

ICCMS09: Presentation Schedule

Day: 1
Tuesday, Dec 1, 2009

ID		Time
	Registration, Venue: EM Lab, Groud Floor, Dept. of Civil Engg.	<i>Full day</i>
	Opening Cerenmony, Venue: PCSA	<i>09:00-09:45</i>
	Plenary, Venue: PCSA , Chair: Prof. Tarun Kant	
P1	Accurate Simulation of Mixed-mode Cohesive Crack Propagation in Quasi-brittle Materials using X-FEM <i>B.L. Karihaloo and Q.Z. Xiao</i>	<i>09:45-10:30</i>
	High Tea, Venue: PCSA	<i>10:30-11:00</i>
	Keynote, , Venue: PCSA, Chair: Prof. B. L. Karihaloo	
K4	Strength Prediction Methods for Adhesively Bonded Joints <i>B. Dattaguru, P.K. Sahoo and C.M. Manjunath</i>	<i>11:00-11:30</i>
M61(K14)	Scalable and Accurate Wideband Frequency-response Computation Using hp-finite Elements and Multi-point Pade-approximations <i>S. Dey</i>	<i>11:30-12:00</i>
	Parallel Session -1 (Solids and Structures), Venue: PCSA, Chair: Prof. B N Rao	<i>12:00-13:30</i>
S1	Active Vibration Control on Smart Beam Using Piezoelectric Actuator <i>C. Elango and A. Arockiarajan</i>	<i>12:00-12:15</i>
S2	An Analytical Model for Predicting Thermo-Electro-Mechanical Response of 1-3 Piezocomposite <i>M. Sakthivel and A. Arockiarajan</i>	<i>12:15-12:30</i>
S3	Comparison of Linear Static and Dynamic Analysis for Assessment of Progressive Collapse Potential <i>Saumil Tank, Digesh Joshi and Paresh V. Patel</i>	<i>12:30-12:45</i>
S22	A Higher-Order Linear Shell Theory for Layered Composite Materials for Cylinders <i>Tarun Kant and Payal Desai</i>	<i>12:45-13:00</i>
S6	Numerical Simulation of Buckling Control of Aluminium Shallow Shell <i>V.Srinivasan, C. Lakshmana Rao and Sayan Gupta</i>	<i>13:00-13:15</i>
		<i>13:15-13:30</i>
	Parallel Session -2 (Solids and Structures) , Venue: IC1, Chair: Prof. N K Chandiramani	<i>12:00-13:30</i>
S7	Damage Assessment in Frame Structure Using Wavelet Analysis <i>Sabyasachi Chandra and S.V. Barai</i>	<i>12:00-12:15</i>
S8	Characterization of Fracture Behaviour of Thin-Walled Tubular Components Using Experimental and Analytical Methods <i>J.K. Chakravartty, M.K. Samal and G. Sanyal</i>	<i>12:15-12:30</i>
S9	Probabilistic Fracture Assessment of Through-Wall Cracked Pipes Using High Dimensional Model Representation and Strain-Based Approach <i>M.V.N. Sivakumar, B.N. Rao and S.R. Satishkumar</i>	<i>12:30-12:45</i>
S10	A Comparative Study on Effect of Uniaxial and Multiaxial Whole Body Random Vibration on Reading Activity <i>M.K. Bhiwapurkar, V.H. Saran, V.K. Goel, S.P. Harsha and Mats Berg</i>	<i>12:45-13:00</i>
S11	Post Buckling Analysis of Laminated Fibre Composite Plates Using Secant Matrix Formulation in Spline Finite Strip Method <i>K.P. Beena and V. Kalyanaraman</i>	<i>13:00-13:15</i>
		<i>13:15-13:30</i>

Parallel Session -3 (Geomechanics) , Venue: IA, Chair: Prof. G Venkatachalam		12:00-13:30
G2	Comparison of Acceleration and Displacement Response Spectra on Three Soil Sites for Earthquakes Simulated Using Finite Source and Extended Finite Source Stochastic Models <i>Kamatchi, P., Nagesh R. Iyer , Ramana G.V and Nagpal A.K.</i>	12:00-12:15
G3	Numerical Modeling of Shallow Footing Using FLAC <i>Gaytree Dandekar and Deepankar Choudhury</i>	12:15-12:30
