

Nirma University
Institute of Technology
NUiCONE 2017

List of selected papers

Paper ID	Title
3	Comparision of Energy Production Cost for MVAC and MVDC Offshore Wind Farm Distribution System
16	Design, Simulation and Performance Analysis of Grid Connected Photo-Voltaic System with Decoupled Current Control.
20	ANALYSIS OF “LEVEL OF SERVICE (LOS)” “DELAY” “QUEUE LENGTH” AND “QUEUE STOPS” AT A SIGNALIZED INTERSECTION USING VISSIM- A CASE STUDY ON FATEHAGUJ CIRCLE VADODARA CITY.
23	Self healing properties of bacterial concrete/mortar
29	Load Balancing In Cloud Computing Using Particle Swarm optimization On Xen Server
37	Developing of multi-plates velocity map imaging spectrometer for 3D velocity vector imaging of electrons and ions
44	Studies on activity models to predict LLE for biodiesel system
46	Improvement of Traffic Junction by analyzing capacity, accidents and the installation of control devices- a case study at a junction of 32-Miles, District Kangra, H.P., India
47	Design and Development of Data Acquisition system for Cooling water System of ITER-India Gyrotron Test Facility
51	Risk Assessment of BOT toll Roads in Indian Scenario
56	Simulation of a Top Hat Electrostatic Analyser with Focusing Grid
57	Deep neural network compression via knowledge distillation for embedded applications
73	Dynamic Modelling of Two Link Flexible Manipulator Using Lagrangian Finite Elements Method
77	Selection of sustainable technology for VOC abatement in an industry - An integrated AHP-QFD approach
79	Trajectory planning of the four-legged robot
81	Biomethane and Ammonia Generation Through Rice Mill Waste Water
84	Secure and Efficient Group Based Data Retrieval From Cloud Storage Using Obfuscation and Data Mining Techniques
86	Modeling & Experimental Investigation on Reciprocating Vibro Separator.
87	Single Missing Cell Deposition Defect Analysis of Sequential Reversible Circuit
88	A Novel Approach for Securely Processing Information on Dew Sites(Dew Computing) in Colloboration with Cloud Computing
90	Automation and Standardization of Processes used in Packing and Logistics
93	DESIGN OF INVOLUTE CAM AND FOLLOWER MECHANISM FOR FRISBEE THROWING MACHINE
96	Black hole Attack Prevention in VANET
99	Improving Classifier Accuracy Using Particle Swarm Optimization
110	Damage detection in structure using particle swarm optimization method
113	Tracking variations in natural frequencies of fixture-workpiece system during pocket
121	Design of Cost Effective Fly Ash Brick Manufacturing Machine
123	Partial interaction in steel concrete composite girders: A comparative study

Nirma University
Institute of Technology
NUiCONE 2017

List of selected papers

Paper ID	Title
124	Evaluation of Mechanical Properties and light transmission of Light transmitting Concrete
127	Design and Implementation of Solar Pumping System with Induction Motor and Submersible Pump
128	Analysis of Carrier Offset Technique Used in a Five-Level Inverter Scheme with Emphasis on DC-Link Capacitor Voltage Balancing
129	Production of Sodium Hypochlorite on Ti/IrO ₂ -SnO ₂ -Sb ₂ O ₅ electrode as anode by electrochemical method
131	Comparative Study of Mechanical Properties of Concrete using Waste Foundry Sand
133	Mechanical Characterization of CNT and BNNT Based Nanocomposites
135	Detection of Pneumonia clouds in Chest X-ray using Image processing approach
138	Comparative Study of Compressive Strength and Durability Properties of Binary, Ternary and Quaternary Mortar
140	Design and Development of Thermal Actuator for Refocusing Mechanism of Secondary Mirror of a Space Telescope
141	Identification of faulty condition of rolling element bearing with outer race defect using time and frequency domain parameters of vibration signature
142	Tool Condition Monitoring Using Image Processing Techniques
146	Effect of Freeze-Thaw on K-based Geopolymer Concrete
148	Case Study of a Pavement of Alkali Activated Concrete Paver Blocks at Nirma University Campus
149	Simulation Analysis of Voltage Balancing Scheme Using Multi carrier Techniques for Three Phase Three-Level Flying-Capacitor (FC) Front-End Converter
156	Identification of faulty condition of rolling element bearing with inner race defect using time and frequency domain parameters of vibration signature
158	Strengthening RC beams with Ultra High Performance Fiber Reinforced Concrete using Concrete Damage plasticity model - A Numerical study
160	Project Risk Management for Infrastructure Transportation Project of Southern India
165	PERFORMANCE INVESTIGATION OF PULSE TUBE REFRIGERATOR WITH DIFFERENT REGENERATIVE MATERIALS
167	A Quantitative Study of Mapping and Localization Algorithms on ROS based Differential Robot
169	Effect of various geometrical parameters on thermal performance of axial groove heat pipe
174	Investigation on Mechanical Properties of Crushed Sand Concrete
175	Comparison of effectiveness of oil-jet lubrication systems for ball bearings
177	A Hybridized RA-APSO Approach for Humanoid Navigation
178	Development of Activated TIG welding technology for Low alloy steels: A step towards sustainable manufacturing
181	Size effect and nonlinear fracture behavior of fiber reinforced self compacting concrete
183	Design of Automatic Vertical Storage System
188	Effect of Surface Roughness on Working of Electromagnets

