

Schedule of papers for 24th Indian Engineering Congress, NITK Surathkal, Mangalore, December 10 to 13, 2009,

Session IB

Venue: ATB Seminar Hall Date: 11/12/09

Time: 12.45 to 13.45 Hrs.

1.	Study of Slow Dense Granular Flow	Riteja Dutta & Apoorva Bajaj
2	Preparation and Characterization of Biodegradable Starch /Clay nanocomposites prepared by solvent casting	Ankita Khanna1 Marut Dutt2
3.	Element Transfer Behavior Of Hardfaced Layer Made By Paste Technology WITH 6013 SMAW ELECTRODE	Manoj Kumar Et Al.
4.	Cladding Of Stainless Steel 308l On Carbon Steel Substrate By Submerged Arc Welding	Dinesh Kumar Shukla1, Sunil Pandey2, Manoj Kumar3 And Zaheer Khan Yusufzai4
5.	Modeling of residual stresses and thermal cycle for weld joint using finite element method	Narendrakumar, Sunil pandey & Abhishek kumar
6.	Defects in friction stir welding of mild steel	MZK Yousufzai, Sunil Pandey, Rajesh Prasad,& Karamjit Singh
7.	Effect of electrode polarity in submerged arc welding process	Hariom, Sunil Pandey, Mohd. Zaheer Khan
8.	Development of multilayer coating of Zn-Ni alloy for better corrosion resistance	Yogesh S. and A.Chitharanjan Hegde

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Session IIB

Venue: ATB Seminar Hall Date: 12/12/09

Time: 10.00 to 11.15 Hrs.

1	Energy Security	Aditya Malhotra, Himanshu Jain
2.	Monte Carlo Simulation : New Statistical Critical Value tables and Process Control in Nuclear Technology	Surendra P Verma et. al
3.	Energy Audit – The Prime need for Energy Security : Two case Studies	Dr. B S Samaga
4.	AC Grid Connected Photovoltaic Systems a Review	M. Venkatesh Kumar, S. Rajagopal & R Sthianarayana.
5.	Distributed Generation in Power Systems: An Overview and Key Issues	Naveen Jain & SN Singh
6.	Deriving electricity through waste gama-radiations	Abhishek Sharma & Pratyush Deyasi
7.	An Improved Wood Stove Design	Sankha Subhra Datta & Dr. Soupayan Mitra
8.	Kitchen Waste As Renewable And Susbstainable Energy Resource	Mr.J.S.Sudarsan Et Al
9.	Ecofriendly, renewable & sustainable energy;The importance of Biogas as source of energy	Prof. G. Raghunatha Rai
10.	Energy Harvesting by using difference in Fermi Levels & It's modeling by Euler-Bernoulli Beam Theory for MEMS Cantilever Beams	Anchal
11.	Lowering Energy Intensity by Energy Audit and Energy Conservation Methods – Brief note Submission.	S.Ganapathi

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Session IIIB

Venue: ATB Seminar Hall

Date: 12/12/09

Time: 12.00 to 13.30 Hrs.

1.	A New Security System Using Single Packet Authorization and Port Knocking	Danish Arif
2.	Peer-to-Peer Network Protocols	Shivaji Mirashe & NV Kalyankar
3.	Speech Synthesis	Himanshu Monga
4.	Automatic Top-Down Clustering of High Dimensional Categorical data	Prasad S.Halgaonkar et al.
5.	Conversion of OpenMP to OpenGL Deployable on GPGPU	Santosh Kumar & Prasad Halgaonkar
6.	Enhancing E-Commerce Using The Remote Java Rmi Registry	Raghuveer.R1, Deepti.G2, Prakhyat Kumar.C3
7.	Literature Survey And Analysis Of Wavelet Transforms And Filters Towards A New Algorithm In Still Image Compression Standard	Shaik. Mahaboob Basha
8.	Multifocal Image Fusion Using Wavelets	Kumar Swamy.V
9.	Quasi Resonant Interconnect Network Using Active Inductor	Soorya Krishna K1 And M. S. Bhat2
10.	Enterprise Search Mechanisms	Anujot Kaur
11.	Mobile Phones: Tools for Development and Empowerment of People in Rural and Remote Areas.	Abhinav Krishna
12.	Using Low Actuation Voltage RF MEMS Switch for Fabrication of A Dual Band Microstrip Reconfigurable Antenna	Nazia HASAN et al
13.	Nano-MOSFET a study	Balraj A, Aiswarya R, Prasen H, Prof.Rabinder Henry
14.	Medical Device Development in India: Engineering and Social Challenges	T Asokan

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Session IVB Venue: ATB Seminar Hall

Date: 12/12/09

Time: 16.00 to 17.00 Hrs.