G4	Coupled Dam-Foundation Analysis Using Direct Method of Soil-Structure Interaction <i>P. Agrawal, A. Burman and Damodar Maity</i>	12:30-12:45
G5	Recent Advances in Computational Geomechanics for Seismic Uplift Capacity of Ground Anchors <i>Sunil Rangari, Deepankar Choudhury and D. M. Dewaikar</i>	12:45-13:00
G6	Probabilistic Stability Analyses of Earth Slopes <i>Rajib Chowdhury and B.N.Rao</i>	13:00-13:15
Lunch Break, Venue: Gulmohar Building, 3rd Floor		13:30-14:30
Keynote, Venue: PCSA, Chair: Prof. N G R Iyengar		
K1	Lagrangian Fluid Finite Elements for Fluid Structure Interaction <i>S. Gopalakrishnan</i>	14:30-15:00
K8	Modelling of Irradiated Material from Nano-to-Micro Scale <i>B.K. Dutta</i>	15:00-15:30
Tea/Coffe Break		15:30-16:00
Parallel Session - 4 (Solids and Structures), Venue: PCSA, Chair: Prof. C. Lakshmana Rao		16:00-18:15
S13	Buckling and Parametric Instability Behavior of Functionally Graded Shells <i>S. Pradyumna and J.N. Bandyopadhyah</i>	16:00-16:15
S14	Dynamic Simulation of Flexible Multibody Systems Systems Using ANSYS-ADAMS IntelInterface <i>S. Senthilkumar , N. Ganesan and Sujatha Srinivasan</i>	16:15-16:30
S15	Parametric Study of Unreinforced Masonry Under In-Plane Loading Using Mesoscale Approach <i>D. Mukherjee, A.M. Prasad and B.N. Rao</i>	16:30-16:45
S16	Bending Characteristics of Damaged Composite Conoidal Shells Under Uniform Loading <i>Suman Kumari and Dipankar Chakravorty</i>	16:45-17:00
S17	Static Analysis of Laminated Composite Skew Plates <i>Praveen Kumar, A.K.Upadhyay and K.K.Shukla</i>	17:00-17:15
S18	Modelling of Distributed Cracks in Concrete Beams Using Damage Index <i>Pervaiz Fathima , K.M. and J.M. Chandra Kishen</i>	17:15-17:30
S19	Effect of Random System Properties on Thermal Buckling Response of Laminated Composite Plates With Circular Cut-Outs <i>Achchhe Lal and B.N. Singh</i>	17:30-17:45
S20	Seismic Response Reduction of Building Using Semi-Actively Controlled Magnetorheological (MR) Damper <i>S.P. Purohit and N.K. Chandiramani</i>	17:45-18:00
Parallel Session -5 (Miscellaneous) , Venue: IC1, Chair: Dr. B K Dutta		16:00-18:00
M1	An Adaptive DPSM Technique for Modeling of Ultrasonic Fields <i>Prashant Bhise, Abhijit Mukherjee and Tribikram Kundu</i>	16:00-16:15
M3	Assessment of Cleavage Fracture Behavior of RPV Steel 20MnMoNi55 Using Beremin's Model of Cleavage Fracture at Various Cryogenic Temperatures <i>Manjeet Singh Virk , Bijon Kumar Dutta , Rahul Chhibber and Mahesh Kumar Sahu</i>	16:15-16:30

M4	High Dimensional Model Representation Based Fuzzy Analysis <i>A.S. Balu and B.N. Rao</i>	16:30-16:45
M5	Buckling of Smart Piezoelectric/Piezomagnetic Fixed – Fixed Beam Under Magnetic Loading <i>A.Kumaravel , N.Ganesan, Raju Sethuraman, M. S. Kumbhar and Rajesh K. Bhangale</i>	16:45-17:00
M6	Hysteresis Effects on Medium Aspect Ratio Wings in Post Stall Regime <i>Egambaravel J, Rinku Mukherjee and Trilok Kumar Vashist</i>	17:00-17:15
M7	Non-Unique Solutions in Prediction of Post-Stall Aerodynamics <i>Egambaravel J, Rinku Mukherjee and Trilok Kumar Vashist</i>	17:15-17:30
