Studies on Flexural Behaviour of Blended Self-Curing Concrete Reinforced Beams
16:00-16:15	65	Harish N	Properties of concrete with partial replacement of fine aggregate by epoxy glass powder
16:15-16:30	240	Gurusideswar S	High Strain Rate Behavior of Micro-Steel Fiber Reinforced Concrete Under Tensile and Compressive Loading

Session II, 14:00- 16:20hrs

<b>Room: M 1.2 Session MP 2: Mechanical properties</b>			
<b>Session Chair: Dr. C Vishwanath Chinthapenta, IIT Hyderabad.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS - 2	Dr. C. M. Manjunatha, NAL, Bangalore	Polymer Nanocomposites: Fatigue Immune Structural Materials
14:20-14:35	157	Sridhar Atla	Synthesis and Evaluation Of Mechanical Properties Of Al 7075/Sic /Graphite Hybrid Metal Matrix Composites By Powder Metallurgy Route
14:35-14:50	15	Yugandhar Patil	Mechanical Properties of varying grades of Polytetrafluoroethylene for Engineering Applications
14:50-15:05	164	Rajesh Egala	Flexural Properties of Potassium permanganate Treated Unidirectional Ricinus Communis L (Castor oil) fibre Reinforced Epoxy LY556 Composites

15:05-15:20	167	Srinivas Mantravadi	Effect of Volume fraction of High Modulus Carbon Fabric on the mechanical properties of S-glass-Carbon-epoxy Hybrid Composites.
15:20-15:35	196	Muzamil Ahmed S	Evaluating the effect of solutionising and aging on mechanical properties of Al <sub>2</sub> O <sub>3</sub> /B <sub>4</sub> C/MWCNT's composite synthesized by vortex technique
15:35-15:50	241	Kondal Reddy	Influence of Reinforcement Size on Microstructure and Mechanical Properties of Al-SiC Functionally Graded Materials
15:50-16:05	564	Anu Anna Abraham	Influence Of Carbon Filler On Mechanical And Thermal Properties Of Pan Carbon Fabric-Phenolic Composite
16:05-16:20	140	Swapna Ramella	Enhanced Physical Properties of Composite ZEO thin films by Spray Pyrolysis

### Session III, 14:00- 16:20hrs

<b>Room: M 1.3 Session MP 3: Mechanical Properties</b>			
<b>Session Chair: Dr. Manoj Pandey, IIT Madras</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS - 3	Dr. Anna Nasedkina, SFU, Russia	Finite Element Homogenization of Bulk Mixture Thermoelastic Composites with Interface Effects
14:20-14:35	66	M Gautham Siddharth	Enhanced Mechanical Property of Nanoclay Reinforced Aluminium alloy Metal Matrix Composite
14:35-14:50	74	Rohit Raju Madke	Numerical scheme for the prediction of elastic properties of textile composite
14:50-15:05	114	Rashmi Singh	Estimation of Properties of Engineered Cementitious Composite
15:05-15:20	34	Aditya Shiv Kanth Vuppala	Material Modelling of Long Fiber Reinforced Thermoplastics for Automotive Crash Application
15:20-15:35	325	Koteswararao Jammula	Estimation of Structural and Mechanical Properties of Cadmium Sulfide/PVANanocomposite Films
15:35-15:50	138	Jyotirmoy Mukherjee	Experimental Investigation of Mechanical Properties on C70600 Surface Composite Fabricated by Friction Stir Processing
15:50-16:05	339	Nagesh Suryawanshi	Evaluation of Mechanical properties of HSC produced using natural pozzolana incorporated with Water soluble polymer
16:05-16:20	200	Rama Rao G	Influence of Organo-modified Montmorillonite nanoclay on Mechanical, Thermal properties of Carbon fiber/Phenolic Composites

### Session IV, 14:00- 16:20hrs

<b>Room: M 1.4 Session EM 2: Experimental Methods</b>
<b>Session Chair: Prof. Chongmin Song, UNSW, Australia.</b>

Time	Paper ID	Presenting Author	Title of Paper
14:00-14:20	IS - 4	Dr. Bill C. Nickerson, Office of Naval Research, USA	Composites Research Investments to Improve Affordability and Readiness of Naval Air Platforms
14:20-14:35	380	Debabrata Adhikari	Characterisation of permeability and compaction behaviour for different fiber layups during VARTM
14:35-14:50	62	Syed Tabin Rushad	Shear Strength of U-Wrapped RC Beam - Experimental Investigation
14:50-15:05	28	Rajesh Mathivanan	Damage Resistance Characteristics of Woven E- Glass/Epoxy Composite Laminates Subjected to Drop-Weight Impact
15:05-15:20	78	Sarthak Sambit Singh	Effect of post-cure temperature cycle on dynamic compression behaviour of glass filled epoxy composites
15:20-15:35	82	Rahima Shabeen S	Ultimate Strength of GFRP Angle Sections under Axial Load
15:35-15:50	50	Sindu B S	Fracture behaviour of Carbon Nanotube incorporated cementitious composite
15:50-16:05	58	Rajesh Chollangi	Experimental Investigation of Free Vibration Analysis on Magneto-Rheological Smart Sandwich Beam
16:05-16:20	60	Raghvendra Kumar Mishra	Analysis of the Glass Fiber/Chicken Feathers Reinforced Hybrid Composite

### Session V, 14:00- 16:20hrs

Room: M 1.5 Session CM 2: Composite Materials			
Session Chair: Prof. Inderdeep Singh, IIT Roorkee			
Time	Paper ID	Presenting Author	Title of Paper
14:00-14:20	IS - 5	Dr. Gopal Rai, R&M International	Life cycle assessment of Rehabilitated Structure for Decade with case study
14:20-14:35	358	Venkate Gowda C	Effect of End Delamination Size on the Natural Frequency of Twintex and Natural Fibre/Poly- Propylene Hybrid Composite Cantilever Beam
14:35-14:50	227	Dakshayini B. S	Nano Ceramic Reinforced Polymer Matrix Composites for Enhanced Thermo-Mechanical Stability
14:50-15:05	410	Balakrishnan B	Effect of MWNT Fillers on Vibroacoustic Characteristics of Polymer Nanocomposites and Aircraft Panels
15:05-15:20	129	Jasdeep Bhinder	Processing and characterization of functionalized carbon nanotube foams
15:20-15:35	54	Abhirami A J	Influence of Scaling on Fracture Toughness of Bio Inspired Nanocomposites
15:35-15:50	279	Alok Kumar	Stress/Strain Transfer in Carbon Fibre Reinforced Epoxy Model Composites using Micro-Raman Spectroscopy

15:50-16:05	527	Ashwiji Mayya	Role of porosity network in anisotropy of compressive strength of cortical bone using random spring network model
16:05-16:20	600	Prof. Versha Khare	Chemical templating in soft robotics: Ionic liquid driven self-assembly for biomedical applications

### Session VI, 14:00- 16:20hrs

<b>Room: M 2.1 Session SAD 2: Structural Analysis and Design</b>			
<b>Session Chair: Dr. Ramji M, IIT Hyderabad</b>			
Time	Paper ID	Presenting Author	Title of Paper
14:00-14:20	IS - 6	Prof. M. Ramachandra Bhat, IISc Bangalore	Non-Destructive Evaluation & Health Monitoring of Advanced Composite Structures: Some Challenges
14:20-14:35	335	Prabhanjan Kumar	Design optimization and failure analysis of bonded composite socket joints
14:35-14:50	436	Viman Singh Marwal	Design and Development of a Composite wheel for lunar rover
14:50-15:05	478	Vrujesh Hegde	Design & Analysis of LFT Composites Vehicle Load Body Floor
15:05-15:20	502	Yashaswini Lomte Patil	Three- Dimensional Elasticity Analysis of Orthotropic Circular Cylindrical Shell by Semi Analytical Approach
15:20-15:35	506	Aarav R Majmudar	CHAOS - An unpredictable behavior due to the structural vibration in high speed balanced rotor supported by cylindrical roller bearing
15:35-15:50	507	Patel Malaykumar Pradip	Vibration Signarture Analysis Of Unbalanced Rotor Supported by Cylindrical Roller Bearing
15:50-16:05	431	Shantharama Patil	Refined Theories of Laminated Composite Plates
16:05-16:20	232	S.K Dubey	An Approach for the Analysis of Deep Sandwich Beams

