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# Members

## in the News



**Dr. Tangellapalli Srinivas, AMIE**, Professor, CO2 Research and Green Technologies Centre, School of Mechanical Engineering, VIT University, Vellore, received outstanding scientist award 'VIFRA' (Venus International Foundation Research Award) from Venus International Foundation, Chennai on December 2015.



**Ravinder Vannam, MIE**, has been awarded Gold Medal (Innovation Award) by the Department of Science & Technology, Government of India and Lockheed Martin India Innovation Growth Programme 2014 for his valuable contributions towards 'Energy Saving in Textile Industry by Converting Shuttle Loom to Rapier Loom'.



**Sudip Banerjee, MIE**, has been awarded 1st prize as "Kaizen Super King" for the 1st phase of adopting Kaizen Practices among the employees of Verka Milk Plant, Ludhiana (Milkfed Punjab) during the Kaizen Competition held on February 10, 2016. The award was presented for his remarkable contributions in small improvement practices in Milk Plant Ludhiana.



**Rudranath Banerjee, FIE**, delivered lecture on "Use of Structural Steel in Offshore Oil & Gas Platform" during the "Steel Construction Summit" organised by MS Business Media at The Lalit, Mumbai, India on December 2, 2015.



**Saji Jose Eluvathingal, FIE**, has attained the designation of LEED AP (Leadership in Energy & Environmental Design - Accredited Professional) certified by the US Green Building Council.





# Members

## in the News



**Himanshu Gupta, AMIE**, was adjudged Best Employee of the year for his excellent design of Turbine Integral Piping for 660 MW Banharpalli Thermal



Power Project (Orissa Power Generation Corporation Limited). The Award was given by Executive Director (Head of the Plant), HEEP, BHEL, Haridwar.



**Dr. Rupa. Ch, AMIE**, delivered keynote address on "Knowledge in Information Security", in the 12th International Conference on

'Researches in Engineering, Technology and Sciences', at Linton University, Kuala Lumpur, Malaysia, held during December 26-27, 2015.

**Dr. K S Shivaprakasha, MIE**, delivered a talk on "Energy Efficient Data Communication in Wireless Sensor



Networks" in a two-day Faculty Development Programme held at Sri Jayachamarajendra College of Engineering, Mysuru, Karnataka, on January 30, 2016.



**Dr. N. S Srinivasan, FIE**, has been conferred with Distinguished Alumnus Award 2016 by Alumni Association College of Engineering, Guindy, Chennai, on the occasion of 91st Alumni Day, March 20, 2016, in recognition of his outstanding services to India and other developing countries in the field of traffic and transportation planning and implementation of projects.

**Ms Aruna Devi, MIE**, was honoured as Successful Women Industrialist on International Women's Day, March 8, 2016 at a function jointly organized by Mysuru District Administration, Zilla Panchayath,



Women & Child Welfare Department, District Industries Centre and Mysore Industries Association.



**Naveen Kumar Gupta, MIE**, received Appreciation Award on February 3, 2016 from Shri Gulab Chand Kataria, Hon'ble Minister of Home & Justice, Government of Rajasthan, for outstanding work in the matter of Litigation Information Tracking & Evaluation of the Court Cases of Water Resources Department of the State of Rajasthan.

# Members

## in the News

**Dr. Ariyur Halasyam Yegneswaran, FIE**, was awarded the



Distinguished Alumnus Award for Excellence in Research by the National Institute of Technology, Tiruchirapalli on March 4, 2016.

The award was presented by Shri E.S.L. Narasimhan, Hon'ble Governor of Andhra Pradesh and Telengana.

**Narender Singh, MIE**, has been awarded Commendation Certificate- 2014 (Award for Best Paper for author below 35) by Indian Buildings Congress on September 9, 2015 for the paper titled "Fuel Generation from Tyre Waste: A Step Towards Renewable Source of Energy" presented in Mid Term Session and Seminar on 'Waste Management in Built Environment' during December 2014.



**Suresh Sahu, MIE**, was conferred with "Glory of India Award" for outstanding achievements and distinguished global services. The award was presented by His Excellency Shri T P Seetharam, Ambassador of India to



United Arab Emirates, at the International Conference on "Celebrating the Global Indians" held at Dubai on January 23, 2016.

**Dr. Bhagwanjee Jha, AMIE**, coordinated one-day Workshop on quality research for Ph.D. & M. Tech. Students of the Gujarat Technological University" held in association with The Institution of Engineers (India), Gujarat State Centre on March 5, 2016 at Ahmedabad.