M8	Effect of Blade Pitch on a 500 kW Horizontal-Axis Wind Turbine <i>Sharanappa V. Sajjan, P. K. Dutta and Vimala Dutta</i>	17:30-17:45
		17:45-18:00
Parallel Session -6 (Miscellaneous) , Venue: IA, Chair: Dr. Saikat Dey		16:00-18:00
M56	Interaction integrals for fracture analysis of functionally graded piezoelectric materials subject to thermo-electro-mechanical loads <i>B. N. Rao</i>	16:00-16:15
M10	Numerical Investigation of Airflow Management Over Vehicle Windscreen <i>Baskar.S and Suresh Babu.T</i>	16:15-16:30
M11	<i>Design and Computational Analysis of Electric Overhead Traveling Cranes</i> <i>Vikas Rastogi and Vivek Kumar</i>	16:30-16:45
M12	Generalised Differential Quadrature Method (GDQM) for Buckling and Free Vibration Analysis of Thin Isotropic Rectangular Plates <i>V. B. Dawari, S. P. Zine and Vinay Zinage</i>	16:45-17:00
M13	Heat and Fluid Flow Across a Rotationally Oscillating Cylinder Under The Influence of Cross-Stream Buoyancy <i>Sachin B. Paramane and Atul Sharma</i>	17:00-17:15
M14	Computation of Associated Green's Tensor for an Unperturbed Micropolar Elastic Medium <i>M.Mitra and R.K. Bhattacharyya</i>	17:15-17:30
M15	Computational Analysis of Thermo-Mechanical Contact Behaviour of Two Tubes <i>A.K. Dureja, P. Seshu, D. N. Pawaskar and R. K. Sinha</i>	17:30-17:45
M16	Strain Hardening Conditions in ECC Via Fiber Bridging Stress Versus Crack Opening Relation <i>J. D. Rathod, B. K. Bodeliwala and S. C. Patodi</i>	17:45-18:00
Banquet Dinner: Gulmohar Building, 3rd Floor		20:00-22:00

Day: 2
Wednesday, Dec 2, 2009

ID		Time
	Registration, Venue: EM Lab, Groud Floor, Dept. of Civil Engg.	<i>Full day</i>
	Keynote, Venue: PCSA, Chair: Prof. B Dattaguru	
K5	Finite Element Analysis – A Path to the Technician Level <i>Tirupathi R. Chandrupatla</i>	9:00-9:30
K6	Optimization of Composite Laminates Using Genetic Algorithm <i>N.G.R. Iyengar</i>	9:30-10:00
K3	Nonlinear Periodic Response of Curved Beams and Rings <i>S. M. Ibrahim, B. P. Patel and Y. Nath</i>	10:00-10:30
	Tea/Coffe Break	10:30-11:00
	Parallel Session - 7 (Solids and Structures) , Venue: PCSA, Chair: Prof. R P Shimpi	11:00-13:00
S21	Aerodynamic Characteristics of a Wing-Tail and Wing-Canard Configuration <i>Hossain Aziz and Rinku Mukherjee</i>	11:00-11:15
M64	Free Vibration Analysis of Aluminum-Zirconia (Al/ZrO ₂) Functionally Graded Plates Under bi-directional Bending <i>R N Mali and S M Shiyekar</i>	11:15-11:30
S23	An Error Indicator and Adaptivity for Laplace Equation Based on Element Free Galerkin Method <i>Hormis J. V. and Raju Sethuraman</i>	11:30-11:45
S24	Postbuckling Response of Hybrid Composite Plates <i>Sumit Sharma, Ramesh Pandey, A.K. Upadhyay, and K.K. Shukla</i>	11:45-12:00
S25	3D Solution for Dynamics of Laminated Angle-Ply Circular Cylindrical Shells with Piezoelectric Fiber Reinforced Composite Actuators and Sensors <i>Poonam Kumari and S Kapuria</i>	12:00-12:15
S41	Application of Integrated Force Mehtod to Space and 2-D Structures <i>Atul Khatri and B.M. Dawari</i>	12:15-12:30
S27	Effect of X-Plate Damper on Dynamic Characteristic of Piping System and Seismic Effectiveness <i>Istiyak Khan, M.K. Agrawal, R.K. Singh, A.K. Ghosh and K. Sasidharan</i>	12:30-12:45