### Session VII, 14:00- 16:20hrs

<b>Room: M 2.2 Session CMM 2: Computational Methods and Mechanics</b>			
<b>Session Chair: Dr. R L Sreenivasa, BMSCE, Bangalore</b>			
Time	Paper ID	Presenting Author	Title of Paper
14:00-14:20	IS - 7	Dr. B. P. Gautham, TCS Research, Pune	Integrated Computational Materials Engineering (ICME) for composite structures and materials using PREMAP platform
14:20-14:35	207	Sushil Kumar	Effect of interfacial and elastic energy anisotropy on microstructural evolution: a phase-field study
14:35-14:50	209	Mithilesh Kumar Dewangan	Ballistic Behavior of Woven Composites Subjected to Low Velocity Impact: A Multiscale Modelling Approach
14:50-15:05	149	B Murali Krishna	Blast Response of Cementitious Sandwich Composite Panels



15:05-15:20	184	Suhasini N. Madhekar	Low Cost Base Isolators using Scrap Tyre Rubber Pads
15:20-15:35	251	MRITYUNJAY JAISWAL	A comparative analysis on zigzag structure with variation in inclination angle of column subject to lateral load
15:35-15:50	444	Babu Ranjan Thakur	Nonlinear Free Vibration of Laminated Composite Plate Using Inverse Hyperbolic Shear Deformation Theory
15:50-16:05	230	Sagadevan R	Analytical Studies On Flexural Capacity of Biaxial Hollow Slab
16:05-16:20	247	Feby Philip Abraham	Finite Element Implementation of a Constitutive Model for A Compressible Viscoelastic Solid In Abaqus

### Session VIII, 14:00- 16:20hrs

<b>Room: M 2.3 and M 2.4 Session SAD 3: Structural Analysis and Design</b>			
<b>Session Chair: Dr. Suriya Prakash, IIT Hyderabad.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS - 8	Dr. Nagaraja Iyyer, Telco Data Analytics USA	Three dimensional modeling of effects of fiber waviness, voids and interface properties on ultimate strength of composite laminates
14:20-14:35	170	Ali Mubarak C K	Numerical Modelling of TBI to Identify Potential Zones of Instability
14:35-14:50	387	Shashank Lahoti	Performance Evaluation of Brick Infilled Rcc Structures Using Nonlinear Strut Model for Infills
14:50-15:05	171	Suneel H V V Motru	Multiscale Studies of Initial Tensile Axial Stiffness of Single Layer Graphene Sheet
15:05-15:20	489	Jayabal K	A Simplified approach for Modelling of Constant Pitch and Variable Pitch Wave Springs
15:20-15:35	555	Pramodini Naik	Sustainable Material Modelling Approach for Open Ground Storey Rc Buildings Using Performance Based Design Concepts
15:35 – 15:50	488	Vamsi Krishna G	Buckling behaviour of an FRP strengthened thin cylindrical shell with end rings under axial compression
15:50-16:05	446	M. G. Ananda Kumar	Thermal Shock Resistance Behaviour of Microwave Sintered PM based Aluminium Cenospheres Syntactic Foams
16:05-16:20	41	Digvijay Gajanan Bhosale	Cost Reduction of Case Hardened Steel Helical Gear Pair through Dimensional Optimization Using Finite Element Analysis

**Thursday, 28th December, 2017**

**Morning Sessions:**

**Session I 08:45- 10:00 - Plenary session**

**Session Chair: Ramesh Talreja, Texas A&M University, USA.**

<b>Room: M 1.1</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
08:45-9:15	PL-3	Prof. Somnath Ghosh, John Hopkins University, USA	Parametrically Homogenized Damage Models from Micromechanical Analyses of Statistically Equivalent RVE's
09:15-9:45	PL-4	Prof. Tay Tong-Earn, National University of Singapore, Singapore	From Low-Velocity Impact Damage to Compression After Impact of Composites: High Fidelity Modeling and Prediction with Progressive Failure Analysis
09:45-10:00	Sponsor's presentation by NAL		

**10:00-10:30 – TEA Break**

**Session II, 10:30 -13:00 hrs.**

<b>Room: M 1.1 Session SAD 4: Structural Analysis and Design</b>			
<b>Session Chair: Prof. J S Rao, Altair Engineering, Bangalore.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL-9	Prof Gopalakrishnan, IISc Bangalore	Wave Motion in Suture Waveguides
11:00-11:15	108	Markandeya Raju Ponnada	Optimum parameters for Plate girder using Generalized Reduced Gradient method
11:15-11:30	349	David Kumar	Dynamic Studies of Flexible Sandwich Beams with Hyperviscoelastic Core using Digital Image Correlation
11:30-11:45	400	B Subbaratnam	Dynamic Stability Behaviour of Cantilever Beam resting on Pasternak Foundation subjected to Periodic Loads
11:45-12:00	118	R Rajan	Development and Analysis of Friction Characteristics of Newly Developed Organic Brake Pad Composite
12:00-12:15	308	SHRANISH KAR	Three-Dimensional elasticity solution for a simply supported cylindrical composite shell panel using the Extended Kantorovich Method
12:15-12:30	272	Praveen Kumar Pinnoji	Flutter studies on Composite and FGM Panels in Supersonic Flow
12:30-12:45	442	Amitabha Datta	Impact Location Detection on a Composite Test Box using Signal Correlation Method
12:45-13:00	162	Amit Shaw	Numerical Modelling of Arbitrary Propagating Crack in Three Dimensional Solid Continuum Under Dynamic Loading

**Session III, 10:30 -13:00 hrs.**

<b>Room: M 1.2 Session MP 4: Mechanical Properties</b>			
<b>Session Chair: Prof. K V L Subramaniam, IIT Hyderabad.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL-10	Prof. C S Upadhyay, IIT Kanpur	Micro-mechanics to macro-behavior: Issues in modeling of polymer matrix composites
11:00-11:15	390	Abhijeet Shivaji Suryawanshi	Correlation of Filler Content and Tribological Properties of Resin- Composite Dental Material in Dry and Wet Conditions
11:15-11:30	395	shaik karimulla	Wear characteristics and mechanical properties of AZ91 magnesium alloy surface hybrid composite of (sic+Al <sub>2</sub> O <sub>3</sub> ) fabricated by Friction stir process
11:30-11:45	425	N Krishnarajuna Rao	Study of Mechanical Properties of Reinforced Pineapple – Glass Fibers Epoxy Hybrid Composites
11:45-12:00	443	Veeresh Nayak C	Examination for high temperature wear and oxidation proprieties of nickel based metal matrix composite fabricated by metal injection moulding.
12:00-12:15	332	Yagnik Kalariya	Effects of curing process on properties of composites
12:15-12:30	72	Jayaraman S	Finite Element Vibration Analyses of Printed Circuit Boards and Experimental Evaluation of Board Strains
12:30-12:45	566	Padma B	Enhancing Mechanical Properties of S2 Glass Fabric and Polyimide Composite with Epoxy Resin
12:45-13:00	156	Kundan Bharti	Stress and Failure Analysis of laminated FRP composite made Dragline Cluster joints

