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Members in the News



Dr. Ambresh P. Ambalgi, MIE

Assistant Professor of Electronics, Mangalore University, Mangalore

1. Received Best Paper Award for the paper titled "Experimental Study on Multiband Arrow Shape Patch Antenna with Inverted V-SLOT" in International Conference on Science & Engineering Research 2015 organised by Nanyang

Technological University at Nanyang Executive Centre, Singapore during November 17-18, 2015.

2. Received Best Paper Award for the paper titled "Inset Fed Microstrip Antenna for Wireless Communication Using HFSS," in Delta-National Conference on Emerging Trends in Engineering, Research & Management 2016 organised by Department of Electronics & Communication Engineering of G.M. Institute of Technology at Davangere, Karnataka during September 23-24, 2016.



Dr. S. Venkata Mohan, FIE

Principal Scientist, Bioengineering and Environmental Sciences, CSIR-Indian Institute of Chemical Technology, Hyderabad

Awarded with the prestigious 'Shanti Swarup Bhatnagar Prize' in Engineering Sciences for his outstanding contributions in the area of generating wealth from waste

leading to establishment of a viable link between waste remediation, renewable energy and third generation biofuels on the occasion of CSIR - Platinum Jubilee Foundation Day Celebration held on September 26, 2016. He received the award from Dr. Harsh Vardhan, Honourable Minister, Ministry of Science and Technology & Earth Sciences of Science and Technology in presence of Dr. Girish Sahni, Director General, CSIR and Mr. Y. S. Chowdary, Minister of State, Ministry of Science and Technology & Earth Sciences.

Dr. O. P. Rahi, FIE

Associate Professor, Electrical Engineering Department, National Institute of Technology Hamirpur, Himachal Pradesh

1. Delivered an expert talk on "Opportunities and Challenges in Development of Hydro Power in India" to the faculty and students of Jawaharlal Nehru Government Engineering College Sundernagar, H.P. on April 30, 2016.



2. Chaired a Technical Session in National Conference on Advancements in Electrical Engineering and Energy Sciences 2016 organized by Electrical Engineering Department, National

Institute of Technology Hamirpur during 24-25 May, 2016. He has also delivered a plenary lecture on the topic "Challenges and Opportunities in Sustainable Hydropower Development in India" on May 25, 2016 during the Conference.



Dr. Wooday P. Krishna, FIE

Council Member, The Institution of Engineers (India) & Techno-Legal Expert

Included in Asia Pacific Who's Who 2016. He has also been re-elected as the National President of the Indian Institution of Production Engineers for the term 2016-2017.



Mr. Krishna Nirmalya Sen, FIE

Head, EHS, Larsen & Toubro Limited, Metallurgical & Material Handling IC, Technopolis, Kolkata

Elected to the Board of Governors of Indian Association for Productivity, Quality & Reliability on September 28, 2016 for the term 2016-2018.



Dr. Kalyan Kumar Singh, FIE

Department of Mechanical Engineering, Indian Institute of Technology Dhanbad

Invited by a German Company Zwick/Rolls to attend the International Forum of Material Testing Program from October 10-13, 2016 at Ulm (Germany). Company has invited him to share his knowledge in the field of materials testing-both in research & development and quality assurance.

Dr. Prabhudev M. S., MIE

HoD, Department of Mechanical Engineering, Government Polytechnic, Kalgi, Gulbarga, Karnataka

1. Delivered a keynote speech on "Aluminium-The Green Metal" during International Conference on Design, Manufacturing and Mechatronics 2016 organised by Trinity College of Engineering and Management Research, Pune on February 20, 2016.



2. Delivered lectures on (a) "Research Publications" and (b) "Funding Agencies & Research Collaborations" during the National Workshop on Improving Quality of Engineering Institutes towards

National Development through Research Activities organized by KJEI's Trinity College of Engineering and Research, Pune in association with Savitribai Phule Pune University and Indian Society for Technical Education during February 29 - March 01, 2016.