1.	Revitalizing the Indian Manufacturing Inc. for Enhancing Global Competitiveness through Integrated Manufacturing Program	Vishnu D Wakchaure et. al
2.	Regenerative Brake System Of Bicycle - An Innovative Design	Sankha Subhra Datta
4.	India's growth and security – social challenges	P N Shetty
5.	Mining, Transportation, processing of minerals for infrastructure development in coastal Karnataka: Requirement of policies for better management	Udaya Bhat K
6.	Imperatives of National Growth and Security Challenges	Dr. J.L. Sehgal
7.	Technology Penetration in SMEs	Chaudhary Nitin et.al.
8.	Low Cost Aerial Vehicle With Enhanced Communication Systems-A Tool For Growth and Security	Sohan Suvarna*, Ashwin L Nandagiri*, Undar Shritheja*, Pruthviraj U1**

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Session VB

Venue: ATB Seminar Hall

Date: 13/12/09

Time: 12.00 to 13.30 Hrs.

1.	Emergency Planning and Risk Reduction in Chemical Process Plants	Mohan Babu Y, Raju UB & Raju AVSR
2.	Impact Of Textile Processing Industries Effluent On Groundwater Quality – A Case Study	R.Rajamanickam and Dr S.Nagan
3.	Suspended Particulate Matter (SPM) Assessment in Urban Areas Using Fuzzy Logic Approach	Deepa Srivastava * and R.C. Vaishya
4.	Ground Water Recharge Assessment of Haladi River Basin in Westernghat of Karnataka State	Mahadeve Gowda & MK Nagaraj
5.	Remote Sensing Satcom Technology to Meet the Challenges of National Growth and Security	Dr. J.L. Sehgal
6.	Land Use/ Land Cover Change Detection Using Remotely Sensed Data: A Case Study	Varun.V.M et al.
7.	Sewage Pollution of Ground Water	Mahesh patnaik
8.	Sensitivity Analysis - A Security Tool For Water Treatment Plants	Srinivasa Rao et al
9.	Recovery Of Fertilizer And Usable Water From The Flush Solution Of Zero Discharge Toilet System Developed At Iit Kanpur	Shruthi D Prabhu
10.	Ozonation Of Dye In A Fixed Bed Bubble Column Reactor-A Case Study For The Removal Of Persistent Chemicals In Waste Water By Tertiary Treatment.	Sukanchan Palit1
11.	Climate Change and Effects – Indian Scenario	Subtahmanya k & Prashanth Janardhan
12.	Solution to Multi-Phase pollutant dispersion Flows using Ansys Flotran	Harishankar M1, Pruthviraj U*2

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Session VIB

Venue: ATB Seminar Hall

Date: 13/12/09

Time: 14.30 to 15.30 Hrs.

1.	Energy & Water Security By Adopting Green Building Principals- A Bajaj Auto (Aurangabad Plant) Case Study.	MR.R.S.EKBOTE
2.	Parametric Evaluation of Damping of Polyester Concrete using Taguchi Design of Experiments	Raman BEDI1*, Simrandeep Kaur BRAR1 and S K TIWARI
3.	High Performance Rebars For Seismic Resistance Application In Rcc Construction	Vinod Kumar Et Al.
4.	Fabrication and erection of trestle for ril at jamnagar	M.Jayaram
5.	Green Buildings Concept- Need of the hour.	Dr. L.K.Bisoyi, Ph.D (Engg), FIE
6.	Safety and Health Aspects in Construction Industry	Subtahmanya k & Sriharsha