**Session IV, 10:30 -13:05 hrs.**

<b>Room: M 1.3 Session SAD 5: Structural Analysis and Design</b>			
<b>Session Chair: Prof. P. Nithiarasu, Swansea University, UK.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL-11	Prof. M S Siva Kumar, IIT Madras	Towards a general approach to large deflection of beams spanning multiple length scales, materials and conditions.
11:00-11:20	Sponsor's presentation by Altair		
11:20-11:35	176	Dhanunjaya Raju Dhulipala	Static and Dynamic Analysis of CNT Reinforced Laminated Hybrid Composite Plates using FSDT
11:35-11:50	239	Prashant Kumar Choudhary	Location optimization of circular cutout within a simply supported orthotropic rectangular plate for maximum buckling load
11:50-12:05	340	Mayur Agrawal	Estimation of fragility curves using IDA analysis
12:05-12:20	160	Ankush Kumar	Seismic Performance of steel frame designed using Energy Method
12:20-12:35	406	Alok Pradhan	Seismic and Wind Response of a Tied Steel Arch Bridge

12:35-12:50	449	Priyanka Dhurvey	Buckling analysis of composite laminated skew plate of variable thickness under in-plane positive shear
12:50-13:05	581	Angel Rawat	Nonlocal Gradient Damage Model for Quasi Brittle Materials

### Session V, 10:30 -13:00 hrs.

<b>Room: M 1.4 Session AC 2: Applications of composites</b>			
<b>Session Chair: Dr Surendra Nadh, IIT Hyderabad</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL-12	Prof. Santosh Kapuria, SERC Chennai, IIT Delhi.	Free Edge Stress Field in Elastic and Smart Piezoelectric Composite Laminates: Bonding Imperfection Effects and Control
11:00-11:15	7	Sandeep Gowda	Processing & Characterization of Multiwalled carbon nanotubes and titanium carbide reinforced Al7475 composites for Aerospace Applications.
11:15-11:30	46	Hemaraju Pollayi	Asymptotical Modeling of Fibre-Reinforced Composite Sandwich Structures for Railway Sleepers
11:30-11:45	205	Jithu Paulose	Review on the Biomedical and Engineering applications of the Composite Materials
11:45-12:00	378	Jinesh Karnavat.P	Influence of Fiber Orientation on the Effective Layering Arrangement of Glass/Carbon Hybrid Composite Laminates for Structural Applications
12:00-12:15	565	Ch. Joseph S Raju	CHARACTERIZATION OF STRUCTURAL AND ABLATIVE COMPOSITES FOR AEROSPACE APPLICATION
12:15-12:30	229	Surjeet Kumar Sinha	Qualification and acceptance of large sized composite rocket motor casing
12:30-12:45	531	Yemjal Pravinkumar Sudhakar	Experimental Investigation and System Identification of Double Flexural Manipulator Using Composite Material
12:45-13:00	580	Prabhakar Raju Mantena	High Strain-Rate Evaluation of Pultruded Hybrid Composites Under Three Different Load Conditions with Shpb and Dic Techniques

### Session VI, 10:30 -13:00 hrs.

<b>Room: M 1.5 Session CM 3: Composite Materials</b>			
<b>Session Chair: Dr. Rahima Shabeen, Anna University, Chennai</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL-13	Prof. Pedro Camanho, Universidade do Porto, Portugal.	Development of non-conventional polymer composite materials

11:00-11:15	37	Manjunatha G	Effect of Sonicated Graphene interface in the Bi-Woven Fabric Glass Fiber Reinforced Polymer Composites
11:15-11:30	84	Manish Patel	Micro-structural evolutions during diffusion bonding of C-SiC/C-SiC composite using Ti as interlayer
11:30-11:45	14	Naresh Reddy Kolanu	Progressive damage modeling of blade-stiffened CFRP panel under axial compression
11:45-12:00	81	K Varaprasad	A study on the failure mechanisms of CFRP laminates under bending using acoustic emission
12:00-12:15	416	Abhilash Nagaraja	Effect of interphase on the longitudinal tensile behaviour of ceramic matrix minicomposites
12:15-12:30	366	Prashant motwani	Finite Element Studies on Transfer Length of Fibre Reinforced Polymer Tendons in Pretensioned Members
12:30-12:45	521	M L Jayavardhan	Flexural response of compression molded glass microballoon/HDPE syntactic foam composite
12:45-13:00	204	Ajinkya Sirsat	A Study of the Effect of Volume Fraction on Stress Transfer Within a Unidirectional Fiber Reinforced Composite Having a Broken Fiber

### Session VII, 10:30 -13:00 hrs.

<b>Room: M 2.1 Session CM 4: Composite Materials</b>			
<b>Session Chair: Prof. Liqun Tang, South China Univ. of Tech, China</b>			
<b>Time</b>	<b>Paper I.D</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL-14	Prof. Andrey Nasedkin, Southern Federal University, Russia	About different models of porous piezoelectric composites with metallized pore surfaces
11:00-11:15	124	Anand Gaurav	Fatigue Damage Assessment of Neat and PCNT doped GFRP Laminate by Thermographic Technique
11:15-11:30	23	Dhanya T. M.	Lightning strike response of carbon fiber reinforced polymer composite
11:30-11:45	559	Chethan Kumar S	Reliability And Grey Relational Analysis of Concrete Filled Steel Tubes Using Taguchi's Approach
11:45-12:00	470	Neelima Bhengra	SH-wave propagation in magnetoelastic self-reinforced composite structure: Green's function technique
12:00-12:15	568	Subramanya Sastry S S	Parametric studies of the Variables representing the Bearing Failure Boundary in a Composite Bolted Joint
12:15-12:30	459	Dinesh Kumar PK	Tribological Behavior of Nanowire Al <sub>2</sub> O <sub>3</sub> Reinforced PEEK-PTFE Hybrid Composite for Structural Element Applications
12:30-12:45	461	Hamza Naseem	Thermal Ageing of Composite Solid Propellants

12:45-13:00	133	PREETHA V	Interfacial bond strength characteristics on composite slab
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### Session VIII, 10:30 -13:00 hrs

<b>Room: M 2.2 Session CMM 3: Computational Methods and Mechanics</b>			
<b>Session Chair: Dr. Mokarram Hossain, Swansea University, UK.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting author</b>	<b>Title of Paper</b>
10:30-11:00	SPL-15	Prof. Chongmin Song, University of New South Wales, Australia	Towards Fully Automatic Integration of Geometric Models in Computational Stress Analysis Using Scaled Boundary Finite Elements
11:00-11:15	179	Shuvendu Narayan Patel	Nonlinear dynamic response of laminated composite stiffened plates
11:15-11:30	24	Ajaz Ahmed A Rauf Deliwala	Finite element modelling of solid particle erosive wear on carbon fibre-epoxy composites
11:30-11:45	26	Chandra Sekher Yerramalli	3D Finite Element Modelling of Compressive Load Response in Hybrid Composites
11:45-12:00	199	Priyank Prasad	Polygonal Finite Elements for Thick Laminated Composite Shell
12:00-12:15	202	Vishal Deore	Photographic Assessment of Damage in Impact loading for Plate and Slab Target
12:15-12:30	328	Shashank Vadlamani	B-spline wavelet finite element method for static analysis of 1D problem with material nonhomogeneity
12:30-12:45	6	Dr. Prashant Saxena	Analysis of Instabilities in Magnetoelastic Solids
12:45-13:00	487	Sonali Bhowmik	Shake-down Behavior of Reinforced Concrete Members under Fatigue