S28	Thermal Weight Functions and SIF's for Bimaterial Interface Cracks Using Body Force Analogy <i>Ratnesh Khandelwal and J. M. Chandra Kishen</i>	12:45-13:00
	Parallel Session - 8 (Miscellaneous) , Venue: IC1, Chair: Prof. Deepankar Choudhury	11:00-13:00
M17	Simulation Based Expert System to Predict the Forming Limit of Tailor Welded Blanks <i>K. Siva Krishna, R. Ganesh Narayanan and G. Saravana Kumar</i>	11:00-11:15
M18	Crystal Plasticity Simulation of Plastic Deformation of Pure Mg with Random Texture <i>Apu Sarkar and J. K. Chakravartty</i>	11:15-11:30
M19	Representing Weld Zone During Friction Stir Welded Blank Formability Prediction <i>P. Janaki Ramulu and R. Ganesh Narayanan</i>	11:30-11:45
M21	Axial Vibration Analysis of Nanorods with Nonlocal Continuum Elastic Theory <i>V. Senthilkumar</i>	11:45-12:00
M2	A Numerical Comparison of Weak Discontinuities in Meshfree Methods <i>Mohit Pant, I.V. Singh, B.K. Mishra, V. Bhasin, Kamal Sharma and I.A. Khan</i>	12:00-12:15
M23	Numerical Investigation of Mechanical Properties of Irradiated Materials Using Small Punch Test <i>N. Naveen Kumar, P.V. Durgaprasad, B.K. Dutta and G.K. Dey</i>	12:15-12:30

M24	Experimental and Computational Investigations of end Loss Phenomena in Rectilinear Impulse Blade Cascade <i>Somnath Bhattacharjee, Lajpat Rai and S R Kale</i>	12:30-12:45
		12:45-13:00
Parallel Session -9 (Hydromechanics) , Venue: IA; Chair: Prof. T I Eldho		11:00-13:00
H1	Estimating Transmitted Waves of Floating Breakwater Using Support Vector Regression Model <i>S. Mandal , A. Vittal Hegde, Vishal Kumar and Sanjay G Patil</i>	11:00-11:15
H2	The Chaotic Advection and Targeted Mixing: The Inertial Effects <i>G. Sriram Ragav, Ananth Pai S. and B.S.V. Patnaik,</i>	11:15-11:30
H3	Simulation of Groundwater Flow in Porous Media Using Meshfree Methods Based on Collocation Techniques with Radial Basis Function <i>Mategaonkar Meenal and Eldho T.I.</i>	11:30-11:45
H4	Simulation of Urban Flooding Using Finite Element Method <i>Shahapure S.S., Nunna D.V.S., Eldho T. I., Rao E.P.</i>	11:45-12:00
H5	Design and Numerical Studies on Axial Flow Blood Pump <i>Vinid J. Nair, Kumaraswamy, S. and Krishnakumar, R.</i>	12:00-12:15
H6	Space-Time Discontinuous Galerkin Methods for Nonlinear Free Surface Waves <i>V.R. Ambati, O. Bokhove and J.J.W. van der Vegt</i>	12:15-12:30
H7	Effect of Counterflow Jet on Reduction of Aerodynamic Heating Over a Blunt Body in Hypersonic Turbulent Flow <i>S. P. Anjalidevi and S. P. Anjalidevi and S.Aruna</i>	12:30-12:45
H8	A Study on Reduction of Drag Over A Blunt Body in Hypersonic Turbulent Flow Using Counterflow Jet <i>S. Aruna and S. P. Anjalidevi</i>	12:45-13:00
Lunch Break: Gulmohar Building, 3rd Floor		13:00-14:00
Keynote, Venue: PCSA, Chair: Prof. T.R. Chandrupatla		
K12	On the Development of Two Variable Shear Deformation Plate Theories <i>R.P. Shimpi</i>	14:30-15:00
K11	Conjunctive Modeling of Surface-Subsurface Flow <i>B.S. Murty</i>	15:00-15:30
Tea/Coffe Break		15:30-16:00
