

IEI Extone

April 2017, Volume 2, Number 4

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Members

in the News

Mr. Dinakar R. Mahajan, MIE

Deputy Engineer, Water Resources Department, Mechanical Organisation, Pune, Maharashtra

Presented two papers on the topics (a) "Radial Gate Disquiets due to Zinc Pouring" and (b) "Crack Opening of Emergency Gate: Real facts" at 3rd National Dam Safety Conference jointly organized by Central Water Commission, Indian Institute of Technology Roorkee and UJVN Limited at the campus of IIT Roorkee during February 18-19, 2017.



Dr. Wooday P. Krishna, FIE

Council Member, IEI and Working President, Karnataka Gandhi Smarak Nidhi



- Received 'S. Viswanath Award' for the vear 2017 from Mahatma Gandhi Memorial Trust, Mandya for propagating Gandhian Thought among the youth on March 12, 2017. The Award is instituted in the memory of Karnataka's former Engineer-in-Chief and Gandhian S. Viswanath. Dr. Krishna's name was finalized by the Award Selection Committee headed by former Minister and Gandhian Dr. G. Madegowda.
- Received coveted 'The Doyens Award of The Hindu Group' from noted educationist and Honorary General Secretary of Seshadripuram Group of Institutions, Bengaluru, in recognition of his exemplary commitment and impactful positive contribution to education in Karnataka at a special function held at Bengaluru on March 28, 2017.

Mr. K. Mohamed Nasar Mohideen, MIE

Quality Assurance Manager & MR (IMS), Arabian Industries Projects LLC, Muscat, Sultanate of Oman



- Became IRCA Registered Lead Auditor in Quality Management System from International Register of Certified Auditors (IRCA), UK since December 31, 2015.
- Awarded with the honours of Chartered Quality Professional (CQP MCQI) from Chartered Quality Institute, UK on September 26, 2016.

Dr. Ambresh P. Ambalgi, MIE

Assistant Professor, Department of Electronics, Mangalore University, Mangalore, Karnataka

Completed a research project funded by University Grants Commission (UGC), New Delhi under UGC BSR grant on the topic "Performance Enhancement of Microstrip Patch Antennas using Various Techniques" as the Principal Investigator. The research was conducted at the Department of Electronics, Mangalore University, Mangalore, Karnataka from 2014 to 2016.



Dr. Prabhudev M. S., FIE

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



Attended National Conference on 'Recent Developments in Mechanical Engineering 2017' organized by Department of Mechanical Engineering, G. H. Raisoni College of Engineering & Management, Pune, Maharashtra on February 10, 2017 as the Session Chair and the Guest at the Valedictory function.

Prof. (Dr.) Ajay Kumar, FIE

Director, Noida Institute of Engineering & Technology, Greater Noida, Uttar Pradesh

Successfully organized International Conference on 'Cutting Edge Technological Challenges in Mechanical Engineering 2017' at Noida Institute of Engineering and Technology, Greater Noida during February 18-19, 2017.



Prof. K. Chandra Shekar, FIE

Head, Department of Mechanical Engineering, Vignan Institute of Technology and Science, Deshmukhi, Hyderabad, Telangana



Delivered a talk on the topic "Continuous Fiber Reinforced Hybrid Composites - An Overview" during the National Level Workshop on 'Advanced Composite Materials' organized by Department of Mechanical Engineering, CMR Institute of Technology, Hyderabad during February 6-7, 2017.

Dr. Nabnit Panigrahi, MIE

Dean Research, Gandhi Institute for Technology, Bhubaneswar, Odisha

Received 'Gouri Sankar Sahu Memorial Award' for his paper titled "Energy and Exergy Analysis of CI Engine Fuelled with Biodiesel" from The Institution of Engineers (India), Odisha State Centre on the occasion of 58th Annual Technical Session held at Bhubaneswar on February 19, 2017.



Members in the News

Mr. D. Kesavaraja, AMIE

Assistant Professor, Department of Computer Science and Engineering Dr. Sivanthi Aditanar College of Engineering, Tiruchendur, Tamilnadu

- Delivered a talk on the topic "Advances in Intelligent Computing" at Department of Information Technology, Saradha College for Women, Tirunelveli on February 22, 2017.
- Delivered a talk on the topic "Big Data with Hadoop, HDFS & MAPREDUCE (Hands on Training)" at Department of Computer Science and Engineering, K. Ramakrishnan College of Technology, Trichy on March 04, 2017.



Mr. Prodyut Maji, MIE

Deputy General Manager, Coal to Liquid Project Adani Synenergy Limited, Ahmedabad, Gujarat

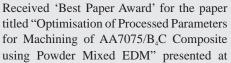
Delivered a talk on the topic "Environmental



Sustainability" at 28th International Exhibition & Conference 'Chemtech World Expo 2017' organized by Jasubhai Group & Chemtech Foundation at Bombay Convention & Exhibition Centre, Goregaon (East), Mumbai on February 15, 2017.