### Session IX, 10:30 -13:00 hrs

<b>Room: M 2.3 &amp; 2.4 Session CMM 4: Computational Methods and Mechanics</b>			
<b>Session Chair: Prof. Arun Shukla, University of Rhode Island, USA.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL-16	Prof. Arun Srinivasa, Texas A&M University, USA.	On the Simulation of Tearing and Fracture of brittle materials using a Novel Graph Based FEA approach.
11:00-11:15	275	Tony Kanjirath John	Composite Laminate Design with Strength & Fatigue Life Optimization using Elite-Scout Genetic Algorithm (ESGA)
11:15-11:30	246	Venkata Deepthi Thota	Elastic-Plastic Analysis of Plate with Hole Subjected to Proportional Loading using Deformation Plasticity theory
11:30-11:45	336	Subhag Sen	EFFICIENT RESPONSE SURFACE METHOD IN ANALYSIS OF LAMINATED COMPOSITE SHELL FOR RELIABILITY AND SENSITIVITY
11:45-12:00	452	Devesh Punera	Free vibration of laminated and FG Sandwich Panels using Higher Order Shear and Normal Deformation Theory

12:00-12:15	304	Maharshi Kintada	Progressive Failure Analysis of Laminated Composite with Hole under Flexural Loading
12:15-12:30	363	Pankaj Vashishtha	Review of Modelling Strategies for Polymer matrix CNT Nanocomposite
12:30-12:45	471	Murali Palla	Phase Field Modelling of Crack Propagation in Bio-inspired Composites
12:45-13:00	549	K Sriharsha Reddy	Improved Softened Truss Model for Reinforced Concrete under Combined Actions Including Torsion

**13:00-14:00 – LUNCH Break**

**Afternoon Sessions**

**Session I 14:00- 16:35 hrs**

<b>Room: M 1.1 Session PC 3: Particulate Composites</b>			
<b>Session Chair: Prof. Pedro P Camanho, Universidade do Porto, Portugal.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS-9	Dr. D. Roy Mahapatra, IISC Bangalore	Multiscale Modelling of Alloy Microstructure
14:20-14:35	80	KUSHAL GHOSH	Engineering Properties and Microstructural Aspects of Water Cured Fly Ash- Slag Based Blended Geopolymer Composites
14:35-14:50	83	Amulya R	Experimental study on strength of concrete with GBFS and RCA
14:50-15:05	95	Annapurna Dattamgar	PERFORMANCE OF GEO POLYMER CONCRETE IN CHEMICAL ENVIRONMENT
15:05-15:20	110	K Santosh Kumar	Development of Eco-Friendly Alkali-Activated Geopolymer Mortar
15:20-15:35	161	N VENKAT RAO	An experimental study on strength and durability of glass fiber reinforced concrete on OPC grade-43 and grade-53
15:35-15:50	151	Rajeshwari Ramachandra	Compressive strength prediction of fly ash concrete using ANN
15:50-16:05	175	Sudesna Baliarsingha	seismic response of mass eccentric RC framed building
16.05-16:20	68	Srikanth Koniki	Enhancement of Crack Control System of High-Strength Concrete by using Low volume Metallic - Non-metallic Hybrid Fiber reinforced cement composite
16:20-16:35	351	Patel Bhakti Narayanbhai	Contact analysis in three-point bending of an elastic micro-beam undergoing large deflection

**Session II 14:00- 16:35 hrs**

<b>Room: M 1.2 - Session CM 5: Composite Materials</b>			
<b>Session Chair: Prof. Sami EL-BORGI Texas A&amp;M University, Qatar</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>

14:00-14:20	IS-10	Prof.P. Venkitanarayanan, IIT Kanpur	In-plane Tensile Response of Fiber Metal Laminates at Quasi Static and High Strain Rates
14:20-14:35	538	MURUGESAN R	Effect of ball milling time on particle size and distribution of CNTs in Al metal matrix composites
14:35-14:50	16	Sreeja Rajappan	Epoxy-Basalt fibre composite for passive sound Absorption
14:50-15:05	384	Vivek Kumar Patel	Synthesis and characterization of Pd supported over "CeO <sub>2</sub> -ZrO <sub>2</sub> " support – Study of dispersion behaviour of metal
15:05-15:20	528	Deepak Kumar	Quasi-brittle behaviour of heterogeneous honeycomb cellular solid
15:20-15:35	169	Sachin S	Enhancement of Ablation resistance of carbon/ carbon composite used in spacecraft structures- A review
15:35-15:50	405	VISHNU V E	Effect of process parameters on the Micro Electric Discharge Machining characteristics of A336/ (0-15) Wt. % SiC composites
15:50-16:05	456	Priyadarshi Mohapatra	Effect of Sliding Speed on the Tribological Behaviour of Grp/SiCp/Al - Cu Hybrid composites Under Dry Sliding Condition
16:05-16:20	463	Younus Pasha	Impact and tensile characterization of polycarbonate/Graphene/Boron carbide hybrid polymer composite
16:20-16:35	92	Pavani Udatha	The effect of CNT to enhance the dynamic properties of Hybrid composite tube shafts

### Session III 14:00- 16:20 hrs

<b>Room: M 1.3 - Session PC 4: Particulate Composites</b>			
<b>Session Chair: Prof. K V L Subramaniam, IIT Hyderabad</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS-11	Dr. Anupam Chakrabarthi, IIT Roorkee	Finite Element Analysis of laminated composite and sandwich structures using refined shear deformation theories
14:20 – 14:40	Sponsor's presentation by BSCPL		
14:40-14:55	525	BHUSHAN SHINDE	Shear Strength of Fly ash based Geopolymer concrete with River Sand and Sea Sand
14:55-15:10	465	Srinivas Angadi	Experimental Studies on behavior of Concrete Filled Steel Tubular Short Columns (CFTSC)
15:10-15:25	544	Senthil kumar Govindan	Experimental investigation on CFS profiled deck sheet connected with Hot rolled plate composite panels filled by Concrete
15:25-15:40	587	Roopa kolan	Compressive Failure of Concrete Cylinders Wrapped with Fiber Reinforced Polymer.
15:40-15:55	583	A Ravi Theja	Self-healing ability of High strength fiber reinforced concrete with Crystalline



15:55-16:10	585	Rajani Kant Rao	Detecting Flaws in Concrete Embedded Chemical Anchors by using a Wave Propagation Technique
16:10-16:25	458	Chethana P Rao	Effect of Aluminium Flakes and Polyamide on Mechanical Properties of Epoxy
16:25-16:40	462	S Jayachandran	Thermo-Mechanical Study for Hybrid Multilayer Sandwich Composites

#### Session IV 14:00- 16:40 hrs

<b>Room: M 1.4 - Session EM 3: Experimental Methods</b>			
<b>Session Chair: Prof. M. S. Sivakumar, IIT Madras.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS-12	Dr. Vijay Rangari, Tuskegee University, USA	Biosourced nanoparticles for biodegradable polymer filler applications
14:20-14:40	Sponsor's Presentation by Ramakrishna Hebbar , General Manager, BISS		
14:40-14:55	158	P Parushuram	Damage Tolerance of Woollen Fiber Composites
14:55-15:10	165	Venkataramana K	Material characterization of pin-core latex polymer foam under static and dynamic loads
15:10-15:25	172	AMRIT MALLICK	Wear of Functionalized Multiwall carbon nanotubes decorated Polymethyl methacrylate nanocomposites
15:25-15:40	188	Abhishek Pandey	Effect of Self-Healing by Dicyclopetadiene Microcapsules on Fatigue Life of Epoxy
15:40-15:55	550	Sukhendu Sekhar Manna	Development of a continuous sensing technique for Shape Memory Alloy wire based integrated structural systems
15:55-16:10	423	MOHIT KUMAR	Preparation and Characterization of Zinc Oxide Nanocomposite Material
16:10-16:25	424	D Karuppannan	Destructive and Non-Destructive Analysis of Adhesively Bonded Composite 'T' Joints
16:25-16:40	542	Mane Laxmikant Sarjerao	Adhesive bond strength and source location of active defect in single lap shear joint of CFRP-Epoxy- Al