Members in the News



Dr. Amitava Chatterjee, FIE

Professor, Electrical Engineering Department, Jadavpur University, Kolkata

1. Acted as a Jury Member for the final round of "South Asia IET Present around the World 2016" organized by IET YPS Kolkata Local Network at

Kolkata on August 21, 2016.

2. Delivered a lecture on "Infrared Imaging of Hand Vein Pattern based Biometric Solution using Collaborative Representation Based Classification" during the Workshop on Soft Computing Driven Recent Advancement in Condition Monitoring of Electrical Equipment organized by Department of Electrical Engineering, Indian Institute of Engineering Science and Technology, Shibpur, Howrah on September 21, 2016.

3. Delivered keynote lecture on the topic "Spoofing and Anti-Spoofing in Biometrics: Challenges and Solutions" on September 23, 2016 during 4th International Conference on Advanced Computing, Networking and Informatics 2016 organized by Centre for Computer Vision and Pattern Recognition, National Institute of Technology Rourkela, Odisha.



Mr. Girish Singhai, MIE

Chartered Engineer - Government Registered Valuer, Consulting Engineer (Civil & Structure)

Received National Award as 'Eminent Engineer' 2016 from Association of Consulting Civil Engineers, India.



Dr. Manne Suneetha, FIE

Professor and Head, Department of Information Technology, V R Siddhartha Engineering College, Vijayawada

Invited as the Chief Guest for the Inaugural Session of the Faculty Development Program on 'E-Content Generation' organised by Andhra Loyola College (Autonomous), Vijayawada during October 24-29, 2016 and acted as a resource person by Andhra Loyola College. She has also delivered a lecture on the topic "Preparation of Video Lessons from the Syllabus".



Mr. P. C. Sanghi, FIE

Managing Director, Thycon India Pvt. Limited, Director, SP International Consultancy Engineering Services Company

Graced the position as Assistant Governor in Rotary International District 3052 for the year 2016-17.



Prof. B. B. Patil, MIE

Faculty, MED, KLS VDRIT, Haliyal, Karnataka

Coordinated the Workshop on 'R2I' organised by IEI Students Chapter (Mechanical Engineering) of VDRIT, Haliyal during October 22-23, 2016.



Mr. Vijai Kumar Sharma, FIE

Mr. Vijai Kumar Sharma was interviewed by Alumniportal Deutschland and the same was published in Annual Report of Alumniportal Deutschland for the year 2015.



Mr. Tribeni Roy, AMIE

PhD Research Scholar, Homi Bhabha National Institute, Bhabha Atomic Research Centre, Anushaktinagar, Mumbai

Selected for Poster Presentation on the topic "Pulsed Electric Field Based Material Removal in Micro Electrical Discharge Machining" in COMSOL Conference 2016 organised by COMSOL Multiphysics at Hotel Movenpick, Bangalore during October 20-21, 2016.

Mr. G. S. Khuntia, FIE

Former Council Member, IEI, Director, OMC Ltd and Vice Chairman, MGMI, Bhubaneswar

Organized All India Seminar on Status of Iron Ore Mining for Steel Industries of India & Challenges in Raw Materials Resource Development by 2030 - Constraints & Remedial Measures organised by The Institution of Engineers (India) Odisha State Centre at Bhubaneswar during September 30 - October 1, 2016.

Publications

by Members



Dr. Jitendra Kumar, MIE

Professor, Department of Mechanical Engineering, Sagar Institute of Science and Technology, Bhopal

Title of Paper: "Development of a Novel Lot Sizing Model with Variable Lead Time in Supply Chain Environment", *Journal of Optimization in Industrial Engineering*, September 15, 2016.

Co-authors: Nirjhar Roy, Ali Mostafaeipour, Kasra Mohammadi



Mr. Sachin Ganpatrao Ghalme, MIE

Assistant Professor, Department of Mechanical Engineering, SCSM College of Engineering, Ahmednagar

1. Title of Paper: "Parameter Optimization in Milling of Glass Fiber Reinforced Plastic using DOE Taguchi Method", *Springer Plus*, Vol. 5:1376, August 2016, pp. 1-9.