Mr. Vineet Dubey, AMIE

Faculty, Mechanical Engineering Department, Institute of Engineering and Technology, Lucknow, Uttar Pradesh





International Conference on 'Emerging Trends in Materials and Manufacturing Engineering' organized by Department Metallurgical and Materials Engineering, National Institute of Technology Tiruchirappalli at Hotel Breeze Residency, Tiruchirappalli during March 10-12, 2017. He has presented another paper titled "Study of Material Removal Rate in Powder Mixed EDM of AA7075/B₄C Composite" during the Conference.

Prof. (Dr.) Vijayan Gurumurthy Iyer, FIE

Professor & Dean (R & D), Narasaraopeta Engineering College, Guntur, Andra Pradesh

Awarded Honorary Doctorate of Letters by International



Biographical Centre, Cambridge, Great Britain for his lifelong contributions to the World Academic, Education, Research, Scientific, Engineering, Technology, Space and Management Communities through the Letters of the Laws on February 03, 2017.

Prof. (Dr.) C. M. Narayanan, MIE

Former Professor, Department of Chemical Engineering, National Institute of Technology, Durgapur, West Bengal



Attended the National Symposium on 'Zero Effluent Discharge Technologies 2017' hosted by Cochin University of Science and Technology (CUSAT) on March 08, 2017as the Chief Guest and delivered the Inaugural Plenary Lecture on "Zero Discharge through Effluent Utilization"

- Successful, Green, Low Cost Technologies".

Lt. Col. Vias Dev Gulati (Retd), FIE

Received 'Rashtriya Gaurav Award' from Dr. Bhishma Narain Singh, former Governor of Tamilnadu & Assam for his meritorious services, outstanding performance and remarkable role. The award was presented at the Seminar on 'Economic Growth & National Integration'



organized by India International Friendship Society at New Delhi on October 01, 2016.

Dr. C. H. Vithalani, FIE

Professor & Head, Electronics and Communication Engineering Department, Government Engineering College, Rajkot, Gujarat

Organised a Short Term Training Program on "To Make



Student Employable in the Field of Embedded System" at Electronics and Communication Engineering Department, Government Engineering College at Rajkot during February 20-24, 2017 and also delivered expert talk on the topic 'ARM Cortex M4 based System Design' at this program.

Members

in the News

Dr. Maulika S Patel, FIE

Professor & Head, Department of Computer Engineering, G H Patel College of Engineering & Technology, Vallabh Vidyanagar, Gujarat

- Received a grant of Rs 1,90,000/- from Gujarat Council on Science and Technology for the minor research project titled "Protein Characterization using Machine Learning" on June 27, 2016 for a period of two years.
- Received a grant of Rs 1,50,000/- from Titan X Pascal GPU NVIDIA Corporation for the research work on "Protein Characterization using Machine Learning" on February 16, 2017.
- Delivered two technical talks on the topics (a) "Artificial Neural Networks" and (b) "Protein Characterization using Artificial Neural Networks" at the 37th UGC sponsored Refresher Course for Faculty held at Human Resource Development Centre, Sardar Patel University on December 02, 2016.



Dr. Rashesh P. Mehta, MIE

Associate Professor, Electrical Engineering Department, B. V. M. Engineering College, Vallabh Vidyanagar, Gujarat



Completed Ph.D. on the topic "An Integrated Approach to Marginal Pricing for Transmission Services" in Electrical Engineering discipline under the guidance of Prof. S. A. Soman, Electrical Engineering Department, Indian Institute of Technology Bombay on February 25, 2017.

Dr. A. K. Priya, AMIE

Associate Professor, Department of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore, Tamilnadu

Received 'Young Women Educator and Scholar Award-2017' on the occasion of Women's Day from National Foundation of Entrepreneur Development on March 8, 2017.



Mr. Fasludeen N. S., AMIE

Ph.D. Research Scholar, Department of Post-harvest Engineering and Technology, Aligarh Muslim University, Aligarh, Uttar Pradesh

Received 'Young Scholar Award 2016' from Society for World Environment Food and Technology, New Delhi, March 2017 for his outstanding contribution in the field of Post-harvest Engineering and Technology, on the occasion of National Seminar on 'Interventions of Climatic Change in Sustainable Development of



Agriculture, Food and Nutrition Security and its Amelioration' at Swami Vivekananda Subharti University, Meerut during March 24-25, 2017. He has also received Best Paper Award for his paper titled "Effect of Slicing Methods on Mushroom Drying" presented during the Seminar.

Dr. Tangellapalli Srinivas, AMIE

Professor, CO₂ Research and Green Technologies Centre, VIT University, Vellore, Tamilnadu



Acted as a resource person for International Conference on 'Trends and Advanced Research in Green Energy Technologies 2017' organized by CO₂ Research and Green Technologies Centre, Department of Thermal and Energy Engineering, School of Mechanical Engineering, VIT University, Vellore during March 30-31, 2017.