#### Session V 14:00- 16:35 hrs

<b>Room: M 1.5 - Multifunctional and Smart Composites – MSC 2</b>			
<b>Session Chair: Dr. Sushma Santapuri, IIT Delhi.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS-13	Dr. Samikkannu Raja, NAL Bangalore	Development of Multifunctional Composites with Nano Inclusions for Aerospace Structural and Biomedical Applications
14:20-14:35	352	Bablu Kumar Pandey	0.5(Ba0.7Ca0.3) TiO3-0.5Ba(Zr0.2Ti0.8)O3-PVDF nanocomposites: Their fabrication and characterization

14:35-14:50	344	Sonali Mondal	Propagation of SH waves in a FGPM layer lying over a piezomagnetic half-space having corrugated interface
14:50-15:05	469	Soumya Ranjan Sahoo	Active Control of Geometrically Nonlinear Vibrations of Laminated Composite Beams using Piezoelectric Composites by Element Free Galerkin Method
15:05-15:20	379	Patare Swapnil Abasaheb	Deflection Control of Hybrid Piezoelectric Functionally Graded Plate
15:20-15:35	389	Abhijeet S. Suryawanshi.	Vibration Energy Harvesting from Wind Turbine and Diesel Generator
15:35-15:50	477	Anupaju Rajeev	Energy Absorption of the Smart Hybrid Honeycomb Structure Embedded with Phononic Crystals
15:50-16:05	430	Luv Verma	Energy Dissipation Studies of Shape Memory Alloy Reinforced Composites Under Multiple Quasi Static Indentation Loading
16:05-16:20	441	Shruti Mahato	Influence of imperfectly bonded piezoelectric layer with irregularity on propagation of Love-type wave in a reinforced composite structure
16:20-16:35	435	Walid Larbi	Experimental and numerical analysis of the vibroacoustic behavior of a laminated plate with frequency dependent viscoelastic core

### Session VI 14:00- 16:25 hrs

<b>Room: M 1.6 - Computational Methods and Mechanics - CMM 5</b>			
<b>Session Chair: Dr. Nizamuddin Syed Khaderi, IIT Hyderabad</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS-14	Dr. Manoj Pandey, IIT Madras	Statistical Modeling of fracture in NACRE
14:20-14:40	Sponsor's presentation by Ansys		
14:40-14:55	166	Qazi Inaam ul Quadir	FRP panels subjected to in plane compression and shear: Stiffened vs corrugated panels
14:55-15:10	281	JAIRAJA R	Bi-material Interface strength and damage analysis of CFRP laminate/Aluminium blank
15:10-15:25	373	Shashidhar Krishnappa	Prediction of matrix crack evolution in MD-FRP laminates using energy based approach
15:25-15:40	401	Sagar Kubher	Numerical studies of delamination during drilling of CFRPs considering thermal effects
15:40-15:55	407	Cyril Thomas Antony Raj	Strengthening of thin-webbed castellated beams using CFRP
15:55-16:10	569	Juhi Kushwaha	Thermal Analysis of Composite Solid Propellant using Dynamic Mechanical Analysis
16:10-16:25	261	Amrendra Kumar	Bending analysis of bimodular composite material laminated thin curved beam using equivalent stiffness method

### Session VII 14:00- 16:35 hrs

<b>Room: M 1.7 - Structural Analysis and Design – SAD 6</b>			
<b>Session Chair: Prof. Debasish Roy, IISc Bangalore</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS-15	Dr.K V Nagendra Gopal, IIT Madras	Some Analytical and Semi-analytical Techniques for Static and Dynamic Response of Layered and Sandwich Panels using Exact Three-Dimensional Governing Equations
14:20-14:35	75	Kothapalli Leelendhu Mouli	Manufacturing and Design of a 3D-Active Camber Airfoil Structure
14:35-14:50	115	Rahul A Parate	Development of program for Design of RCC Column considering Shear due to Lateral Forces
14:50-15:05	302	T DEEPA	Seismic behaviour of plan irregular re-entrant corner buildings
15:05-15:20	273	Hasan Mohammad Khalid	Bending and Free Vibration Analysis of Laminated Shallow Curved Beams using an Efficient Layer wise Theory
15:20-15:35	57	Suresh Babu G	Design And FE Analysis of Composite Riser for Deep Water Application
15:35-15:50	567	Atul Ramesh Bhagat	Micromechanics based Prediction of Thermal Conductivities of Unidirectional and Particulate Composites
15:50-16:05	582	Praveen Oggu	Seismic Behaviour and its influence on Damage Probabilities of Irregular R.C Buildings
16:05-16:20	367	Arun Singh	Low Velocity Impact Response of Hybrid Composites
16:20-16:35	475	Rafi Rahman	A study on improving the durability of offshore structures with the appropriate use of composite materials

### Session VIII 14:00- 16:20 hrs

<b>Room: M 1.8 - Computational Methods and Mechanics – CMM 6</b>			
<b>Session Chair: Prof. M S Siva Kumar, IIT Madras</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS-16	Dr. Vinu Unnikrishnan, University of Alabama, USA	Anisotropic Characterization of Soft Bio-Composites
14:20-14:35	42	Seema Seema	Insight into the Tension Stiffening Behaviour of Reinforced Concrete Tension Members Revealed by Finite Element Modelling
14:35-14:50	102	Paresh Kothari	In-structure Response spectra using nonlinear dynamic analysis of concrete structure considering hinges with Pivot Model
14:50-15:05	355	Kumar Gaurav	Analysis of tubular FRP composite bonded socket joints with functionally graded adhesive
15:05-15:20	347	R UDHAYARAMAN	Progressive failure analysis of plain woven composite
15:20-15:35	534	Chandrashekhar Lakavath	Shear Behaviour of Steel Fiber Reinforced Precast Prestressed Concrete Beams

15:35-15:50	537	Chella Pandian M	Investigation on NSM FRP Shear Strengthening of High Strength Prestressed Concrete Beams with Different Bonding Materials
15:50-16:05	301	Poonam Kumari	Analytical solution of functionally graded beam having longitudinal stiffness variation
16:05-16:20	595	Savithri. S. Karanth	Strength Properties of Waste Plastic Fibre Reinforced Concrete

**Friday, 29th December, 2017**

**Morning Sessions:**

**Session I 08:45- 10:00 - Plenary session**

**Session Chair: Prof. Somnath Ghosh , John Hopkins University, USA.**

<b>Room: M 1.1</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
08:45-9:15	PL-5	Prof. Yeong-Bin Yang, Chongqing University, China	A Spectral Approach for Seismic Analysis of Underground Long Tunnels
09:15-9:45	PL-6	Prof. Paul Weaver, University of Bristol, UK.	Material Tailoring for Lightweight and Morphing Structures
09:45-10:00	Sponsor's presentation by Abaqus and Cadmark		

**10:00-10:30 TEA BREAK**

**Session II, 10:30 -13:00 hrs.**

<b>Room M 1.1 - Session CM 6: Composite Materials</b>			
<b>Session Chair: Dr. Surendra Nadh, IIT Hyderabad</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL 17	Prof. Puneet Mahajan, IIT Delhi	Multiscale Modeling of Low Velocity Impact of Composites
11:00-11:15	32	Sunny Zafar	Development of Green Polymer Composites Through Microwave Energy
11:15-11:30	187	Moumita Mahanty,	Effect of Fibre-reinforcement and Corrugation on the Propagation of shear Wave in Cylindrical Earth Model
11:30-11:45	419	Anusree Ray	On the possibility of Rayleigh-type wave propagation through a liquid layer overlying a porous/ heterogeneous half-space with corrugated interface
11:45-12:00	104	Matta Seshadri	Progressive Damage Modeling of Open hole CFRP Specimen under Flexural Loading
12:00-12:15	123	Harpreet Singh Bedi	On the interaction of different polymers with carbon nanotube grafted carbon fiber
12:15-12:30	320	Rakesh kumar	Multiple reinforced composites, the possible solutions to avoid delamination in composite rocket motor casings