2. Title of Paper: "Optimization of Wear Loss in Silicon Nitride (Si_3N_4)–Hexagonal Boron Nitride (hBN) Composite using DoE–Taguchi Method", *Springer Plus*, Vol. 5:1671, September 2016, pp. 1-12.



Dr. N. Subramanian, FIE

Consulting Engineer, Maryland, USA

1. Title of Paper: "Experimental Investigations on the Structural Behaviour of a Distressed Bridge", *Structural Engineering and Mechanics*, Vol. 56, No. 4, November 2015, pp. 695-705.

Reprinted in *New Building Materials & Construction World*, Vol. 22, No. 3, September 2016, pp. 134-144.

Co-authors: M. A. Dar, A. R. Dar, J. Raju

2. Title of Paper: "Futuristic Composite Bridges", *The Bridge and Structural Engineer, Journal of Indian National Group of The International Association for Bridge and Structural Engineering*, Vol. 46, No.2, June 2016, pp. 1-11.

3. Title of Paper: "Developments in Tall Steel Buildings", *New Building Materials & Construction World*, Vol. 21, No. 10, April 2016, pp.72-96.

Mr. Ch Viswanadham, FIE

SDGM, D&E/RF&MWP



Title of Paper: "Experimental Results of Site Calibration and Sensitivity Measurements in OTR for UWB Systems", *Journal of The Institution of Engineers (India): Series B*, August, 2016, DOI: 10.1007/s40031-016-0270-4.

Co-author: P. Mallikarjuna Rao



Mr. Fateh Pal Singh, MIE

1. Title of Paper: "A Study of Mechanical Properties on Tig Welding at Different Parameters with and without use of Flux", *HCTL Open International Journal of Technology Innovations and Research*, Vol. 16, July 2015.

2. Title of Paper: "A Literature Review on Fusion Joining of Similar and Dissimilar Materials by Microwaves", *International Journal for Scientific Research & Development*, Vol. 3, Issue 05, August 2015, pp. 44-47.

3. Title of Paper: "Review on Microwave Sintering over Conventional Sintering of Different Material", *Journal for Scientific Research & Development*, Vol. 3, Issue 06, September 2015, pp. 161-163.



Dr. Ambresh P. Ambalgi, MIE

Assistant Professor of Electronics, Mangalore University, Mangalore

1. Title of Paper: "Novel Compact Circular Patch Antenna Embedded with Rhombus Slot for 1 GHz -15 GHz Frequency Range", *International Journal of Advanced Research in Computer Science and Software Engineering*, Vol. 5, No. 5, May 2015, pp. 1048-1050.

Co-author: Sujata A. A.

2. Title of Paper: "Coaxial Fed Microstrip Slotted Patch Antenna for Wideband Applications", *International Journal of Advancement in Engineering Technology, Management and Applied Science*, Vol. 03, No.01, May 2016, pp.271 -274.

Publications

by Members



Dr. V. Sivachidambaranathan, AMIE

Department of Electrical & Electronics Engineering, Sathyabama University, Chennai

1. Title of Paper: “Bidirectional Buck Boost Converter Fed DC Drive”, *Springer - Artificial Intelligence and Evolutionary Computations in Engineering Systems*, Vol. 394, February 2016, pp. 1195 - 1203.

Co-author: P. Karthikeyan

2. Title of Paper: “FPGA Based Real-Time Image Segmentation for Medical Systems and Data Processing”, *Indian Journal of Applied Research*, Vol. 6, Issue 1, January 2016, pp. 214-220.

Co-authors: L. Pattathurani, Rajat Kumar Dwibedi

3. Title of Paper: “Multiport Bidirectional Dual Active Bridge DC – DC Converter for Renewable Generation Systems”, *Proceedings of International Conference on Emerging Novelties & Vistas in Space Technology & Applications* organised by Sathyabama University in association with Indian Space Research Organisation (ISRO) at Bangalore during February 25-27, 2016.

Co-author: Dimple Sathesh Kumar S



Dr. Nageswara Rao Pasumarththy, FIE

Title of Paper: “Compact Single Feed Circularly Polarized Koch Island Microstrip Antenna”, *International Journal of Electronics and Communications*, Vol. 70, Issue 11, 2016, pp. 1543-1550,

DOI: 10.1016/j.aee.2016.09.011.