**Poorna Prabhat Sunkara, AMIE**, delivered Lecture on Soft Skills Training Programme at Sub-Regional Office, Employees State Insurance Corporation (Ministry of Labour & Employment, Government of India), Gunadala, Vijayawada during March 23-24 2016.



**Dr. M. Stalin, IES, FIE**, Director, Survey of India under Ministry of Science & Technology delivered an expert lecture on the topic "Make in India: S&T Driven Innovations" at The Institution of Engineers (India), Chattisgarh State Centre, Raipur on the eve of National Science Day 2016 on 29-02-2016. He elaborated the role played by Survey of India down the centuries since 1767 in arena of Surveying & Mapping. Survey of India as such is the premier geospatial data generator for India establishing control frame work to map every inch of it.





### Sambit Majumder, AMIE

**(a) Title of Paper:** "Effect of Corner Radius of a T-Junction on Fluid Flow and Heat Transfer in the Developing Region: A Three Dimensional Numerical Simulation", **Journal:** *Procedia Engineering, Elsevier, Vol. No.: 105, Page no. : 89-95, 2015.*

**(b) Title of Paper:** "3 Dimensional Numerical Study of Cooling Performance of a Heat Sink With Air-Water Flow Through Mini-Channel", Title of Conference: *11th International Conference on Mechanical Engineering 2015, Organizer: Department of Mechanical Engineering, BUET, Dhaka, Bangladesh, Venue: BUET, Dhaka, Bangladesh, Date: December 18-20, 2015.*



### S. Tripathy, FIE

**(a) Title of Paper:** "Information Technology is an Enabling Factor Affecting Supply Chain Performance in Indian SMEs: A Structural Equation Modelling Approach", *Journal of Modelling in Management Vol. 11, Issue.1, pp. 269-287.*

Co-author: S.Aich, A. Chakraborty, Gyu M. Lee

**(b) Title of Paper:** "STOP Approaches of Green Issues in Indian Mining Industries Towards Sustainability Development: A Critical Future Issue", *International Journal of Research in Mechanical Engineering & Technology, Vol 5. Issue 1, pp 7-9.*

**(c) Title of Paper:** "A critical study of issues pertaining to Fatigue & Alertness of Crew in Rail Transport System through Analysis of Data of Vigilance Control Device Installed in the locomotive", *International Journal of Research in Mechanical Engineering & Technology, Vol 5. Issue 1, pp 43-48.*

Co-author: S.Nayak

### G. Chiranjeevi Reddy, MIE

**Title of Paper:** "Career Aspirations & Background of Students Opting for Fashion Education Courses in India", *14th International Educational Technology International Conference during September 3-5, 2014, Chicago, USA. Paper published in ELSEVIER Procedia - Social and Behavioural Sciences journal 176(2015), pp. 952-960, DOI: 10.1016/j.sbspro.2015.01.564.*



### Dr. Puneet Sood, MIE

**Title of Paper:** "Concerns in Training, Skill Development and Employability Issues in Industrial Training Institutes of Himachal Pradesh", *International Conference on Sustainable Skill Development: Challenges and Future Perspectives, NITTTR, Chandigarh, held during February 18-19. 2016 in collaboration with CPSC, Manila, ASSOCHAMIE, AICTE, Australian Government, UNCERP, Bangkok.*

Co-author: Prof. Dr. Yoginder Singh Verma

### Sanjith J, AMIE

**(a) Title of Paper:** "Experimental Investigation on Performance of Sugarcane Bagasse Ash Concrete in Acidic Environment", *International Journal of Earth Sciences and Engineering, Vol. 08, Issue 02, pp:471-476, April 2015.*



**(b) Title of Paper:** "Experimental Investigations on Compression Behaviour Parameters of NSC and SCC Intermediate RC Columns", *International Journal of Civil Engineering and Technology (IJCIET), Vol. 6, Issue 8, pp: 100-117, August 2015.*

**(c) Title of Paper:** "A Critical Review on Fire Resistance Structures", *International Conference on Futuristic Trends in Engineering, Science, Humanities & Technology (FTESHT-16), 23rd-24th January 2016, ISBN 978-93-85225-55-0 TRO INDIA & IPS College of Technology & Management, Gwalior, Madhya Pradesh.*



# Publications by

# Members



**Ms. Salmabanu Luhar, AMIE**

**(a) Title of Paper:** "Effects of Salient Parameters Influence the Properties of Fly Ash Based Geopolymer Concrete", *International Journal of Research in Civil Engineering, Architecture & Design (IJRCEAD)*, Vol. 2, Issue-3, 2015, pp 1-10.