12:30-12:45	530	Lohithkumar J Kondapura	Modeling of Polymer 3D Woven Composites
12:45-13:00	398	SAI NITESH K J N	A study on effect of aspect ratio of steel fiber on Torsional behaviour of Recycled Aggregate Self Compacting Concrete

### Session III, 10:30 -13:00 hrs.

<b>Room M 1.2 - Session SAD 7: Structural Analysis and Design</b>			
<b>Session Chair: Dr. Anil Agarwal, IIT Hyderabad.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL 18	Prof. B. Nageswara Rao, IIT Madras.	Uncertainty Analysis of Structures with Mixed Uncertainties
11:00-11:15	591	Regala Aneela	Understanding phase stability and thermodynamic properties of Al <sub>x</sub> HfNbTaTiZr refractory high entropy alloy using FACTSAGE software
11:15-11:30	323	T Janardhana Reddy	Bending-based aluminium foam structures for impact energy absorption applications
11:30-11:45	250	Balavishnu Udayakumar	Free Vibration of Sandwich Panels Using Modified State Space Differential Quadrature Method: Parametric Study
11:45-12:00	343	Bibekananda Mandal	A Homogeneous Model for 3D Progressive Damage Analysis of FRP Composite Bolted Joints
12:00-12:15	243	Rajat Atkare	Comparative Study of Corrosion Models
12:15-12:30	543	Paramjit Kour	Structural and Dielectric Properties of PFN-BiFeO <sub>3</sub> Multiferroic
12:30-12:45	472	Pavana Prabhakar	Damage Mechanics of Composites under Sea Water Exposure
12:45-13:00	597	Gudur Chetna	Phase Field Modeling of Brittle Fracture

### Session IV, 10:30 -13:00 hrs.

<b>Room M 1.3 - Session PC 5: Particulate Composites</b>			
<b>Session Chair: Dr. H Sudarsana Rao, JNTU Anantapuram</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL 19	Prof. C. Lakshmana Rao, IIT Madras	Mechanics of Shirodhara treatment
11:00-11:15	334	Samala Sangharsh	Experimental Analysis on Bolted Joints for FRP Composite and Metallic Plates
11:15-11:30	345	Vasu Chaudhary	Synthesis and Characterization of Polystyrene polymer by Suspension Polymerization
11:30-11:45	353	Amrishraj Doraisamy	Influence of nano zirconia and PTFE on Short beam shear strength of ABS Hybrid composites

11:45-12:00	357	Shah Dhaval Bipinchandra	Determination of Cure Kinetics Parameters for CFRP composites using Differential Scanning Calorimetry (DSC)
12:00-12:15	403	Vikram Singh Kashyap	Strength Characteristics of Nanomodified Cement Mortar and Concrete: A Review
12:15-12:30	67	V V Praveen Kumar	Investigation on strength and durability characteristics of ternary blended cement concrete
12:30-12:45	255	Sundar Singh P	Development of Advanced Flexible Bearing for Thrust Vector Control
12:45-13:00	598	M. N. Prabhakar*,	Preparation and study on the properties of Flax fabric/Thermoplastic Cationic Starch Bio-composite

### Session V, 10:30 -13:00 hrs.

<b>Room M1.4 - Session EM 4: Experimental methods</b>			
<b>Session Chair: Dr. Ramji M, IIT Hyderabad</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL 20	Prof. Velmurugan, IIT Madras	Dynamic Characterization of Metallic and Non Metallic Material.
11:00-11:15	252	Rakshitha J	Residual Life Assessment of RC Beams
11:15-11:30	433	Kondaiah V. V	Machining and corrosion behavior of aluminum fly ash composites produced by stir casting
11:30-11:45	221	Naveen R	Strength enhancement of the Aramid fiber to the UV degradation by Sol-gel technique
11:45-12:00	233	Sivaganesh Selvaraj	Retrofitting of open channel built-up beams using CFRP
12:00-12:15	235	Vijayakumar Natesan	Experimental Investigation on Bolted Sleeve Connection between two CFS Channels
12:15-12:30	321	Lambadi Harish	Monotonic uniaxial and biaxial electromechanical experiments and modelling of the PVDF.
12:30-12:45	327	S Venkatachalam	Characterisation of Fatigue Damage Mechanisms in CFRP With and Without Stress Concentrators
12:45-13:00	330	ANIL KUMAR VEERAPANENI	Synthesis And Evaluation of Flexural Strength And Hardness of Alumina Nano Particles Embedded Glass Fibre Reinforced Composites

### Session VI, 10:30 -13:00 hrs.

<b>Room M1.5 - Session CMM 7: Computational methods and Mechanics</b>			
<b>Session Chair: Prof. Idapalapati Sridhar, NTU, Singapore</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL 21	Prof. Debasish Roy, IISC Bangalore	Modelling Pseudo-ductility in CFRP Composites
11:00-11:15	31	Himanshu Pathak	Computational Study of Cracks in Functionally Graded Materials

11:15-11:30	426	Mriganka Shekhar Chaki	Moving load response on the stresses produced in an irregular microstretch substrate
11:30-11:45	474	G Durga Prasad	Effect of Surface Tension on the Evolution of Free Surface in Viscoelastic Fluid Flows
11:45-12:00	476	PARANI KUMAR M	Study of a non-linear constitutive equation of ortho-normal invariants
12:00-12:15	245	Rohit Dashrath Nikam	Free vibrations of functionally graded nanobeams using a new nonlocal trigonometric shear deformation theory
12:15-12:30	576	Ashvini B	Numerical Investigation on Thin Walled Steel Channel Sections
12:30-12:45	177	Ahmad Saood	Non-linear Forced Vibration Analysis of Laminated Composite plates
12:45-13:00	414	Tauheed Mohd	Cohesive law estimation by direct method for composite adhesive joints

### Session VII, 10:30 -13:00 hrs.

<b>Room M2.1 - Session CMM 8: Computational Methods and Mechanics</b>			
<b>Session Chair: Dr. Vinu Unnikrishnan, University of Alabama, USA.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL 22	Prof. Liqun Tang, South China Univ. of Tech, China	Challenges in Experimental Characterization of Hydrogels
11:00-11:15	392	APARNA GANGELE	Elastic and Buckling Analysis of Vertically Aligned Carbon Nanotube Arrays using Finite Element Methods
11:15-11:30	399	S Nadeem Masood	A Computationally Effective Finite Element Model for Prediction of CAI Strength of Composites
11:30-11:45	211	Srikanth Krishnakumar	Implementation of a Novel Rate-type Viscoelastic Solid Model for Filled Rubber with Steel Reinforcements in FEM
11:45-12:00	244	Sai Trinath Dubba	A Graph Based Finite Element Approach for Simulation of Fracture in Brittle Materials using Gradually Varying Nonlocal Damage Criterion
12:00-12:15	375	SHASHANK RAKSHE	Optimisation of Spar and Wingskin Thickness of Spar Wingskin Joint using FE based Failure Analysis
12:15-12:30	560	Ummer Amin Sheikh	Three Dimensional Large Deformation Elastoplastic Analysis by FEM Using Total Lagrangian Approach
12:30-12:45	271	SUNIL NIMJE	Failure Analysis of Functionally Graded Adhesively Bonded Tubular Joint of Laminated FRP Composites under Torsion
12:45-13:00	300	Sriram Bharath	Structural Analysis of Functionally Graded Material Shells using Finite Element Method