Co-author: Yagateela Pandu Rangaiah



Mr. Anurag K. Jain, AMIE

Title of Paper: “Comparative Study on Strengthening of RC Beam in Flexure using CFRP & GFRP: A Review”, *International Journal of Science Technology & Engineering*, Vol. 2, Issue 07, January 2016, pp. 129-132.

Ms. Kusum Sharma, AMIE



1. Title of Paper: “Matlab Codes (Qbody) to Study Attenuation of Seismic Body-waves”, *International Journal of Advanced Research*, Vol. 4 (1), January 2016, pp. 101-117.

Co-authors: Renu Bala, Arjun Kumar, Rohtash Kumar

2. Title of Paper: “Green Computing”, *International Journal of Advanced Research*, Vol. 4 (9), September 2016, pp. 481-483.

Co-author: Rajeev Sharma

3. Title of Paper: “Digital India: Mission Transformative in Totality by 2020”, *International Journal of Advanced Research in Computer & Communication Engineering*, Vol. 5, Issue 9, September 2016.

Co-authors: Kushagra Sharma, Rupika Rana



Dr. M. K. Pradhan, MIE

Assistant Professor, Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal

Title of Paper: “Morphology and Mechanical Properties of Sisal Fiber and Nano Cellulose Green Rubber

Composite: A Comparative Study”, *International Journal of Plastic Technology*, Vol. 20, Issue 2, September 2016, pp. 338-400, DOI: 10.1007/s12588-016-9161-4.

Co-author: Mohit Jain

Mr. Raza Ahmed Khan, FIE

Title of Paper: (a) “Energy Conservation in HVAC Systems Design of a Green Building in Hyderabad” and (b) “Impact of HVAC System on the Occupants of an Office Building in Hyderabad”, *Proceedings of International Conference on Emerging Trends in Mechanical Engineering* organised by Department of Mechanical Engineering, Faculty of Science & Technology, The ICFAI Foundation for Higher Education at Hyderabad during September 23-24, 2016.



Co-authors: (a) M. Ishaq, M. A. Majeed

(b) M. Jabbar, M. A. Majeed

Publications

by Members



Mr. Suda Vijaya Bhaskar Reddy, MIE

Professor & Head, Department of Civil Engineering, CMR Technical Campus, Hyderabad

1. Title of Paper: "Experimental Studies on Compressive Strength of Ternary Blended Concretes at Different Levels of Micro Silica and GGBS", *Elsevier Materials Today, Proceedings of International Conference on Materials Research and Applications* organised by CMR Technical Campus at Hyderabad during March 11-13, 2016, pp. 11-13.

Co-author: Dr. P. Srinivasa Rao

2. Title of Paper: "Effect of Mineral Admixtures (Micro Silica Ad GGBS) on Compressive Strength of Ternary Blended Concrete", *i-manager's Journal on Structural Engineering*, Vol. 05, No.1., March-May 2016, pp. 26-35.

Co-author: Dr. P. Srinivasa Rao



Dr. P. Krishna, MIE

Professor, Department of Electrical and Electronics Engineering, Nalla Malla Reddy Engineering College, Hyderabad

1. Title of Paper: "Reduction of Ripple Torque in Brushless DC Motor during Commutation using Modified SEPIC Converter", *International Journal of Scientific Engineering and Technology Research*, Vol. 05, Issue 11, May 2016.

2. Title of Paper: "Estimation and Improvement of Voltage Quality using RES Fed FACTS Device", *International Journal of Scientific Engineering and Technology Research*, Vol. 5, Issue 9, September 2016.

3. Title of Paper: "Improved Performance of Micro Grid by Resistive Type SFCL and PMSM", *International Journal of Research*, Vol. 03, Issue 13, September, 2016.