**(b) Title of Paper:** "Durability Studies of Fly Ash Based Geopolymer Concrete", *International Journal of Engineering Research and Applications*, Vol. 5, Issue 8, (Part - 4), 2015, pp 17-32.

**(c) Title of Paper:** "Compressive Strength Of Translucent Concrete", *International Journal of Engineering Sciences & Emerging Technologies*, Vol 8, Issue 2, 2015, pp 52-54.

**Prof (Dr) C. M. Narayanan, FIE**

**(a) Title of Paper:** "Studies on Synthesis of Biodiesel from Microalgae Oil in Immobilized Lipase Fluidized Bed Bioreactor", *Biomass Conversion and Bio-refinery Journal*, Vol.5, No.1, 2015, pp. 33 – 42, DOI : 10.1007/s 13399-014-0126-6.

Co-Author: Tripti De

**(b) Title of Paper:** "Studies on Synthesis of Biodiesel by Transesterification of Neem Oil with Immobilized Lipase in Cylindrical and Diverging – Converging Fluidized Bed Bioreactors", *International Journal of Chemical and Environmental Engineering*, Vol. 6, No. 5, October 2015, pp 322 - 336.

Co-Authors: Tripti De, Jaya Sikder

**(c) Title of Paper:** "Studies on Performance Characteristics of Salt-gradient Solar Ponds using Aqueous Solutions of Copperas", *International Journal of Green and Herbal Chemistry, Section – A*, Vol.5, No.1, Dec.2015 – February, 2016, pp 67 - 74.



**Ms. R.Sharanya, AMIE**

**Title of Paper:** "Linear MMSE Time Domain Equalisation Technique for 2x2 MIMO System Without Pilot in LTE", *International Journal of Electronics and Communication Technology* (Oct - Dec, 2015), Vol: 6, Issue: 4, pp 37 – 41.



**Prof (Dr) Manoj Kumar, FIE**

**(a) Title of Paper:** "Comparative Study of Thermal-Hydraulic Performance of Circular Tube with Inserts". [doi:10.1016/j.aej.2015.12.013], *Alexandria Engineering Journal*, 55 (1), 343-349.

Co-Authors: Kumar A., Chamoli S.

**(b) Title of Paper:** "Experimental Investigation of Heat Transfer Enhancement and Fluid Flow Characteristics in a Protruded Surface Heat Exchanger Tube". [doi:10.1016/j.expthermflusci.2015.10.014] *Experimental Thermal & Fluid Science*, 71, 42-51.

Co-authors: Kumar, P., Kumar, A., Chamoli, S.,



**Rudranath Banerjee, FIE**

**Title of Paper:** "Vessel Stern Feasibility and Grillage Design for Float-Over Deck Loadout Operation", *International Conference on Ship & Offshore*

*Technology (ICSOT India: Coastal & Inland Shipping), Royal Institute of Naval Architects (RINA), London in association with Indian Institute of Technology Kharagpur held at IIT, Kharagpur, India, December 10-11, 2015.*



**Sudip Banerjee, MIE**

**Title of Paper:** "Analysis of VOC Methodology to Improve Process Capability through DMADA Six Sigma Tool- An Industrial Case Study", *National Conference on Statistical and Analytical*

*Methods in Production & Industrial Engineering (SAMIEPIE, 2016), PEC University of Technology, Chandigarh, March 11-12, 2016.*

**Dr. Asim Kumar Mishra, MIE**

**(a) Title of Paper:** "Determination of Material Parameters of FRP Plates With Rotational Flexibility at Boundaries Using Experimental Modal Testing and Model Updating", *Experimental Mechanics Vol. 55, Issue 5, 2015, pp 803-815.*

Co-author: Sushanta Chakraborty

**(b) Title of Paper:** "Development of a Finite Element Model Updating Technique for Estimation of Constituent Level Elastic Parameters of FRP Plates", *Applied Mathematics and Computation Vol. 258, 2015, pp 84-94.*

Co-author: Sushanta Chakraborty

**(c) Title of Paper:** "Inverse Detection of Constituent Level Elastic Parameters of FRP Composite Panels with Elastic Boundaries using Finite Element Model Updating", *Ocean Engineering, Vol. 111, 2016, pp 358-368.*

Co-author: Sushanta Chakraborty



**Prof. Prachi D Mohite, MIE**

**Title of Paper:** "Special Electrical Machines for Renewable Energy", *Conference on Clean Energy, Renewable Energy and Energy Conservation and Exhibition organised by The*

*Institution of Engineers (India), Nagpur Local Centre, held during March 5-6, 2016 at Nagpur.*