Nirma University
Institute of Technology
NUiCONE 2017

List of selected papers

Paper ID	Title
189	Farm Level Land Suitability Assessment for wheat and Mustard Crops Using Geomatics: A Case Study of Badipur Village of Patan District, Gujarat
190	Numerical Investigations on High Voltage Circuit Breaker
191	Experimental Investigation of Reinforced Concrete Infill Frames under Pseudo Dynamic Loading
194	Modelling and Analysis of Surface Roughness in turning operation using Minimum Quantity Solid Lubrication
195	Synthesis of Aluminium Based Metal Matrix Composites (MMC) and Experimental Study of their properties
198	Effect of Randomly Distributed Jute Fibers on Design of Soil Subgrade
199	Structural Performance of Corroded Beams Repaired with FRP Sheets
200	Fresnel Lens as a Solar Collector for various Thermal Energy Applications
201	Development of Fragility Curves for Reinforced Concrete Building
203	Seismic Performance Evaluation of RC frame using Incremental Dynamic Analysis
206	Modifications and Experiments on Solar Flat Plate Collector for reduction of Top Loss Co-efficient and improvement in performance
207	Experimental Investigation of temperature produced During Turning Operation using solid lubricants
208	Effect of Temperature on the tensile strength of Stainless Steel Wire Mesh and Fiber Reinforced Polymers
209	CRITICAL EVALUATION OF FACTORS AFFECTING COST OF CONCRETE FORMWORK FOR MULTISTORY CONSTRUCTION
217	Analytical Approach on Evaluation of Stress Distribution beneath Plain Rigid Wheels on TRI – 1 Lunar Soil Simulant
219	Comparative Analysis of Bare Frame Model, Viscoelastic Damper Model and Shear Wall Model
220	Parametric Study of Multi–Storey Building incorporating Buckling Restrained Braces
222	Parametric Study of Geopolymer Concrete With Fly ash and Bottom ash activated with Potassium Activators
223	Study of Shear Lag Effect in Hybrid Structural System for High Rise Building
225	Formability of AA1050-O in forming variable angle cone shaped component using SPIF
226	Design and Analysis of Ball Valve for Cryogen Flow Isolation at -196 °C Temperature
227	Parametric Analysis of Quadruple Conical Tank System
230	Commissioning of a noise free PD measurement lab-A stepwise approach
237	AGWallP - Automatic Guided Wall Painting System
239	Measurement and Correlation of Vapor-Liquid Equilibria for Cyclopentyl methyl ether + Acetic acid at Atmospheric Pressure
240	Mechanics of CLF through Chip Deformation in Eco-friendly Machining of Inconel 718
242	Design and Analysis of Centrifugal Compressor

**Nirma University
Institute of Technology
NUiCONE 2017**

List of selected papers

Paper ID	Title
243	Performance Comparison of a Corrugated Horn with a Spline Profile Horn for Plasma Diagnostics
246	Associative Classification: A Comprehensive Analysis and Empirical Evaluation
250	Evaluation of Cure Kinetic Parameters of CFRP Composites using Differential Scanning Calorimetry
251	Implementation of Special Mathematical Function on FPGA
253	Study of high gain configurations of double split ring slotted patch antenna for Ku band communications
257	Literature Experimental Liquid- liquid Extraction Data of Aromatic/Aliphatic Separation Using Green Solvents-Ionic Liquids
258	Development of Design Aid for Non-Rectangular Reinforced Concrete Column–C Shape.
262	Effect of Laser Engraving On L-Shaped CFRP Components during Curing Process