Mr. Sita Ram Bhardwaj, AMIE

PhD Scholar, Electrical Engineering Department, National Institute of Technology Hamirpur, HP

1. Title of Paper: "Performance Analysis of Slip Power Recovery Scheme Employing Two Inverter Topologies", *Proceedings of Michael Faraday IET International Summit 2015* organised by The Institution of Engineering and Technology at Kolkata during September 12-13, 2015, Vol. 2, pp. 356-361.

Co-authors: O. P. Rahi, V. Sharma, A. Kumar

2. Title of Paper: "Chopper Controlled Slip Power Recovery Scheme Enhance the Performance of Induction Motor Drive", *National Conferences on Advancements in Electrical Engineering and Energy Sciences* organised by National Institute of Technology Hamirpur during May 24-25, 2016.

Co-authors: O. P. Rahi, Veena Sharma, P. P. Sharma

3. Title of Paper: "Analysis of Induction Motor Drive using Buck-Boost Controlled Slip Power Recovery Scheme", *Proceedings of IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems* organised by Delhi Technological University at Delhi during July 4-6, 2016, Vol. 1, pp. 1985-1990.

Co-authors: O. P. Rahi, Veena Sharma

Dr. Prabhudev M. S., MIE

HoD, Department of Mechanical Engineering, Government Polytechnic, Kalgi, Gulbarga, Karnataka



Title of Paper: "Influence of Combined Addition of Boron and Strontium on High Temperature Wear Behavior of A356 Alloy", *Tribology Transactions*, (Taylor & Francis), Vol. 59, No. 1, 2016, pp. 1-17, DOI:10.1080/10402004.2015.1024908.

Co-authors: V. Auradi, K. Venkateswarlu, S. A. Kori

Publications

by Members

Mr. K. S. Raghu Ram, MIE

Associate Professor, Department of Mechanical Engineering, Vignan's Institute of Information Technology, Visakhapatnam

- Title of Paper:** "Experimental Analysis of Stress, Strain and Deformation on Different Types of Conveyor Belt Pulleys: An Analysis Conducted at Visakhapatnam Steel Plant", *Australian Journal of Basic and Applied Sciences*, Vol. 10, Issue 1, January 2016, pp. 715-719.



- Title of Paper:** "Applicability of Rule of Mixtures to Metal Matrix Particle Composite Material", *Australian Journal of Basic and Applied Sciences*, Vol. 9, Issue 36, December 2015, pp. 509-513.

- Title of Paper:** "Process Characterization of Ni-Cr Electroplating on Mild Steel", *International Review of Applied Engineering Research*, Vol. 5, Issue 5, November 2015, pp. 11-26.

Dr. O. P. Rahi, FIE

Associate Professor, Electrical Engineering Department, National Institute of Technology Hamirpur, Himachal Pradesh

- Title of Paper:** "Performance Analysis of Slip Power Recovery Scheme Employing Two Inverter Topologies," *Proceedings of Michael Faraday IET International Summit 2015*, organised by The Institution of Engineering and Technology at Kolkata during September 12-13, 2015.



- Title of Paper:** "Integrated Tuning of PID-Derivative Load Frequency Controller for Two Area Interconnected System via IMC," *Proceeding of IEEE International Conference on Recent Advances in Engineering and Computational Sciences* organised by University Institute of Engineering and Technology, Panjab University at Chandigarh during December 21-22, 2015.

- Title of Paper:** "Economic Analysis for Refurbishment and Upgrading of Hydro Power Plants", *Elsevier Journal on "Renewable Energy"*, Vol. 86, February 2016, pp. 1197-1204.

Ms. Amritha Ajeej, MIE



- Title of Paper:** "Co-digestion of Sewage Sludge from Municipal Wastewater Treatment Plant and Waste Paper", *Caledonian Journal of Engineering*, Vol. 11, No. 1, January-June 2015, pp. 33-38.

Co-authors: Joseph V. Thanikal, C. M. Narayanan

- Title of Paper:** "Studies on the Feasibility of Co-Digestion of Sewage Sludge, Wastepaper and Waste Grown Algae to Enhance the Production of Biogas", *Proceedings of Golden Jubilee International Conference Recent Developments in Chemical and Biochemical Engineering* organised by National Institute of Technology Durgapur at Durgapur during October 2-4, 2015, pp. 138.