**Jagabandhu Das, AMIE**

**(a) Title of Paper:** "Design and Development of Multiple Antenna based System for RADAR Applications", *IEEE International Microwave and RF Conference (IMARC), Hyderabad, India, December 10-12, 2015, pp 143 - 146.*

Co-author: P. Venkateswaran

**(b) Title of Paper:** "Implementation of HASPA Algorithm for Multiple Antenna based RADAR Signal Processing", *IEEE International Conference on Microelectronics Computing and Communication, NIT Durgapur, India, January 23-25 2016. (Best Paper Award in MICROCOM 2016).*



**Rajkumar S. Sirsam, MIE**

**Title of Paper:** "Preparation and Characterization of Sulfonic Acid Functionalized Silica and Its Application for the Esterification of Ethanol and Maleic Acid", *Journal of The Institution of Engineers (India) : Series-E, Vol. 97, Issue: 1, 2016, pp 75-80.*

**Mrs. P. Veenasheela Rao, MIE**

**Title of Paper:** "Control & Instrumentation in Steel Industries", *2nd International Conference on Advances in Steel, Power and Construction Technology, organized by O.P. Jindal University, Raigarh, Chattishgarh, March 17-19, 2016.*

Co-author: Mr. Syed Aatif Gulrez



**Sharun Mendonca, AMIE**

**Title of Paper:** "Design of a Model of Power Generation System using Kites", *IJSRD – International Journal for Scientific Research & Development, Vol. 4, Issue 01, 2016, ISSN (online): 2321-0613.*

# Publications by

# Members



**N. Kumutha, AMIE**

**Title of Paper:** "Reduction of Interference Between Two Neighbouring Antennas by a Modulated Metasurface", *IEEE International WIE Conference n Electrical and Computer Engineering 2015 (IEEE WIECON-ECE 2015)*, BUET, Dhaka, Bangladesh December 19-20, 2015.

**Dr. Mohan Kumar Pradhan, AMIE**



**(a) Title of Paper:** Title of Paper: "Multi-Objective Optimization of Electrical Discharge Machining Processes Using Artificial Neural Network", *Jordan Journal of Mechanical & Industrial Engineering*, Vol.10, Number 1, 2016.

Co-author: Anitha, J and Raja Das

**(b) Title of Paper:** "Effect of Injection Moulding Process Parameter on Tensile Strength of Using Taguchi Method", *International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering*, Vol: 9, No:10, 2015.

Co-author: G Singh



**Dr. S. Madhava Reddy, MIE**

**(a) Title of Paper:** "A Review on Advanced Lithography Techniques for Advanced Materials", *International Conference on Civil, Mechanical Engineering Technologies-2016 (ICCMEET 2016)*, organised by SVS College of Engineering, Coimbatore, Tamil Nadu, India, during February 26-27, 2016.

**(b) Title of Paper:** "Optimization of Production by using AGV's and Automatic Tool Changer", *National Conference on Operations Research and Management - A Strategy towards Competitive Advantage (NCORM-2016)*, CBIT Hyderabad, Telangana, January 28-29, 2016.

**Abdullah Anwar, AMIE**

**(a) Title of Paper:** "Assessment of Liquefaction Potential of Soil using Multi-Linear Regression Modelling", *IJCET: International Journal of Civil Engineering and Technology*, ISSN (Print): 0976-6308, Vol.7, Issue 1, Jan-Feb 2016, pp 373-415 [ISSN(Online): 0976-6316].



Co-author: Sabih Ahmad, Yusuf Jamal and M.Z. Khan

**(b) Title of Paper:** "Re-Process of Ceramic Waste for Amplification of Eco-Efficient Concrete", *International Journal of Advances in Sciences, Engineering and Technology (IJASEAT) in association with IRAJ Journals*, ISSN (Print): 2321-9009, Vol.4, Issue 1, January 2016, pp 170-174.

Co-author: Sabih Ahmad, Syed Mohd. Ashraf Husain, Bilaluddin Ahmad



**Soumyadeep Samonto, AMIE**

**(a) Title of Paper:** Transformer protection by using FL Based Artificial Intelligent Buchholz relay against incipient faults, *International Journal of Engineering Science and Technology*, Vol. 8 No.03, pp. 29-36, March 2016.

Co-author: Sagarika Pal, Subrata Banerjee, Bishal Sarkar

**(b) Title of Paper:** Over Current protection by using FIS based AI breaker for single phase LT consumer, *International Journal of Electrical Engineering & Technology*, Volume 6, Issue 9, Nov-Dec, 2015, pp.18-27.