Parallel Session -10 (Solids and Structures) , Venue: PCSA, Chair: Prof. Y Nath		16:00-18:15
S29	Elastic Response of Cantilever Beam Using Quadrilateral Discrete Element Method <i>Rajesh P Nair and C. Lakshmana Rao</i>	16:00-16:15
S30	Sizing of Interface Failure in a Composite Structural T – Joint Using Guided Lamb Waves: a Numerical Study <i>C. Ramadas, Krishnan Balasubramaniam, Makarand Joshi and C.V. Krishnamurthy</i>	16:15-16:30
S31	Estimation of Fatigue Crack Propagation in Concrete Based on Population Growth Model <i>Sonalisa Ray and J.M. Chandra Kishen</i>	16:30-16:45
S32	Structural Optimization Using Harmony Search Algorithm <i>D. Shrikanth and S.V. Barai</i>	16:45-17:00
S33	Influence of Speed and Crack Distance on Behavior of Rotor Crack <i>Swapnil Gujarathi, Vinod Raul and M.K. Bhiwapurkar</i>	17:00-17:15
S34	Influence of Loader Weight, Speed and Severity of Fault on Outer Race Defect of Rolling Element Bearing <i>Swapnil Gujarathi, Vinod Raul and M.K. Bhiwapurkar</i>	17:15-17:30
S35	Tension Softening in Concrete-Concrete Interfaces Using Bi-Material Cracked Hinge Model	17:30-17:45

	<i>Santosh G. Shah, V. Bhashya and J.M. Chandra Kishen</i>	
S36	Use of Infinite Elements in Dynamic Analysis of Pavement Subjected to Moving Load <i>V.A. Patil, V.A. Sawant and Kousik Deb</i>	17:45-18:00
M60	Uncertainty quantification of natural frequencies of jointed segments of Aerospace vehicle <i>K. Manoj and Dr. Sayan Gupta</i>	18:00-18:15
Parallel Session -11 (Miscellaneous) , Venue: IC1, Chair: Prof. D.M. Dewaikar		16:00-18:00
M25	Performance of 4-Pocket Capillary Compensated worn Hybrid Journal Bearing <i>E. Vijaya Kumar, Vikas M. Phalle, Satish C. Sharma and S.C. Jain</i>	16:00-16:15
M26	Simulation Of Mechanical Response Of ZrO ₂ /NiCr FGM <i>V. Amol , Anuradha Banerjee and R. Rajesh</i>	16:15-16:30
M27	Numerical Simulation of low Steeping Waves in a Horizontally Excited Container Using σ - Transformation <i>M.Eswaran and Ujjwal K Saha</i>	16:30-16:45
M28	Assessment of Robust Tire Design Based on a Non-Deterministic Simulation Approach <i>M. Kaliske, C. Zopf, S.K.P. Amarnath and P. Becker</i>	16:45-17:00
M29	Nonlinear Supersonic Flutter Characteristics of FGM Plates <i>M. K. Singha, T. Prakash, and M. Ganapathi</i>	17:00-17:15
M30	Analysis of Fracture Toughness in the Transition Temperature Region of a Ferritic Steel Using Master Curve Approach: Validation of Experimental Results by FEM Simulation <i>M.K. Samal, and J.K. Chakravartty</i>	17:15-17:30
M31	Interpretation of Hydrogen Induced Sub-Critical Crack Growth in Zirconium Alloys <i>R. N. Singh, J. K. Chakravartty and P. Stahle</i>	17:30-17:45
M32	Study of Chromium Depletion Near Grain Boundary and Corresponding Sensitization in Austenitic Stainless Steels <i>M.K. Samal, A. Abhishek and H. Katoch</i>	17:45-18:00
Parallel Session -12 (Miscellaneous) , Venue: IA, Chair: Prof. B S Murty		16:00-18:00
M33	Spectral Solutions of Elliptic Systems in Arbitrary Quadrilaterals <i>Chitra Alavani, Pallavi Joshi, S Pavithran and Smita Bedekar</i>	16:00-16:15
M34	Experimental and Numerical Assessment of Influence of Size of Speckle In Digital Image Correlation <i>Kishor T. Zingre and K. Ramesh</i>	16:15-16:30