Dr. G. Venkatesan, MIE

Assistant Professor, Department of Civil Engineering, University College of Engineering (BIT Campus), Tiruchirappalli, Anna University, Tamilnadu

Received 'Vishwakarma Award' in the category of Achievement Award for Academician from Construction Industry Development Council (CIDC), Government of India at India Habitat Centre, New Delhi on March 07, 2017.



Mr. Rajeev Namdeo, MIE

Department of Automobile Engineering, Shri Vaishnav Polytechnic College, Indore, Madhya Pradesh

Awarded CMI Level 5 Certificate Management and Leadership (QCF) by Chartered Management Institute Royal Chapter U.K. on November 18, 2016.



Mr. Dinakar R. Mahajan, MIE

Deputy Engineer, Water Resources Department, Mechanical Organisation, Pune, Maharashtra



Title of Papers: (a) "Failure Mode Analysis of Anchor Girder and Trunion Bracket Joint of Mula Dam Radial gate" and (b) 'Rainfall Changes, Drough 2015 and its Implications on Damgates', Technical Journal published by The Institution of Engineers (India), Pune Local Centre, (a) Vol. 40, 2016,

pp. 43-47 and (b) Vol. 39, 201<mark>5, pp. 93-98</mark>

Ms. S. Tharabai, AMIE

Title of Paper: "Applications of ICT", Proceedings of 11th All India People's Technology Congress organized by Forum of Scientists, Engineers & Technologists at National Institute of Technical Teachers' Training &



Research at Kolkata during February 04-05, 2017.

Mr. J. Jensin Joshua, AMIE

Assistant Professor, Department of Aeronautical Engineering, Hindustan University, Chennai, Tamilnadu

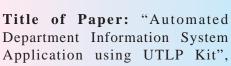


Title of Paper: "Study on Hybrid Aircraft Design using Sugar Volt Concept", Proceedings of 1st National Conference on 'Academic and Industrial Research in Mechanical & Aeronautical Engineering' organized by Society of Aeronautical Engineers at District Science Centre, Tirunelveli on

March 04, 2017.

Dr. Ambresh PAmbalgi, MIE

Assistant Professor of Electronics, Mangalore University, Mangalore, Karnataka





Proceedings of National Conference on 'Advances in Computing and Communications 2016' organized by Department of Electronics & Communication Engineering, Guru Nanak Dev Engineering College at Bidar during October 22-23, 2016, pp. 280-286.

Dr. P. Booma Devi, AMIE

Professor & Head, Department of Electrical and Electronics Engineering, R.V.S. College of Engineering, Dindigul, Tamilnadu



Title of Paper: "Sensing Radius Adaptation Mechanism with RMER Protocol for Maximizing Network Lifetime in WSNs", *Proceedings of ISRD International Conference on Engineering and Technology, organized by International Society for*

Research and Development, Asia Pacific Chapter on November 29, 2016.

Dr. Senthil Anbazhagan, MIE

Principal Mechanical Engineer, Bilfinger Tebodin & Partner LLC, Muscat, Sultanate of Oman

• Title of Paper: "FEM with Analytical Approach based Wind and Seismic Design Recommendation for Vertical Tall Process Column", *Indian Journal of Science and Technology, Vol. 9, Issue 13, April 2016.*

Co-author: M. Dev Anand

• **Title of Paper:** "Design and Crack Analysis of Pressure Vessel Saddles using Finite Element Method", *Indian Journal of Science and Technology, Vol. 9, Issue 21, June 2016.*

Co-author: M. Dev Anand

Mr. Rishiraj Sarker, AMIE

Junior Research Fellow, Department of Electrical Engineering, Mizoram University, Tanhril, Aizawl, Mizoram

Title of Paper: "Validation of a Inverter Topology for

Transformerless Grid-connected Photovoltaic System", Proceedings (Springer) of International Conference on 'Emerging Trends and Advances in Electrical Engineering and Renewable Energy 2017' organized by Department of Electrical and Electronics Engineering, Sikkim Manipal Institute of Technology, at



Sikkim Manipal Institute of Technology, Sikkim during December 17-18, 2016.

Co-author(s): A. Datta, S. Debbarma, A. Kumar, M. Dkhar

Mr. Sita Ram Bhardwaj, AMIE

Ph. D. Research Scholar Electrical Engineering Department, National Institute of Technology Hamirpur, Himachal Pradesh



Title of Paper: "A Comprehensive Literature Review on Slip Power Recovery Drives", *Renewable and Sustainable Energy Reviews, Elsevier, Vol. 73, February 08, 2017, pp. 922-934.*

Co-author(s): Dr. O. P. Rahi, Dr. Veena Sharma

Mr. Amiyaranjan Mallick, FIE

General Manager (Power Plant), Maihar Cement, Century Textiles & Industries, Maihar, Madhya Pradesh

Title of Paper: "Facts about Station Heat Rate", Proceedings (SteamTech) of 10th National Conference on 'Boiler and Steam Systems 2017' organized by Event Management Division, Saket Projects Ltd, Ahmedabad, at J. B. Auditorium, Ahmedabad Management Association during February 17-18, 2017.