Co-author: Sagarika Pal, Bishal Sarkar



## Rajesh Kumar, MIE

**Title of Paper:** Time Management in BOT Road Project through Effective Implementation of Project Management Process- A Case Study, *Energy, Infrastructure and Transportation Challenges and Way Forward (Conference Proceedings of International Conference on Management of Infrastructure 2016), College of Management & Economics Studies, University of Petroleum and Energy Studies, Dehradun, 4-6 February, 2016, ISBN: 978-194343889-1.*



## Gopal Sonai Muthu, MIE

**Title of Paper:** Tissue matching index - A quantitative score for donor selection in organ transplantation, *Indian Journal of Organ Transplantation, Vol 9, 2015, p 59, 26th Annual conference of the Indian society of Organ Transplantation, Hotel Leela Palace, Chennai, 2-4 October 2015, doi:10.1016/j.ijt.2015.09.033.*



## K.Vaidehi, AMIE

**(a) Title of Paper:** "Content based Benign and Malignant Mass Mammograms Retrieval", *International Journal of Applied Engineering Research (ISSN: 0973-4562), Vol.9 (21), 2015, pp. 4980-4984.*



Co-author: T. S. Subashini

**(b) Title of Paper:** Automatic Characterization of Benign and Malignant masses in Mammography, *Elsevier-Procedia Computer Science (ISSN: 1877-0509), vol.46, 2015, pp 1762-1769.*

Co-author: T. S. Subashini

## Devendra Pratap Joshi,

**Title of Paper:** "Energy Conservation and Use of Renewable Energy", *31st National Convention of Electrical Engineers and National Seminar on Renewable Energy and Green Technology for Sustainable Development, The Institution of Engineers (India), Madhya Pradesh State Centre, October 17-18, 2015.*



## Rajeev Namdeo, MIE



**Title of Paper:** "Enhancing the Product Life of Automobiles by Managing Maintenance Crisis in Developing Countries", *International Journal of Condition Monitoring and Diagnostic Engineering Management, Brisbane, Australia, Vol.18(4), 2015, pp 3-9.*

## S. Kannadhasan, MIE

**(a) Title of Paper:** "Design and Development of T-Shaped Antenna for Various Applications", *IEEE Sponsored 3rd International Conference on Innovations in Information Embedded and Communication Systems (ICIIECS 16), Karpagam College of Engineering, Coimbatore, March 17-18, 2016 and Proceedings published for IEEE Digital Xplore with ISSN No. 978-1-4673-8208-3.*



Co-author: Dr.A.C.Shagar

**(b) Title of Paper:** "Channel Allocation with Various Schemes to Handle Handoff in Wireless Mobile Network", *International Journal for Scientific Research & Development| Vol.3, Issue 07, 2015, ISSN (online): 2321-0613.*

Co-author: R. Ragavendra

# Publications by

# Members

## Priyanka Dadhich, AMIE

**Title of Paper:** "Detection of Slanders Through Euclidean Distance Similarity Assessment for Securing E-Commerce Agents in P2P Decentralized Electronic Communities", *International Journal of Security and Networks*, Inderscience, Vol. 11, Issue:1/2, 2016, pp 48-65.

Co-authors: Dr. Kamlesh Dutta, Prof. M.C. Govil



## Soumojit Dasgupta, AMIE

**Title of Paper:** "Effects of Machining Parameters on Tool Life and its Optimization in Turning Mild Steel, *International Conference on Recent Trends in Engineering & Material Sciences*", School of Engineering & Technology and School of Life & Basic Sciences, Jaipur National University, March 17-19, 2016, ISBN 9789352542307.



## Sabih Ahmad, MIE

**(a) Title of Paper:** "Assessment of Liquefaction Potential of Soil using Multilinear Regression Modeling", *International Journal of Civil Engineering and Technology (IJCET)*, Vol. 7, Issue 1, Jan-Feb 2016, pp. 373-415 [ISSN (Print): 0976-6308 and ISSN (Online): 0976-6316].

**(b) Title of Paper:** "Determination of Liquefaction Potential by Sub-Surface Exploration using Standard Penetration Test", *International Journal of Innovative Science, Engineering and Technology*, Vol. 2, Issue 10, October 2015 (ISSN: 2348-7968).



## Ashish Mogra, AMIE

**(a) Title of Paper:** "Analysis of Wind Turbine Blade Having I Shaped Spar Using Both Epoxy Fiber and Carbon Fiber Using FEM", *International Conference on Materials Processing and Characterization, GRIET, Hyderabad, March 12-13, 2016*.