M35	Modeling single-walled carbon nanotubes using non-local axisymmetric shell model <i>N. D. Parab and Mira Mitra</i>	16:30-16:45
M36	Finite element simulation of fringe patterns in reflection photoelasticity <i>B. Neethi Simon and K. Ramesh</i>	16:45-17:00
M37	Geological Sequestration of CO ₂ – Multiphase Flow Modeling <i>Shibani Jha and M.S. Mohan Kumar</i>	17:00-17:15
M38	Fracture simulation using triaxiality-dependent cohesive zone model <i>R. Manivasagama, M. Rajendran and Anuradha Banerjee</i>	17:15-17:30
M39	A novel approach to micro-total analysis systems <i>Sonali Tripathy, Amit Prabhakar and Soumyo Mukherji</i>	17:30-17:45
M40	Computational study of a one-half power-law body with and without strakes <i>P. D. Sonawane, Amarjit Singh and S. Pavithran</i>	17:45-18:00
Dinner, Venue: Gulmohar Building, 3rd Floor		20:00-22:00

Day: 3
Thursday, Dec 3, 2009

ID		Time
	Registration, Venue: EM Lab, Groud Floor, Dept. of Civil Engg.	<i>Full day</i>
	Keynote, Venue: PCSA, Chair: Prof. Y M Desai	
K2	Response-Damage Interaction Analysis of RC Frame Structures using a CDM based Model <i>Nagesh R. Iyer, J. Rajasankar and A. Meher Prasad</i>	9:00-9:30
K9	Dynamic Response and Reliability Analysis of Deep Water Off-shore Structures <i>Suhail Ahmad</i>	9:30-10:00
K10	Computational Mechanics for Indian Nuclear Research Program <i>R. K. Singh</i>	10:00-10:30
	Tea/Coffe Break	10:30-11:00
	Parallel Session -13 (Solids and Structures) , Venue: PCSA, Chair: Prof. R K Singh	11:00-13:00
S37	Design and Static Stress Analysis of T-Slotted Type Variable Flange Coupling <i>Sandeep Singh, Ramesh Panday and Harpreet Singh</i>	11:00-11:15
S39	A Thermodynamically Motivated Model for Ferroelectrics with Free Energy Smoothing <i>A. Arokiarajan</i>	11:15-11:30
S40	Damage Mechanics Simulation of Mechanical Behaviour of Zircaloy Fuel Clad Tubes Using Non-Standard Specimens <i>M.K. Samal, Priti K. Shah and J.K. Chakravartty</i>	11:30-11:45
S26	Numerical Modelling of Fracture in Particulate Composite in Compression Using Unit Cell Approach <i>M.D. Ghouse, C. Lakshmana Rao and B. N. Rao</i>	11:45-12:00
M62	Damage Coupled Elasto-plastic Analysis of Adhesively Bonded Single Lap Joint <i>Amar Gajjam, Patanjalee Walunjkar, B. M. Dawari</i>	12:00-12:15
M63	Strength of Steel Beam Column <i>M R Shiyekar, Pratibha Kulkarni</i>	12:15-12:30
S44	Elastic Properties of RCC Under Flexural Loading <i>S.K. Kulkarni and M.R. Shiyekar</i>	12:30-12:45
		12:45-13:00
	Parallel Session - 14 (Miscellaneous) , Venue: IC1, Chair: Prof. Suhail Ahmad	11:00-13:00
M41	Finite Element Simulation of Whole Field Photoelastic Parameters for the Slices Cut from 3D Models <i>T. Kasimayan and K. Ramesh</i>	11:00-11:15
M42	Study of blood flow in microchannels <i>Nishant Kumar and Amit Agrawal</i>	11:15-11:30
M43	A New Grid Adaptation Scheme Based On K-Means Algorithm <i>Krishna H.S.</i>	11:30-11:45
M44	Elastoplastic FEM Analysis for Electromagnetic Forming Process <i>S. V. Kulkarni , Jaiveer Singh , S. H. Kulkarni and H. S. Mantrawadi</i>	11:45-12:00