### Session VIII, 10:30 -13:00 hrs.

<b>Room M2.2 CMM 9- Computational methods and Mechanics</b>			
<b>Session Chair: Dr. Prashanth Saxena, IIT Hyderabad</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL 23	Prof. LIM, C. W, City Univ. of Hong Kong, China	Thermo-Acoustic Radiation of Free-standing Nano-thin Film in Viscous Fluid
11:00-11:15	189	Satya Durga Rao Sunkara	Free Vibration Analysis of FGM Plates with Internal Defects Using Extended Isogeometric Hybrid Collocation-Galerkin Method
11:15-11:30	8	Mihir M Chauhan	Failure Strength of Finite Laminated Plate with Cutouts
11:30-11:45	439	Surendra Verma	Transient Analysis of Laminated Composite Plates Using New Non-Polynomial Shear Deformation Theory
11:45-12:00	17	Rutupurna Choudhury	Fuzzy based uncertain low velocity impact analysis of laminated composite plates
12:00-12:15	47	Jatinkumar Maheshkumar Dave	Bending stress intensity factors at the cusp of hypocycloidal hole in anisotropic plate
12:15-12:30	48	Niravkumar Pravinbhai Patel	Effects of Cut-out Orientation and Fiber Angle on a Stress Concentration in an Infinite Orthotropic Plate
12:30-12:45	100	K Krishna Bhaskar	Large Amplitude Free Vibrations of S-C-S-C Rectangular Mindlin Plates: Coupled Displacement Field Methodology
12:45-13:00	496	Ayan Haldar	Investigating Design Space of Variable Stiffness Laminates with Initial Curvature

**Session IX, 10:30 -13:00 hrs.**

<b>Room M 2.3 &amp; M2.4 - SAD 8- Structural Analysis and Design</b>			
<b>Session Chair: Dr. C Vishwanath Chinthapenta, IIT Hyderabad.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
10:30-11:00	SPL 24	Dr. Nagesh R Iyer	Pre-engineered Steel-Foam Concrete Composite Panels for Fast Construction
11:00-11:15	492	ROHIT GHADGE	Investigations on Stress and Deflection Analysis of Aluminium Reinforced Hybrid Composite Beam
11:15-11:30	27	SANJOY DAS NEOGI	Finite Element Application in Analysis and Design of Corner-Supported Composite Skewed Hypar Shell Roof under Low-Velocity Impact- Selection Guide Lines
11:30-11:45	557	N UMAMAHESWARI	Investigations on Axial Compressive Strength of Circular Concrete-filled Double-Skin Steel Tubular Short Columns
11:45-12:00	578	SANJAY B	Design of Concrete Filled Steel Tubular (CFST) Columns
12:00-12:15	121	GAURAV DHADSE	SHAPE OPTIMIZATION OF RAFT FOOTING RESTING ON MULTILAYERED FLEXIBLE BASE



12:15-12:30	596	Gunti Sai Venkata Kalyan	MODELING AND SIMULATION ON COMPOSITE LAMINATES SUBJECTED TO LOW VELOCITY IMPACT
12:30-12:45	497	Ayan Haldar	Design Optimization of Multistable Variable-Stiffness Laminates
12:45-13:00	601	Dr. Sanjiv Sonkaria	The descent towards low-dimensional materials: The road to synthetic biomimcry and smarter energy solutions

### 13:00-14:00 LUNCH BREAK

### Afternoon Sessions:

#### Session I, 14:00- 16:20 hrs

<b>Room: M 1.1 Session CMM 10: Computational Methods and Mechanics</b>			
<b>Session Chair: Dr. Nizamuddin Syed Khaderi, IIT Hyderabad</b>			
Time	Paper ID	Presenting Author	Title of Paper
14:00-14:20	IS - 17	Dr. Sami El Borgi, Texas A&M University, Qatar	Torsional Vibration of Size-dependent Viscoelastic Rods using Nonlocal Strain and Velocity Gradient Theory
14:20-14:35	107	Sanjay Gokul Venigalla	A Review on Study of Fracture parameters in Quasi-brittle composites excited to Dynamic loads
14:35-14:50	450	Karunakaran Chellappa	Identifying the initiation of damage in hyper-elastic class of materials considering material inhomogeneity
14:50-15:05	548	Paramveer Sharma	Damage modelling of Unidirectional laminated composites
15:05-15:20	393	Arosh E R	A Study On Response Of Multi-Storey Frame Infilled With Laterite Interlocking Blocks Subjected To Cyclic Loading
15:20-15:35	415	T Chaitanya Sagar	Molecular Dynamics study of graphene nanocomposites
15:35-15:50	119	Animesh Talapatra	Characterization of Single Layer Graphene Reinforced Polyurethane Nanocomposite using Multiscale Modeling and Simulation
15:50-16:05	509	Tanushree Ray	Dynamic Effect of Blast Load on Building Frames
16:05-16:20	192	Rafael Ramirez Alvarez de Lara	Bond behaviour degradation between FRP and masonry under aggressive environmental conditions

#### Session II, 14:00- 16:20 hrs

<b>Room: M 1.2 Session AC 3: Applications of composites</b>			
<b>Session Chair: Dr. Samikkannu Raju, NAL, Bangalore</b>			
Time	Paper ID	Presenting Author	Title of Paper
14:00-14:20	IS - 18	Dr. Sushma Santapuri, IIT Delhi	Mathematical Modeling of Magnetostrictive Material Based Structures

14:20-14:35	29	Ibrahim Kaleel	Numerical simulation of delamination in laminated structures
14:35-14:50	76	Shrey Alpeshkumar Shah	Application of Silver Nanoparticles in sensing various Chemicals
14:50-15:05	337	Mainampati Venkat Charan Reddy	Design and development of Auxetic foam for defence applications
15:05-15:20	480	Deepak P	Frequency response analysis of a coupled non-linear laminated plate with surface bounded/embedded induced strain actuators
15:20-15:35	135	Archana Ashok Gite	Iron based shape memory alloy re-bars in civil structures: An experimental and analytical study
15:35-15:50	143	Supriya Ramesh Patil	Experimental Study on Effect of Fabric Wrinkle on Strength and Stiffness of Laminated Composites
15:50-16:05	194	Trilochan Prasad Nanda	Hardness study of Al6061 Metal matrix composite with CNT reinforcement prepared by conventional Powder Metallurgy technique
16:05-16:20	396	Sameerkant Behera	Quality Control and Acceptance of Filament Wound Composite Rocket Motor Case
16:20-16:35	212	Naresh Reddy Kolanu	Experimental Studies on the Stability Behaviour of Curved CFRP Panels under Axial Compression

### Session III, 14:00- 16:20 hrs

<b>Room: M 1.3 - Session CM 7: Composite Materials</b>			
<b>Session Chair: Prof. P. Venkitanarayanan, IIT Kanpur</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS - 19	Dr. Inderdeep Singh, IIT Roorkee	Injection Molding of Natural Fiber Based Composites
14:20-14:35	69	Adil Ahmad	Seismic safety evaluation of an EPS core sandwich wall panel building
14:35-14:50	226	Abhinav Singhal	Rayleigh-type Wave Propagation in initially stressed Composite Structure.
14:50-15:05	372	Akash Manojbhai Siddhapura	Investigation on Dimensional Accuracy for CFRP Reflector Manufacturing Techniques
15:05-15:20	586	Satyajit Das	Compression & Indentation of 3D non-woven carbon fibre composite
15:20-15:35	491	Raju M P	Experimental studies of hybrid composites
15:35-15:50	552	Kingstone Fesley Jabez I	Investigation of Quality Issues Concerning Phenolic Resin, A Potential Candidate for The Realization of Ablative Liners Of Nozzles For Solid Rocket Motors
15:50-16:05	494	Sayyadh Rahamathbaba	Effect of filler size and concentration on mechanical properties of Silica filled GFRP composites
16:05-16:20	360	Kamlesh Kumar Pankaj	Analysis of Polarized Shear Waves in Reinforced layer over Heterogeneous Substrate with Corrugated Interface
16:20-16:35	237	M. Jobin	Elastic stress fields near rigid line inclusions