**(b) Title of Paper:** "Fabrication of Square Microchannel for Experimental Investigation of Two Phase Flow using Conventional Machining Process, *International Conference on Recent Trends in Engineering and Material Science, JNU, Jaipur, March 17-19, 2016*.



## Hemraj R Kumavat, AMIE

**(a) Title of Paper:** "Experimental Investigation of Flooding Problem – A Case Study on Arunavati River in Shirpur City by Total Station Survey", *International Journal of Civil Engineering and Technology (IJCET)*, ISSN: 0976-6316, Vol. 7, Issue 1, Jan-Feb 2016, pp 172-179.

Co-author: G V Tapkire

**(b) Title of paper:** "Application of Remote Sensing in Coastal Region – Case Study", *International Journal of Innovative Technology and Exploring Engineering (IJITEE)* ISSN: 2278-3075, Vol. 4, Issue 10, March 2015, pp 13-16.

Co-author: G V Tapkire



## K. Tharun Kumar Reddy, AMIE

**Title of Paper:** "An IoT based Remote Monitoring of Landfill Sites using RaspberryPi2", *2nd International Conference ICECIT-2015, Anantapur, Published by LNEE, Springer, December 2015*.





## Dr. G. Babu Rao MIE

**(a) Title of Paper:** "Cobalt (II) Removal from Aqueous Solutions by Adsorption Onto Molecular Sieves", *International Journal of Chemical Sciences*, ISSN 0972-768X, Vol.13, No.4, December 2015, pp 1893-1910.



Co-author: M.Krishna Prasad, Ch.V.R.Murthy

**(b) Title of Paper:** Development of Modeling Equations for the Removal of Nickel (II) from Aqueous Solutions, *International Journal of Chem Tech Research*, ISSN 0974-4290, Vol. 8, No.11, pp 200-210, December 2015.

Co-author: M.Krishna Prasad, Ch.V.R.Murthy

## Ashwath Rao, AMIE

**Title of Paper:** Ionizing radiation effects on electrical and reliability characteristics of sputtered Ta2O5/Si interface, *Radiation Effects and Defects in Solids: Incorporating Plasma Science and Plasma Technology*, Vol.170, Issue 6, 01 Sep 2015, pp 510-518.



## Prof. (Dr) Mohan Lal Aggarwal, MIE

**(a) Title of Paper:** "Optimization of Various Design Parameters for EN45A Flat Leaf Spring", *5th International Conference on Material Processing and Characterization, Organized by GRIET Hyderabad and MANIT Bhopal at GRIET Hyderabad, March 12-13, 2016.*



**(b) Title of paper:** "Experimental Investigation into the Effect on Noise and Damping using Composite Spur Gear", *5th International Conference on Material Processing and Characterization, Organized by GRIET Hyderabad and MANIT Bhopal at GRIET Hyderabad, March 12-13, 2016.*

## Jitender Grover, AMIE

**Title of Paper:** "Wireless Sensor Network in Railway Signaling System", *The IEEE International Conference on Communication Systems and Network Technologies (CSNT-2015)*, Shri Ram Group of Institutes, Gwalior, DOI-10.1109/CSNT.2015.28, pp 308-313, April 04-06, 2015.



Co-author: Anjali

## Rajkumar. P, AMIE

**(a) Title of Paper:** "Exergy Analyses of LiBr-Water Double Solar Vapor Absorption Refrigeration System Coupled using Condenser", *International Journal of Applied Engineering Research Vol. 10 No.68*, ISSN 0973-4562, pp 908-911.



Co-author: R.Shankar, T.Srinivas

**(b) Title of paper:** Increasing the Impact Testing of Wind Turbine Blade With Wire String, *International Journal of Applied Engineering Research Vol. 10 No.2* 0973-4562, pp 1730-1732.

Co-author: T.Augustin, V.Kannarasu, Hepsa Beaula

## Rajiv Sharma, MIE

**Title of Paper:** "Development of Indigenous Insulation Material for Superconducting Magnets and Study of its Characteristics under Influence of Intense Neutron Irradiation", *26th International Cryogenic Engineering Conference (ICEC) and International Cryogenic Materials Conference 2016 (ICMC) at Manekshaw Centre, New Delhi, March 7-11, 2016.*



Co-author: V. L. Tanna, C.V.S. Rao, Mitul Abhangi, Sudhirsinh Vala, Sundaravel, S. Varatharajan, S. Sivakumar, K. Sasi, S. Pradhan.