Co-authors: Joseph V. Thanikal, C. M. Narayanan

- Title of Paper:** "Studies on Production of Biogas by Co-Digestion of Sewage Sludge, Wastepaper and Waste Grown Algae", *Journal of Modern Chemistry & Chemical Technology*, Vol. 7, No. 1, 2016, pp. 74-81.

Co-authors: Joseph V. Thanikal, C. M. Narayanan

Mr. Tapobrata Sanyal, FIE



- Title of Paper:** "Laboratory Simulation Study of Bituminized Jute paving Fabric for its Commercialization and Potential Application in Road Constructions", *Indian Highways, Indian Roads Congress*, Vol. 44, Issue 9, September 2016.

Co-authors: Swapan Kumar Ghosh, Abhisek Mittal

- Title of Paper:** "Case Studies on Application of Jute Geotextiles for River Bank Protection", *Indian Journal of Geosynthetics & Ground Improvement*, Vol. 5, No. 2, July 2016.

Co-authors: M. Das, S. Khanra

- Title of Paper:** "Designing and Engineering of Jute Geotextile for Riverbank Protection & its Subsequent Implementation in River Phulahar", *Taylor & Francis Online, Journal of Natural Fibres*, Vol. 13, Issue 2, August 2016.

Co-authors: Swapan Kumar Ghosh, R. Bhattacharya

Publications by Members

Dr. Niraj Bala, MIE

Associate Professor and HoD (RIC), Mechanical Engineering Department, Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab

1. Title of Paper: "Study of Wear Behavior of Aluminium Based Micro and Nano Composites Fabricated by Stir Casting Technique", *International Journal of Technology and Computing*, Vol. 2, No.5, 2016, pp. 225-230.

Co-authors: P. S. Bhagrana, A. Singh

2. Title of Paper: "High-Temperature Oxidation Studies of Diamalloy 4700 Coating on SA 516 Boiler Steel", *International Journal of Engineering and Management Research*, Vol. 6, Issue 3 May-June 2016, pp. 161-163.



Co-authors: J. Singh, J. S. Ratol

3. Title of Paper: "Performance of HVOF Sprayed Ni based Coating on T22 Steel in Actual Boiler Environment", *Proceeding of International Thermal Spray Conference and Exposition* organised by ASM International's Thermal Spray Society at Shanghai, China during May 10-12, 2016, pp. 648-653.

Co-authors: H. Singh, S. Prakash

Dr. P. Raghuveer Rao, MIE

Principal Research Scientist, Department of Civil Engineering, Indian Institute of Science Bangalore



1. Title of Paper: "Evaluation of Distribution Coefficient of Vadose Zone Soil from Proposed Near-Surface Disposal Facility at Kalpakkam, India", *Environmental Earth Sciences*, Vol. 75:754, May 2016, DOI: 10.1007/s12665-016-5559-8.

Co-author: Dr. Sudhakar M. Rao

2. Title of Paper: "Role of Vadose Zone in Mitigating Strontium Transport at the Near-Surface Disposal Facility (NSDF) in Kalpakkam, India", *Bulletin of Engineering Geology and the Environment*, Vol. 75, Issue 4, November 2016, pp. 1485-1491, DOI: 10.1007/s10064-015-0772-3.

Dr. A. N. Ghazali, AMIE



Assistant Professor (II), School of Electronics Engineering, KIIT University, Bhubaneswar, Odisha

1. Title of Paper: "A Miniaturized Microstrip-to-CPW Transition based UWB-BPF with Sharp Roll-off and Minimum Insertion Loss", *Microwave & Optical Technology Letters*, Vol. 58, No. 2, February 2016, pp. 289-293.

Co-authors: Mohd Sazid, S. Pal

2. Title of Paper: "A Compact Broadband Balun based UWB-BPF with Minimum Insertion Loss and Sharp Selectivity", *Electronics Letters*, Vol. 51, Issue 15, July 2015, pp. 1174-1175.