M45	Mechanical Deformation Analysis of Inner Winding of a Transformer using Finite Element Method <i>Amit Bakshi and S.V. Kulkarni</i>	12:00-12:15
M46	Aeroelastic Optimization of Airfoil Flutter Using Sensitivity Based Approach <i>Anoop, A.M., Manjuprasad, M. , Somenath Mukherjee</i>	12:15-12:30
M47	B-spline in multilevel wavelet-Galerkin solution of one dimensional problem	12:30-12:45

	<i>K. Sandeep, Krishna Rao ,H.S. Kushwahar and D. Datta</i>	
M48	The deformation and breakup of a drop suspended in the immiscible liquid in the presence of a steady and an oscillatory electric field. <i>Rajkumar S. Patil , Purushottam Soni, V. A. Juvekar, Rochish Thakkar and V.M. Naik</i>	12:45-13:00
Parallel Session -15 (Hydromechanics/Miscellaneous) , Venue: IA, Chair: Prof. B P Patel		11:00-13:00
H9	Riverstage Simulation of Tapi River using HEC-RAS <i>P.V. Timbadiya,P.L.Patel, P.D.Porey</i>	11:00-11:15
H10	Meshfree Solution of The Flow Over A Rigid Cylinder <i>Akhilendra Singh and I. V. SINGH</i>	11:15-11:30
H11	Assessment of Turbulence Model for Flow Past a Circular Cylinder and its Wake Control <i>M. Sridhar and B.S.V. Patnaik</i>	11:30-11:45
M54	Rainfall Scenario Prediction with SVM-PGSL Coupled Approach <i>Subimal Ghosh</i>	11:45-12:00
M57	Thermal post buckling analysis of FGM beam using non-linear finite element method <i>K. Sanjay Anandrao, R.K.Gupta, P. Ramachandran, G.V.Rao</i>	12:00-12:15
M58	Influence of variable radial tension parameters on post buckling analysis of circular plates using intuitive formulation <i>R. K. Gupta, G. Jagadish Babu, Ranga Janardanan, G. V. Rao</i>	12:15-12:30
M59	A Methodolgy to predict the performance of the thermoplastic energy absorbers in automobiles during multiple impacts <i>Dinesh Mana, Somasekhar Bobba, and Dhanendra Nagwanshi</i>	12:30-12:45
G1	An Effective Mesh Generation Algorithm for Finite Element Analysis of Coupled Dam-Foundation-Reservoir System <i>Saket Bhushan, Srinjoy Das and Damodar Maity</i>	12:45-13:00
Lunch Break, Venue: Gulmohar Building, 3rd Floor		13:00-14:00
Keynote, Venue: PCSA, Chair: Prof. Tarun Kant		
K7	New Computational Approaches for Wrinkled and Slack Membranes <i>D. Roy</i>	14:30-15:00
M55 (K13)	A Novel Upwind Method for Incompressible Flow Computations using Pseudo-Compressibility Approach <i>J.C. Mandal</i>	15:00-15:30
Tea/Coffe Break		15:30-16:00
Parallel Session -16(Solids and Structures) , Venue: PCSA, Chair: Prof. D Roy		16:00-18:00
S45	Cylindrical Bending of Piezoelectric Plate Using a Refined Plate Theory <i>Eshwar G. Pawar</i>	16:00-16:15
S46	An Analytical Method for Predicting Fatigue Crack Growth in Randomly Vibrating Structures <i>Naajein C. and Sayan Gupta</i>	16:15-16:30
S47	Manufacturing and Testing of Al-SiC Composite Material <i>Gagandeep Bhardwaj, Ramesh Panday and Amit K. Sharma</i>	16:30-16:45
S48	Finite Element Modeling of PZT-Structure Interaction for Electro-Mechanical Impedance (EMI) Technique <i>Sumedha Maharana and Suresh Bhalla</i>	16:45-17:00
S49	Optimization of Stress Triaxiality Factor - Effects on Yielding of Isotropic Ductile Materials Under Plane Strain Condition <i>Shailendra Singh Bhadauria, M.S. Hora, K.K. Pathak</i>	17:00-17:15