Mr. Shivamanth, AMIE



Title of Paper: "Review on Variation of Seismic Hazard Parameters at Different Places of India", *Proceedings of Indian Geotechnical Conference 2016 organized by Indian Institute of Technology Madras at Chennai during December 15-17, 2016.*

Prof. (Dr.) Vijayan Gurumurthy Iyer, FIE

Professor & Dean (R & D), Narasaraopeta Engineering College, Guntur, Andra Pradesh

Title of Papers: "Solid Waste Minimization Hierarchy of Waste Management for Sustainable Development", Proceedings of 12th Biennial Conference on Entrepreneurship' organized by Entrepreneurship Development



Institute of India at Ahmedabad during February 22-24, 2017, pp. 992-1004.

Mr. S. Kannadhasan, AMIE



• Title of Paper: "Design and Analysis of U-Shaped Microstrip Patch Antenna", Proceedings (IEEE Digital Xplore) of 3rd IEEE International Conference on 'Advances in Electrical, Electronics, Information, Communication and Bio-Informatics 2017' organized by

Prathyusha Engineering College at Chennai during February 27-28, 2017.

Co-author: Dr. A. C. Shagar

• Title of Paper: "Hand Gesture Recognition using Mems Sensors", *International Journal of Electrical and Electronics Engineering, Vol. 9, Issue 1, January-June 2017.* The paper was also presented at International Conference on 'Innovative Research in Science, Technology and Management 2017' organized by Modi Institute of Management & Technology, Dadabari at Kota during January 22-23, 2017.

Co-author(s): R. Suresh, M. Shanmuganatham

• **Title** of **Paper:** "A Novel Approach to Detect Text in Various Dynamic Colour Images", *Machine Learning Research*, *Science PG Publishing Group*, Vol. 1, No. 1, January 19, 2017, pp. 19-32.

Co-author: M. Rajesh Baba

Mr. M. Coumarane, MIE

Deputy Chief Engineer/Electrical, NLC India Ltd, Neyveli, Tamilnadu

Title of Paper: "PEM Fuel Cell Technology Demonstration at NLC India Ltd (NLCIL), Neyveli, Tamil Nadu, India", Proceedings of 31st Indian Engineering Congress organised by The Institution of Engineers (India) at Kolkata during December 16-18, 2016, pp. 132-135.



Co-author(s): K. Ramya, R. Balaji, N. Rajalakshmi

Mr. Chiranjib Guha Majumder, AMIE

Space Scientist, Department of Space, Indian Space Research Organisation, Government of India



Title of Paper: (a) "Control Algorithms for Improved High Pointing Accuracy and Rate Stability in Agile Imaging Spacecrafts" and (b) "Variable Rate Microstepping of Stepper Motor using MATLAB GUI", Indian Control Conference 2017 jointly organized by IEEE Control Systems Society and Indian

Institute of Technology Guwahati at the campus of IIT Guwahati, January 04-06, 2017.

Mr. S. Nagaraju, FIE

Title of Paper: "Evaluation of Mechanical Property across 9Cr-1Mo Steel Weld Joints using Automated Ball Indentation (ABI) Technique", International Welding Symposium 2K16 organized by Indian Welding Society (HQ- BHEL Trichy) at Mumbai



Convention Centre, during October 05-07, 2016.

Co-author(s): J. Ganesh Kumar, P. Vasantha Raja, M. Vasudevan, K. Laha

Dr. M. Shunmuga Priyan, AMIE

Associate Professor, Department of Mechanical Engineering, Loyola Institute of Technology & Science, Thovalai, Tamilnadu

• Title of Paper: "Microstructure, Wear and Corrosion



Properties of HVOF Sprayed Thermal Spray Coatings - A Review", International Journal of Materials Science and Surface Engineering, Vol. 5, Issue 1, 2017, pp. 509-519.

• Title of Paper: "Tribological and Corrosion Behavior Studies on Cr₃C₂-NiCr Powder Coating by HVOF

Spray Method- A Review", International Journal of Materials Science and Surface Engineering, Vol. 5, Issue 2, 2017, pp. 537-543.

Co-author(s): G. Godwin, S. Julyes Jaisingh

Prof. (Dr.) S. K. Roy, FIE

Metallurgical and Materials Engineering Department, Indian Institute of Technology Kharagpur, West Bengal



Title of Paper: "Effect of Beam Oscillation on Microstructure and Mechanical Properties of AISI 316L Electron Beam Welds", Metallurgical and Materials Transactions A, April 2017, Vol. 48, Issue 4, pp. 1759–1770.

Co-author(s): J. Kar, G. G. Roy

Mr. Swapnil W. Khubalkar, AMIE

PhD Research Scholar, Visvesvaraya National Institute of Technology, Nagpur, Maharashtra

Title of Paper: "Design and Realization of Stand-Alone Digital Fractional Order PID Controller for Buck-Converter Fed DC Motor," Circuits, Systems & Signal Processing, Vol. 35, Issue 6, February 2016, pp. 2189-2211.