Co-authors: Mohd Sazid, S. Pal

Mr. Santosh Kumar, MIE

Manager (Steel & Product), R & D Centre for Iron & Steel, Steel Authority of India Limited, Bokaro Steel Plant, Bokaro Steel City, Jharkhand

Title of Papers: (a) "Raw Material Quality: Impact on Cleanliness & Properties of High Strength Steel" and (b) "Efficient Management of Water Resource in Indian Steel Industry", *Proceedings of All India Seminar on Status of Iron Ore Mining for Steel Industries of India & Challenges in Raw Materials Resource Development by 2030, Constraints & Remedial Measures* organised by Institution of Engineers (India), Odisha State Centre at Bhubaneswar during September 30-October 01, 2016.



Mr. A. M. Shirole', PE, FIE

President, Association of Transportation Professionals of Indian Origin (ATPIO) and President & CEO, S & A Shirole', INC, Minneapolis, USA

Title of Paper: "US-India Bilateral Collaboration to Enhance Transportation - A Decade of Experience", *Elsevier, Case Studies on Transport Policy, Special Issue on 'Strategic Management of Global Cooperation in Transportation Research and Development'*, September 2016, DOI: 10.1016/j.cstp.2016.09.004.



Publications

by Members

Mr. Jibin T Philip, AMIE

M. Tech Scholar, Machine Design, Department of Mechanical Engineering, SAINTGITS College of Engineering, Kottayam, Kerala

- 1. Title of Paper:** "Synthesis and Characterization of Ceria, Ceria-Zirconia Hybrid and Surfactant Modified Hybrid Nanoparticles for Lubricant Applications", *International Journal of Advances in Production and Mechanical Engineering*, Vol. 2, Issue 5, 2016, pp. 50-58.



- 2. Title of Paper:** "Characterization of Ceria, Ceria-Zirconia Hybrid and Surfactant modified Hybrid Nano-particles Prepared by Co-precipitation Method", *Proceedings of National Conference on Energy and Sustainable Technologies* organized by Government Engineering College at Kozhikode during October 07-08, 2016, pp. 263-269.

Dr. Mahendra Pratap Choudhary, FIE

Associate Professor, Department of Civil Engineering, Rajasthan Technical University, Kota, Rajasthan



- 1. Title of Paper:** "Impact Assessment of Deteriorating Natural Wetlands on Migratory Birds in Kota, Rajasthan", *International Journal for Science and Advance Research in Technology*, Vol. 2, Issue 7, July 2016, pp. 442-447.

Co-author: Govind Singh Chauhan

- 2. Title of Paper:** "Assessing Ambient Air Quality of Kota City, Rajasthan in terms of Air Quality Index", *International Journal of Modern Trends in Engineering and Research*, Vol. 3, Issue 7, July 2016, pp. 213-221.

Co-author: Himanshu Gupta



Mr Satyendra Kumar Singh, FIE

- Title of Paper:** "Thermal Design Guidelines for Optimizing Shell-and-Tube Heat Exchangers", *Chemical Engineering*, Vol. 122, No. 2, February 2015, pp. 54-57.

Mr. R. M. S. B. Ratnayake, AMIE



- Title of Paper:** "Weapon Control system for an Autonomous Robot Using Image Processing and Artificial Neural Networks", *Scientific Research Journal*, Vol. IV, Issue IX, September 2016, pp. 9-10.

Dr. P. V. Durga Prasad, MIE

Associate Professor, M.V. S. R. Engineering College, Nadargul, Hyderabad



- 1. Title of Paper:** "Experimental Investigation on Enhancement of Heat Transfer using Al_2O_3 / Water Nanofluid in U-tube with Twisted Tape Inserts", *Elsevier (Science Direct), International Communications in Heat and Mass Transfer*, Vol. 75, July 2016, pp. 154 – 161.

Co-author: Dr. A. V. S. S. K. S. Gupta

- 2. Title of Paper:** "Comparative Study on Thermal Performance of Turbulators in Turbulent Flow using Al_2O_3 /Water Nanofluids in a U-Tube Heat Exchanger", *Proceedings of International Conference on Advances in Manufacturing & Thermal Engineering* organised by Athanasius College of Engineering at Kothamangalam, Kerala during February 08-09, 2016, pp. 59-72.