## National Conference on **MECHORIZON-16**

May 11, 2016

Organised by : **New Horizon College of Engineering**

Outer Ring Road, Panathur Post,  
Near Marathalli, Bangalore, PIN: 560 103  
Contact: 080-6629 7777 /  
nhceoffice@newhorizonindia.edu

## International Conference on **Emerging Trends in Design and Manufacturing for Sustainable Development**

Organised by : **Rajarambapu Institute of Technology,**

April 22-23, 2016

Islampur, Dist: Sangali,

Maharashtra, PIN: 415 414.

Contact: Dr. Mrs. S S Kulkarni (Director)  
+91 2342220329/ director@ritindia.edu

## Seminar on **Data Analytics and Research**

April 29-30, 2016

Organised by : **Kumaraguru College of Technology,**

Chinnavedam Patty (Post), Coimbatore,  
Tamilnadu, PIN: 641 049.

Contact: N. Rajathi (Principal) / 0422 2669401/ info@kct.ac.in

## National Conference on **Innovations in Concrete and Constructions**

April 30, 2016

Organised by : **Sona College of Technology**

Thagarajar Polytechnic College Road, Salem, PIN 636 005  
Contact: Dr. R Malathy, Prof. & Dean (R&D) 0427 4099999/  
info@sonatech.ac.in



# Programmes by Institutional Members

National Workshop on

## **Harnessing Open stack, Hadoop and Mongoddb Technologies to Architect and Build Big Data Solutions**

**July 2– 4, 2016**

*Organised by :* **KPR Institute of Engineering and Technology**  
Arasur, Coimbatore, Tamilnadu, PIN: 641 407  
Contact: Mr. S. Raguvaran, Mr. T. Rajsekaran  
(Coordinators)/ 0422-2635600

National Workshop on

## **LV Switchgear and Reactive Power Management Techniques**

**April 22–23, 2016**

*Organised by :*  
**PSG College of Technology**

Peelamedu, Coimbatore, Pin: 641 004  
Contact: Dr. L. Ashok Kumar,  
Dept of EEE / 09843281115 /  
smartaski@gmail.com

International Conference on

## **Global Colloquium in Recent Advancements and Effectual Researches in Engineering, Science & Technology**

**April 22–23, 2016**

*Organised by :*  
**St. Joseph's College of Engineering and Technology**

Palai, Choondacherry, Kottayam,  
Kerala, PIN: 686 579  
Contact: Dr. C J Joseph (Principal) /  
04822 239301/ info@sjcetpalai.ac.in



# Book Review



## Prof. R. Ananda Natarajan, FIE

**Digital Design** is a student friendly text book for learning digital electronic fundamentals and digital circuit design. It is suitable for both traditional design of digital circuits and HDL based digital design. This well organised and lucidly written text gives a comprehensive view of Boolean logic, logic gates and combinational circuits, synchronous and asynchronous circuit, memory devices, semiconductor devices and PLDs, and HDL programming. Numerous solved examples are given right after conceptual discussion to provide better comprehension of the subject matter. VHDL programs along with simulation results are given for better understanding of VHDL programming.

**Publisher:** PHI Learning Pvt Limited, Delhi

## C. P. Kumar, FIE

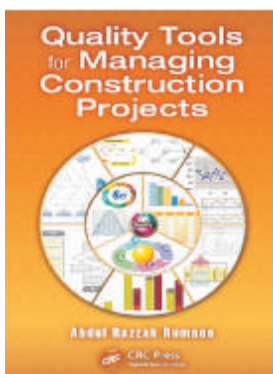
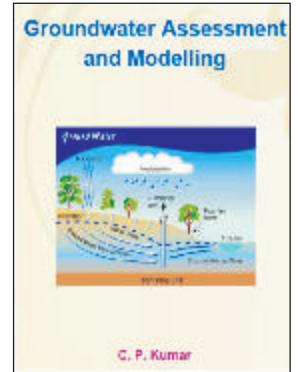
### Groundwater Assessment and Modelling

Groundwater development has shown phenomenal progress during past few decades. There has been a vast improvement in the perception, outlook and significance of groundwater resource. The unplanned groundwater development may result in fall of water levels, failure of wells, and salinity ingress in coastal areas. The development and over-exploitation of groundwater resources in many parts of the world have raised the concern and need for judicious and scientific resource management and conservation. This book "Groundwater Assessment and Modelling" is intended to provide a comprehensive treatise on assessment and modelling of groundwater. It presents the related aspects on assessment of groundwater potential, groundwater data requirement and analysis, basic concepts and guidelines for groundwater modelling, groundwater modelling software, modelling of unsaturated flow, modelling of sea water intrusion, and impact of climate change on groundwater resources. The book is expected to be quite useful for undergraduate and postgraduate students (water resources engineering), field engineers and researchers working in the area of assessment, development and management of groundwater resources.