Co-author(s): A. S. Chopade, A. S. Junghare, M. V. Aware, S. Das

• Title of Paper: "Design and Implementation of Digital Fractional Order PID Controller for Magnetic Levitation System," IEEE/CAA Journal of Automatica Sinica, Vol. PP, Issue 99, December 2016, pp. 1-12.

Co-author(s): A. S. Chopade, A. S. Junghare, M. V. Aware,

• Title of Paper: "Design of New Practical Phase Shaping Circuit using Optimal Pole–Zero Interlacing Algorithm for Fractional Order PID Controller", Analog Integrated Circuits and Signal Processing, Vol. 91, Issue 1, April 2017, pp. 131-145.

Co-author(s): M.V. Aware, A. S. Junghare, A. Dhabale, S. Das, R. Dive

Prof. (Dr.) C. M. Narayanan, MIE

Former Professor, Department of Chemical Engineering, National Institute of Technology, Durgapur, West Bengal



Title of Paper: "Biodiesel Synthesis Using Immobilized Lipase Enzyme in Semi – Fluidised Bed Bioreactors Bioreactor Design and Performance Analysis", Environmental Process and Sustainable Energy (Wiley), March 2017.

Co-author(s): Tripti De, Jaya Sikder

Mr. Anand Babu K., AMIE

Research Scholar, Department of Mechanical Engineering, Sri Venkateswara University College of Engineering, Tirupati, Andhra Pradesh

• Title of Paper: "AHP-DENG'S Similarity based



Optimization of WEDM Process Parameters of Al/SiCp Composite", American Journal of Materials Science and Technology, Vol. 6, No. 1, February 06, 2017, pp. 1-14.

Co-author(s): P. Venkataramaiah, P. Dileep

• Title of Paper: "Multi-response Optimization in Wire Electrical

Discharge (WEDM) of Al6061/SiCp Composite using Hybrid Approach", *Journal of Manufacturing Science and Production*, Vol. 15(4), October 2015, pp. 327-338.

Co-author: P. Venkataramaiah

Mr. Suprakash Mondal, AMIE

Assistant Professor, Mechanical Engineering Department, Mallabhum Institute of Technology, Bishnupur, Bankura, West Bengal



• Title of Paper: "CNC Machine tool selection using Data Envelopment Analysis", Proceedings of International Conference on 'Advances in Science and Technology 2017' organised by MCKV Institute of Engineering, Howrah, West Bengal during March 17-19, 2017.

Co-author(s): Chinmoy Kundu, Prasenjit Chatterjee, Shankar Chakraborty

• Title of Paper: (a) "Material Selection in Automotive Environment using Entropy-based Multi-objective Optimisation on the Basis of Simple Ratio Analysis (MOOSRA) Method" and (b) "Decision Making for Rapid Prototyping Process Selection using Complex Proportional Assessment Method", Proceedings of International Conference on 'Manufacturing Excellence 2017' organised by K. K. Wagh Institute of Engineering Education and Research, Nashik, Maharashtra during March 03-04, 2017.

Co-author(s): (a) Arka Ghosh, Prasenjit Chatterjee, Shankar Chakraborty and (b) Alok Kumar Singh, Prasenjit Chatterjee, Shankar Chakraborty

Lt. Supriya Naha Biswas, AMIE Indian Navy



Title of Paper: "Importance of FRACAS to Ensure Product Reliability: A Theoretical Perspective", International Journal of Modern Engineering Research, Vol. 6, Issue 11, November 2016, pp. 61-65.

Mr. Ochin Sharma, AMIE

Assistant Professor, Department of Computer Science & Engineering, Manav Rachna International University, Faridabad,

Haryana

• Title of Paper: "An Algorithm for New Interest Measure", Proceedings (Springer) of 1st International Conference on 'Smart Computing & Informatics 2017' organized by



Department of CSE & CSI Student Branch, Anil Neerukonda Institute of Technology and Sciences, Vishakhapatnum, at ANITS Vizag during March 03-04, 2017.

Co-author(s): Suresh Kumar, Nisheeth Joshi

• **Title of Paper:** "Rule Power Factor: A New Interest Measure in Associative Classification", *Procedia Computer Science*, *Elsevier*, *Vol.* 93, *September* 2016, pp. 12-18.

Co-author(s): Suresh Kumar, Nisheeth Joshi

Prof. (Dr.) Rai Sachindra Prasad, FIE

• **Title of Paper:** "Patterns Identification in Thought-Form Images", *Proceedings of 2nd IEEE International*



Conference on 'Electrical, Computer and Communication Technologies 2017', organized by S. V. S. College of Engineering, Coimbatore during February 22-24, 2017, pp. 647-656.

• Title of Paper: "Patterns Recognition in Thought Form Images using Chromaticity Parameters",

Proceedings of IEEE International Conference on 'Wireless Communications, Signal Processing and Networking 2017' organized by S. S. N. Engineering College at Chennai, March 22-24, 2017, pp. 2707-2714.