**Session IV, 14:00- 16:20 hrs**

<b>Room: M 1.4 - Session CMM 11: Computational Methods and Mechanics</b>			
<b>Session Chair: Prof. Lakshmana Rao, IIT Madras</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS - 20	Dr. Rajib Chowdhury, IIT Roorkee	Graphene Based Nanocomposites
14:20-14:35	412	Rushabha Shah	Finite element analysis of short beam shear test of CFRP Laminates
14:35-14:50	427	Kondru Nagendra Babu	Laminar Stress Analysis of FRP Composites under Hygrothermal Loading
14:50-15:05	278	Javed Ahmad Khan	3D simulations of laminated composite beams and plates with soft core under static, free vibration and buckling conditions
15:05-15:20	99	Meera Saheb Koppanati	Large Amplitude Free Vibration Behavior of Uniform Timoshenko Beam Using Coupled Displacement Field Method with n Term Algebraic Admissible Function
15:20-15:35	203	Priyanka Baheti	Time history analysis of Flat slab with peripheral beam
15:35-15:50	231	Mayank Patni	Static analysis of thin-walled stiffened structures using refined beam models based on the Unified Formulation
15:50-16:05	420	Swati Agrawal	A Comparative Study of Horn Shape Double Micro Beam System and Horn Shape Micro Beam
16:05-16:20	518	Sankalp Kevalram	Investigations on vibration characteristics of Sandwich Composite Beam

**Session V, 14:00- 16:35 hrs**

<b>Room: M 1.5 Session PC 6: Particulate Composites</b>			
<b>Session Chair: Dr Saswata Bhattacharya, IIT Hyderabad</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS - 21	Dr. Idapalapati Sridhar, NTU, Singapore	Fracture of Composites and Adhesively bonded joints under Bi-axial loading conditions
14:20-14:35	180	R L Sreenivasa	Finite Element Analysis of Glass Fiber Reinforced Gypsum Unfilled and Concrete Filled Wall Panels
14:35-14:50	181	Suchismita Mallik	seismic behaviour of stiffness eccentric RC framed building
14:50-15:05	183	D Jagath Kumari	The Influence Of High Temperatures On Hvfa Concrete Columns By Ndt Methods
15:05-15:20	219	Thokchom Suresh	Effect of SiO <sub>2</sub> Content on Durability of Fly ash Geopolymer Paste in Sulphuric Acid Solution
15:20-15:35	280	Milind V Mohod	Influence of Width and Spacing of Transverse Joint on Stresses and Deflections Developed in Concrete Pavement

15:35-15:50	282	Arindam Roy	STATIC ANALYSIS OF STEEL-CONCRETE COMPOSITE SLAB WITH CUTOUT - A PARAMETRIC STUDY
15:50-16:05	258	Ashok Kumar Shah	Comparative Analytical Study of Seismic Response and Cost of multi-Storey (G+12) RCC, Steel & Steel-Concrete Composite Building
16:05-16:20	267	Vavilala Srikanth	Foam Retrofitted Reinforced Concrete Columns Subjected to Simulated Blast Loading
16:20-16:35	602	Prashanth V P	Study on Influence of Alkalis on the consistent and other Properties of Sun-Dry Cured GeoPolymer Mortar

### Session VI, 14:00- 16:25 hrs

<b>Room: M 2.1 - Session CMM 12: Computational Methods and Mechanics</b>			
<b>Session Chair Dr. Anna Nasedkina, SFU, Russia.</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS - 22	Dr. Manoj Kumar Buragohain	Composite Product Development-An Integrated Approach
14:20-14:35	198	Ummidivarapu Vinay Kumar	Multi-objective shape optimization of structures using Isogeometric Boundary Element Method (IGBEM)
14:35-14:50	354	Akiwate Deepak Chandrakant	Acoustic Measurement of Additive Manufactured Periodic Concentric Tube Resonators
14:50-15:10	572	Abhay Sharma	A Refined Shear Deformation Zig-Zag Theory for Analysis of Laminated Sandwich Plates with soft core
15:10-15:25	529	Shreeta Kumari	Dynamics of torsional waves in prestressed orthotropic composite
15:25-15:40	299	Uttam Singh Kachhwah	Composite failure behaviour and size effect for variable load sharing fibre bundles
15:40-15:55	454	Abha Gupta	Static and Transient Analysis of Sandwich Composite Plates using Isogeometric Analysis
15:55-16:10	545	Surya Samukham	Parametric instabilities of delaminated variable angle tow composite laminate under axial compression
16:10-16:25	532	Jayaraman S	Detailed Thermal Analyses of Power Distribution Package for Planetary missions

### Session VII, 14:00- 16:40 hrs

<b>Room: M 2.2 - Session SAD 9: Structural Analysis and Design</b>			
<b>Session Chair: Dr. K V Nagendra Gopal, IIT Madras</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>

14:00-14:20	IS - 23	Dr. Kumar Shanmugam, Masdar Institute, Abu Dhabi	New Performance and Functionalities of Engineered Multi-Materials Enabled by Additive Manufacturing and Nano engineering
14:20-14:40	Sponsor's Presentation by U L India		
14:40-14:55	122	Shivpratap Sambhaji Patil	Design of FRP Driveshaft of SUV under Fatigue Loading
14:55-15:10	126	Akshay Bahubali Shah	Optimal Design of FRP Steering Axle of Heavy Duty Truck under Fatigue Loading
15:10-15:25	146	Dhiraj Nivrutti Sahane	Local Load Analysis of Nozzle for FRP Pressure Vessels
15:25-15:40	153	Umesh Kumar	Design of laminated FRP composite made damage tolerant pipelines for underground mining applications
15:40-15:55	234	Gaurav Somnath Chobe	Design of retrofitting steel channels using cold formed steel channels - Numerical study
15:55-16:10	599	C A Manoj Varma	INTERFACE MODEL FOR UNREINFORCED BRICK MASONRY UNDER CYCLIC LOADING
16:10-16:25	33	M Kasiviswanathan	Effect of moment gradient on flange buckling coefficient of FRP box-beams

### Session VIII, 14:00- 16:20 hrs

<b>Room: M 2.3 and M 2.4 - Session EM 5: Experimental Methods</b>			
<b>Session Chair: Dr. Milinda Mahajan , VIIT Pune</b>			
<b>Time</b>	<b>Paper ID</b>	<b>Presenting Author</b>	<b>Title of Paper</b>
14:00-14:20	IS - 24	Dr. Veera Brahmam, ASL, DRDO, Hyderabad	Development of Life Prediction methodology for Composite Structures
14:20-14:35	296	Prabhakaran Sivalingam	Flatwise Compressive Strength of Flax Fiber Reinforced Agglomerated Cork based Green Composite Sandwich
14:35-14:50	571	VVVS Murty	Comparative Structural Performance of Composite Filled tubes
14:50-15:05	574	Thirumalaiselvi A	Acoustic wave propagation in cement composites during early age hydration
15:05-15:20	577	C Thejaswini Veena	Experimental Study On Properties of Thermoset Resin Systems
15:20-15:35	589	Venkateswarlu Katarapu	Development of Graphene metal oxide composites for highly efficient photocatalytic degradation of Synthetic dyes
15:35-15:50	127	Lala Bahadur Andraju	Experimental and Numerical Studies on Flexural Strength of Curved Beam (L-Bent) Specimen
15:50-16:05	364	Dhiraj Kumar	Experimental investigations of CFRP/Ti stack drilling under cryogenic condition
16:05-16:20	150	Siddiqui Amir Hamza	Experimental Determination of Fatigue Life Curve for GFRP Composite Material