**Publisher:** CreateSpace Independent Publishing Platform (An Amazon Company)

Online Availability of Book:

<http://www.amazon.in/Groundwater-Assessment-Modelling-C-Kumar/dp/1511520493>



## Dr. Rumane Abdul Razzak, FIE

### Quality Tools for Managing Construction Projects

Thoroughly researched and comprehensively written book providing in-depth information and guidelines on variety of Quality Tools used for the management of Construction Projects. As this book includes examples of detailed application of quality tools at various stages from Project inception to testing and handover, it is definitely going to serve as a highly useful guidebook for the practicing Engineers, Designers, and builders.

**Publisher:** CRC Press (A Taylor & Francis Group Company) Florida, USA

**Web link of the Book:** <http://www.crcpress.com/product/isbn/9781439838716>

<http://www.amazon.com/Management-Construction-Projects-Industrial-Innovation/dp/1439838712>



# Members

# Speak

It is indeed a very useful publication that takes the members closer to the Institution by providing information on various facets of the activities of its members.

Regards

**K. Raghavendran, MIE**

Congratulations on publishing the Epitome. It looks professional.

**Dr. Satyendra Singh, AMIE**

Professor and Ex-Director

University of Winnipeg, Canada

I am in receipt of soft copy of IEI Epitome and delighted to note improvements. I extend heartfelt appreciations to one and all involved in the process. I am sure with these sustained efforts IEI will reach more sections of society and contribute to nation building process besides improving of self esteem and pride among members.

**PV Narayana Rao, FIE**

National Centre for Biological Sciences

Tata Institute of Fundamental Research

On this very onset, I would like to congratulate all the team members of IEI in bringing this beautiful and colourful e-news letter named IEI Epitome. This is also a vital step towards saving of paper and helping our environment. In the era of internet, it was the need of hour. The published information is very concise and to the point, which is very important from the point of view of a reader.

**Subh Karan Choradia, MIE**

Sr. Divisional Engineer(E),

Damodar Valley Corporation (DVC), Maithon

Congratulations to the IEI team for deciding going from paper format to electronic form. This will help save environment. To make this more informative and interactive my suggest is to include short articles on technical and soft skills. In addition you can give URL of useful website which helps in skill enhancement of IEI members.

**Shafik Ahmad, FIE**

AGM, Secure Meters Ltd., Udaipur

Glad to receive IEI-Epitome. Note-worthy and Praise-worthy efforts of IEI. I am sure this would be helpful to get members connected well. Email of the members in the news may be indicated (with permission) in the same.

**Krishna Nirmalya Sen, FIE**

Head, EHS

Larsen & Toubro Limited

Metallurgical & Material Handling IC

Congratulation on bringing out the online version of IEI Epitome. It is really a very good forum to share and know about fellow members who have done wonders and have been recognized.

**Aruna Devi, MIE**

Prop. Surabhi Softwares, Mysore

Mg. Partner – Premier Polymers, Mysore

Mg. Partner – National Nylon Fabrics, Mysore

I feel happy to have seen epitome issues online. I congratulate you and your team for efforts put up for useful coverage.

**Dr S V Vaishnav, FIE**

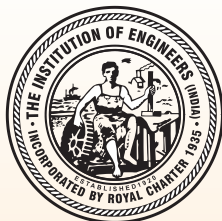
Such news may motivate the youngsters to rekindle their positive hidden talents.

Thanks & all the Best,

**Prof(Dr) S C Naik, FIE**

Past President, The Institution of Engineers (India)

# Announcement



## The Institution of Engineers (India)

8, Gokhale Road, Kolkata 700020

### Approval of AICTE for AMIE Passouts with M.E./M.Tech for Teaching Assignments

It is hereby informed that All India Council for Technical Education (AICTE), through Extraordinary Gazette notification, part III, Section 4 published by Government of India on 06 January 2016, clarified under item (E) Miscellaneous Issues, S.No. 67, page 31 (in Hindi, Page 12, S. No.67) that passing Sections A & B examinations (AMIE), along with M.E./M.Tech degree acquired through contact mode (i.e. regular/part time), is accepted for the appointment as a faculty in Technical Education.

Ref:[http://www.aicte-india.org/downloads/clarification\\_2016.pdf#toolbar=0](http://www.aicte-india.org/downloads/clarification_2016.pdf#toolbar=0)

Issued by  
Secretary & Director General Incharge  
for and on behalf of The Institution of Engineers (India)

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**IEI** epitome

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