Mr. Dayananda Shetty K., MIE

New Mangalore Port Trust

Title of Paper: "Optimization of Vessel Turnaround Time at a Seaport", Proceedings of International Conference on 'Global Civil Engineering Challenges in Sustainable Development and Climate Change 2017' organized by Mangalore



Institute of Technology and Engineering, Moodabidri, Mangalore, March 17-18, 2017.

Co-author: Dr. G. S. Dwarakish

Dr. P. Sivakumar, AMIE

Laboratory Assistant, Department of Civil Engineering, North Eastern Regional Institute of Science and Technology (Deemed University), Papum Pare, Arunachal Pradesh



Title of Paper: "Improved Complementary Reservoir Solution to

Evaluate Nodal Outflow under Pressure-deficient Conditions", ISH Journal of Hydraulic Engineering (Taylor & Francis), published online, March 02, 2017.

Co-author(s): Suribabu C. R., Neelakantan T. R.

Mr. Atul Babbar, AMIE



Title of Paper: "Regression Model and Optimization of Magnetic Abrasive Finishing of Flat Brass Plate", Proceedings of International Conference on 'Advancements in Engineering Technology 2017' organized by Bhai Gurdas Institute of Engineering and Technology, Sangrur, Punjab, March 24-25, 2017.

Dr. B. Vinoth Kumar, MIE

Assistant Professor, Department of Computer Science Engineering, PSG College of Technology, Coimbatore, Taminadu

Title of Paper: "A Survey on Automatic Detection of Hard Exudates in Diabetic Retinopathy", Proceedings of IEEE International Conference on 'Inventive Systems and Control' organized by IEEE-Madras (Coimbatore) Section, ED Chapter and JCT College of Engineering



and Technology at Coimbatore during January 19-20, 2017.

Mr. Venkata Ajay Kumar G., AMIE

Assistant Professor, Department of Mechanical Engineering, Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh



• Title of Paper: "Experimental Studies on Turning of Aluminium 6351-T6 Alloy under Minimum Quantity Lubrication Technique", *i-manager's Journal on Mechanical Engineering, Vol. 7, No. 1, November 2016 - January 2017.*

Co-author: K. L. Narasimhamu

• Title of Paper: "Multi-response Optimization of End Milling Process Parameters using Combined AHP and VIKOR Method", Proceedings of International Conference on 'Innovations in Information Embedded and Communication Systems 2017' organised by Karpagam College of Engineering and sponsored by IEEE at Coimbatore during March 17-18, 2017.

Co-author(s): Lakshmikanth V., Bhargava T., Harish Reddy K., Harikrishna K.

● Title of Paper: "Optimization of Welding Process Parameters using WASPAS Method", Proceedings of National Conference on 'Optimization Techniques in Engineering Sciences and Technologies' held at Bannari Amman Institute of Technology, Sathyamangalam during March 17-18, 2017.

Co-author(s): Satish Kumar V, Savya M, Veerasivakrishna D, Saikumar K.

Mr. Surendra Prasad Singh, AMIE

Chief Manager (Mining), Western Coalfields Limited, Nagpur, Maharashtra

Title of Papers: : (a) "Plasma Blasting Technique - Blasting Without Explosive" and (b) "Development of Safe Blasting

Techniques at Hot Strata Condition for Safe and Efficient Extraction of Coal from Developed UG Pillars by O/C Mining", Proceedings of International Conference on 'NexGen Technologies for Mining & Fuel Industries 2017 organized by CSIR - Central Institute of Mining and Fuel Research, Dhanbad at Vigyan Bhawan, New Delhi during



February 15-17, 2017, Vol. 1, Section 3 (Advances in Explosive and Blasting).

Mr. Manoj Kumar Kar, FIE



Title of Paper: "Optimise New Product Development Cycle Time through Implementation of Product Data Management", International Journal of Production Technology and Management, Vol. 8, Issue 1, January-June 2017.

Dr. M. Arun, MIE

Assistant Professor (Senior Grade), Department of Civil Engineering, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu



• Title of Papers: "Ooty Lake Remediation by Bio-Ozolyte", Asian Journal of Research in Social Sciences

and Humanities, Vol. 7, No. 1, January 2017, pp. 13<mark>05-1309.</mark>

Co-author: Dr. G. Anusha

• Title of Paper: "Partial Replacement of Cement with Flyash Paver Block", Proceedings of 4th National Conference on 'Latest Emerging Trends and Sustainable Developments in Civil Engineering (LETS DO CIVIL)' organized by Department of Civil Engineering, Bannari Amman Institute of Technology at Sathyamangalam on March 07, 2017, pp. 14-20.

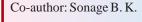
Co-author(s): C. Ajith Kumar, K.V. Kalaivanan

• Title of Paper: "Potential Use of Granite Powder as a Replacement of Cement during Manufacturing of Paver Blocks", Proceedings of 2nd International Conference on 'Recent Trends in Mechanical and Civil Engineering 2017' organised by Christian College of Engineering and Technology, Oddanchatram at Dindigul during March 16-18, 2017, pp. 41-44.