S50	Element Formulation and Warpage Issues for Twisted Members in Automotive Structures Subjected to Impact Loads	17:15-17:30

	<i>Somasekhar Bobba, Dinesh Mana and Dhanendra Nagwanshi</i>	
S51	Post earthquake behavior of a piping system <i>A. Ravi Kiran, M.K. Agrawal, G.R. Reddy, R. Ramesh Babu, R. K. Singh, K. K. Vaze and A.K. Ghosh</i>	17:30-17:45
S52	Parallel GA for Optimum Design of Laminated FRP Composites <i>D. Chakraborty, A. Dutta, M.S. Shah, and V. Sundararajan</i>	17:45-18:00
Parallel Session -17 (Solid and Structures) , Venue: IC1, Chair: Prof. J M Chandra Kishen		16:00-18:00
S53	Dynamic Response of Liquid Storage Tanks Isolated by the DVFP <i>D.P. Soni, B.B. Mistry and V.R. Panchal</i>	16:00-16:15
S54	Ultimate Load Analysis of Structural Components Using Beam and Shell Elements <i>S. Sreenath, U. Saravanan and V. Kalyanaraman</i>	16:15-16:30
S55	Computation of Pore Structure of Self Compacting Concrete Using Image Analysis <i>T. Hemalatha , Ananth Ramaswamy and J.M. Chandra Kishen</i>	16:30-16:45
S56	Mean and Standard Deviation of Post-Buckling of Random Composite Plates <i>Padmanav Dash and B. N. Singh</i>	16:45-17:00
S57	Post-Buckling Behaviour of Laminated Composite Curved Panel in Thermal Environment <i>S.K. Panda. and B.N. Singh</i>	17:00-17:15
S58	A Finite Element Study on the Nonlinear Flexural Vibration Characteristics of Composite Cylindrical Panels <i>R. Daripa and M.K. Singha</i>	17:15-17:30
S60	2D Finite Element Analysis with Parametric Study of Shear Connection in Composite Beam with Profiled Steel Deck <i>D. R. Panchal, P. M. Tamhane and S. C. Patodi</i>	17:30-17:45
		17:45-18:00
Parallel Session-18(Miscellaneous/Solid and Structures), Venue:IA, Chair: Prof.S. Banerjee		16:00-18:00
M49	Turbulence Variation Analysis of Internal Combustion Engine Processes <i>Niraj Shah, Anand G, J. P. Subrahmanyam and M R Ravi</i>	16:00-16:15
M50	Development of Finite Element Model for Radio Nuclide Transport in Saturated/ Unsaturated Porous Media <i>Punit Arora, Vivek Bhasin, K.K. Vaze, A.K. Ghosh and H.S. Kushwaha</i>	16:15-16:30
M51	Heat Transfer analysis of receiver/absorber Tube of Parabolic Trough collector for commercial and Industrial applications <i>D.R. Waghole , Dr.N.K. Sane and Dr.G.V.Parshwad</i>	16:30-16:45
M52	Numerical diffusion in Computations of Boiling Flow Instabilities <i>S. Maiti and S. Paruya</i>	16:45-17:00
M53	Model Based Analysis of Guided Lamb Waves for Active Health Monitoring of Structural Components <i>Sauvik Banerjee and Fabrizio Ricci</i>	17:00-17:15
S61	Static Analysis of Shear Deformable Functionally Graded Plates Using Finite Element Method <i>Mohammad Talha and B.N. Singh</i>	17:15-17:30
S62	Mindlin-Reissner Theory Based New 16-Node Lagrangian Rectangular Plate Bending Element using Integrated Force Method <i>H.R. Dhananjaya P.C. Pandey and J. Nagabhushanam</i>	17:30-17:45
S63	Nonlinear Dynamic Response of FGM Cylindrical Shells under Transverse Periodic Load <i>N. Nehra and B.P. Patel</i>	17:45-18:00
Closing Ceremony, Venue: PCSA		18:00-18:30
High Tea, Venue: PCSA		18:30-19:00