Dr. Manne Suneetha, FIE

Professor and Head, Department of Information Technology, V R Siddhartha Engineering College, Vijayawada



- Title of Paper:** "Business Intelligence Solutions for Processing Huge Data to the Business User's using Dashboards", *IEEE Xplore Digital Library, International Conference on Signal Processing, Communication, Power and Embedded System* organised by

Centurian University at Paralakhemundi, Odisha during October 03-05, 2016.

Co-author: Cherukuri Nanda Krishna

Members Speak

“

It is indeed a very useful publication that takes the members closer to the Institution by providing information on various facts of the activities of its members. I feel proud of my affiliating institution "The Institution of Engineers (India)" for giving such opportunity to all members of the engineering fraternity. I am sure this way, youngsters / the fresh graduating engineers / students would be activated to excel in their professional career and enjoy recognition by establishing connections with the Institution.”

Mr. Lalit Dixit, FIE

**Sr. Manager
Power Plant, Aarti Industries Limited
Jhagadia, Bharuch, Gujarat**

“

Thank you for all your effort in bringing out Epitome. Only after introduction of Epitome, we learn, the Institution is house to so many dignitaries and their achievements. Every edition of Epitome comes with lots of positivity and greatly inspires many young talents to be a better engineer. Keep up the great work.”

Mr. Hemanth Rajesh Ramanidu, AMIE

**Engineer, Broadcom
San Jose, California**

“

I am delighted to see the IEI Epitome newsletter covered the Members' achievement, latest publications & book review. I like to congratulate the highly qualified team for bringing out the IEI Epitome newsletter.”

Mr. Sugumanchi Venkateswarlu, AMIE

**Deputy Training Officer
Government Industrial Training Institute
Jammalamadugu, Kadapa**

Welcome to IEI

New Institutional Members

- **L N Malviya Infra Projects Private Limited**
Zone MP Nagar, Bhopal
- **Highway Engineering Consultant**
Saket Nagar, Bhopal
- **Bannari Amman Institute of Technology**
Erode District, Tamilnadu
- **G Narayanamma Institute of Technology and Science (for Women)**
Shaikpet, Hyderabad
- **Syed Ammal Engineering College**
Ramanathapuram, Tamilnadu
- **Kalasalingam University**
Virudhunagar District, Tamilnadu
- **B V D U College of Engineering**
Pune
- **Indian Institute of Engineering Science and Technology, Shibpur**
Shibpur, Howrah
- **Ujjain Engineering College**
Indore Road, Ujjain



31st INDIAN ENGINEERING CONGRESS

December 15-18, 2016

Theme:

**SMART Technologies for Natural Resource
Conservation and Sustainable Development**

Organized by:

The Institution of Engineers (India)

Hosted by: **West Bengal State Centre**

Venue :

Hotel J W Marriott

4A, J B S Haldane Avenue, Kolkata 700105, India

Contact : Organising Secretary, 31st Indian Engineering Congress,
The Institution of Engineers (India), West Bengal State Centre,
8 Gokhale Road, Kolkata 700020, Tel : 033-2223 8230/8914;
Fax : 033-22238345; email: ieckolkata@gmail.com

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IEI-epitome has been compiled in good faith by IEI, but no representation is made or warranty given (either express or implied) as to the completeness or accuracy of the information it contains. You are therefore requested to verify this information with the concerned person / organization before you act upon it.

IEI *epitome*

President : Mr H C S Berry

Editor : Maj Gen S Bhattacharya, VSM (Retd)

Associate Editor: Ms A Dutta

Special Contributors: Mr N Sengupta, Mr S Chaudhury, Mr K Sen, Dr S Ghosh, Mr T Chakraborty, Ms S Biswas Sett, Mr T K Roy, Ms H Roy, Mr S Bagchi, Ms P Nath

Telephones: 91-33-2223 8311/14/15/16

E-mail: newsletter@ieindia.org

Web: <http://www.ieindia.org>