Co-author(s): G. Kaviyarasu, R. Krishnanand, Dr. G. Anusha

Mr. Kumbhar Siddharaj Vijaykumar, AMIE

Title of Paper: "Failure Analysis of Sheet Metal Utensils during Deep Drawing Process", *Journal of Mechatronics and Automation, Vol. 3, Issue 3, February 18, 2017.*





Mr. Kapil Jambhulkar, MIE

Sr.DME/D/NGC, Northeast Frontier Railway, Guwahati, Assam

• Title of Paper: "Use of REMMLOT (Loco Remote Monitoring System) by DLS NGC in Improving Loco Reliability", *Indian Railways Technical Bulletin*, Vol. LXXIII, No. 359, November 2016.



• **Title of Paper:** "Web-based Innovations by Diesel Locomotive Shed New Guwahati", *Indian Railways Technical Bulletin*, *Vol. LXXIII*, *No. 356 & 357*, *February – May 2016*.

Mr. Rajeev Namdeo, MIE

Department of Automobile Engineering, Shri Vaishnav Polytechnic College, Indore, Madhya Pradesh

Title of Paper: "Optimization of High Stress Abrasive Wear



of Polymer Blend Ethylene and Vinyl Acetate Copolymer/HDPE/MA-g-PE/OMMT Nanocomposites", Transactions of The American Society of Mechanical Engineers, Journal of Tribology, Vol. 139 (2), pp. 021610-1-6, January 2017.

Co-author(s): S. Tiwari, S. Manepatil

Dr. A. K. Priva, AMIE

Associate Professor, Department of Civil Engineering, K. P. R. Institute of Engineering and Technology, Coimbatore, Tamilnadu

• Title of Paper: "Bioremediation of Color and COD from Dye Effluent using Indigenous and Exogenous Microbes", Desalination and Water Treatment, Vol. 59, January 2017, pp. 243–247.

Co-author: Nagan S.

• **Title of Paper:** "Biodegradation Approach for an Upcoming Disaster (Plastic)", *Asian Journal of Research in Social Sciences and Humanities, Vol. 7, No. 2, February 2017, pp. 560-565.*

Co-author(s): Baskaran T., M. Nithya, P. M. Priyanka

Welcome to IEI New Institutional Members



National Institute of Technology Calicut Kozhikode, Kerala



Supreme Knowledge Foundation Group of Institutions

Chandannagar, Hooghly, West Bengal



Adi Shankara Institute of Engineering and Technology

Ernakulam, Kerala



Karunya University
Coimbatore, Tamilnadu

Welcome to IEI New Institutional Members



Sri Sairam Institute
of Technology
Chennai, Tamilnadu



Institute of Engineering & Technology
Alwar, Rajasthan



N M Institute of Engineering and Technology

Bhubaneswar, Odisha



CSI Polytechnic College Salem, Tamilnadu

Salem, Tammadu

Programme

by Our Institutional Member



International Conference on Transformation in Engineering Education 2017

Manipal University, Jaipur organised the 4th International Conference on 'Transformation in Engineering Education 2017' in association with Indo Universal Collaboration for Engineering Education (IUCEE) during January 11-12, 2017. More than 250 participants from all over the Country attended the Conference. Experts in various field of Engineering from USA, Europe as well as from the premier Institutes of India like IITs, IISc, NITs shared their knowledge and expertise in transformations in Engineering Education. Twenty four workshops were conducted and forty-six papers were presented during the different technical sessions.



Achievement

by Our Institutional Member

USHARRAMA COLLEGE OF ENGINEERING AND TECHNOLOGY

Telaprolu, Andhra Pradesh

Received "ISTE Andhra Pradesh and Telangana Awards 2016" for the best B.Tech Civil Engineering Project on 'Environmental Impact Assessment of Proposed Outer Ring Road for New Capital Region of Andhra Pradesh' from Indian Society for Technical Education on the occasion of 11th ISTE AP & TS Sections Annual Convention and Awards Function hosted by VNR Vijnana Jyothi Institute of Engineering & Technology, Hyderabad on March 02, 2017. The project was conducted at Department of Civil Engineering, Usha Rama College of Engineering and Technology, Telaprolu, Andhra Pradesh. It was carried out by Mr. K. Kavya, Mr. V. Akhil, Ms. S. Deepthi, Mr. V. Saikrishna, Mr. K. D. Sairam, the final year students of B.Tech Civil Engineering (2016 passed out batch) under the guidance of Mr. K. Sundara Kumar, Associate Professor and Head, Department of Civil Engineering of the College.



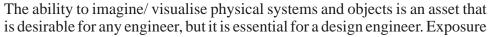
book review

Mechanical Design A Practical Insight

Prof. M. A. Parameswaran, FIE

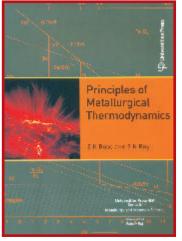
Title: Mechanical Design – A Practical Insight

An attempt has been made in writing this book to introduce the student to the multi-dimensional aspect of design engineering. The "engineering" part of design is vital for the success of a product. Design, however, is basically a process of synthesis and analysis is only an essential tool to perfect it. There is always an arbitrary element in evaluation. Evaluation in design is not restricted to the technical aspects of a design only, but extends into its market aspects, such as cost and customer appeal, as well as into its social aspects, such as public health and environment.



to engineering and its role in the modern world helps in this. Starting with the simple and common components and devices, getting familiar with manufactured products is an effective way of absorbing technology and being inventive as an engineer. A note on teaching of design practice is appended. The book does not deal with this creative part of design where as it is aimed at the Indian student of engineering, whose exposure to technology is largely through reading of books only.

Publisher: Narosa Publishing House Pvt. Ltd.



Prof. (Dr.) S. K. Roy, FIE

Professor, Metallurgical and Materials Engineering Department, Indian Institute of Technology Kharagpur, West Bengal

Title: Principles of Metallurgical Thermodynamics

The book is a result of the authors' more than three decades of experience in teaching both undergraduate and graduate students of Metallurgical and Materials Engineering in one of the most esteemed education centres in India – Indian Institute of Technology Kharagpur. This text book deals with the thermodynamics of reactive systems, with emphasis on the reactivity of metals and materials that are being used by metallurgical and materials scientists all over the world. Though this text primarily deals with equilibrium thermodynamics, it also touches upon some methods to incorporate non-

equilibrium effects relevant to material scientists.

The contents of this book include recapitulation of basic concepts such as equation of state, state variables, system and surroundings (expanding universe), internal energy, enthalpy, the First Law of Thermodynamics, heat capacities, Einstein's and Debye's quantum mechanical approach. Some special material systems, their properties, and their wide use have been given paramount attention. A distinguishing feature of this textbook is the number of solved problems and exercises (with answers) that are incorporated at the end of most chapters. The references provided will assist readers to find the source material for further studies.

Co-author: Prof. S. K. Bose

Publisher: Universities Press (India) Pvt. Ltd

IEI Epitome, April 2017

Viembers' Speak

It is my pleasure to be a part of IEI. Happy to know the magazine IEI Epitome. I have read the February 2017 version of IEI Epitome. It was very useful to know IEI members and their contribution towards engineering research and developments. I appreciate the initiative of IEI and extend my sincere gratefulness to people who associated with IEI Epitome.

Dr. Senthil Anbazhagan, MIE

Principal Mechanical Engineer Bilfinger Tebodin & Partner LLC, Muscat, Sultanate of Oman

It has been a great pleasure to be a part of The Institution of Engineers (India) and feel happy to know the members publications. My best compliments to the members of IEI to bring the IEI Epitome and the topics bringing through the IEI Epitome, made the engineers and scholars to think and do the further research and ideas to implement in the present world. My warm appreciation to all associated with the process.

Mr. Challa Mallikarjuna, MIE

Associated Professor, Department of Civil Engineering Saveetha Engineering College, Chennai, Tamilnadu

I am very thankful to receive Epitome and Technical volume from our institution. I also regret that I missed lot of things as I was cut off from this Institution since long time. Institution is giving great service to the nation by providing unique platform to the Engineers, where they are recognized and their knowledge and professionalism are enhanced.

Mr. Mohd. Suhel, AMIE

Manager (Civil), Arbitration Cell, Contract Civil Division NHPC Ltd. (A Government of India Undertaking)

IEI Epitome is a great platform for researchers, engineers and academicians to know about the latest achievements of the members.

Mr. Rishiraj Sarker, AMIE

Junior Research Fellow, Department of Electrical Engineering Mizoram University, Tanhril, Aizawl, Mizoram It's a fine attempt by the Institution to project the achievements & publications of the members of the Institution. I have proposal for the Institution to contact the various Engineering Colleges of the country via email to encourage their Faculty Members as well as Students to enrol themselves as Members of our Institution. This will help them keep in touch with the latest developments in various fields and broad base our Membership as well. For students some online programme could also be started whereby they could get their difficulties solved by taking the help of experts/academicians attached to the Institution an willing to spare time for this purpose.

Mr. Surindar Paul Aggarwal, MIE

Just finished the reading February 2017 issue of IEI Epitome. I have read all the publication received but due to paucity of time, no communication could be made. It is a brilliant idea of my Institution to bring out and circulate such an excellent publication to make all of us updated about ourselves. Moreover, we get acquainted with the genius members who are making their best efforts to keep the flag flying higher to higher levels. It is really a commendable ornament for all of us. Please keep it up. Any kind of assistance required will be extended to the Alma Mater.

Mr. Prabir Kumar Datta, FIE

Its great pleasure to read Epitome February 2017. The young as well as senior professionals from different parts of our country expressed valuable information in various subjects. I wish to see more publication related to use of technology is solving problems of traffic management in metros and other big cities. I wish all the members a great year ahead.

Mr. Abdulkhadar F. Hosamani, MIE Chartered Engineer, IEI

DGM -Bridge Construction, LEA Associates South Asia Pvt. Ltd.
Leading Consultant in India & Abroad

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