



Contents

2

**Members
in the News**

5

**Publications
by Members**

13

**Book
Review**

13

**New Institutional
Members**

14

**Members
Speak**

31st Indian Engineering Congress Kolkata, December 15-18, 2016

Members are invited to participate and present papers.

For submission of paper, please visit the following link:

www.ieindia.org/PDF_IMAGES/Event_Pdf/31%20IEC%20_Call.pdf?Event_Id=1520

Members in the News



Mr Ashok Kumar Basa, FIE

Past President, IEI

Mr Ashok Kumar Basa, Past President, IEI, has become Chair of the Sub-Committee on Capacity Building for Natural Disaster Risk Management (CBNDRM) which is a Subcommittee of the Committee on Disaster Risk Management (CDRM) of World Federation of Engineering Organisations (WFEO).

Dr D P Kothari, FIE

*Director - Research
Gaikwad-Patil Group of
Institutions
Wardha Road, NA*



Lifetime Achievements award presented by The Institution of Engineers (India), Nagpur Local Centre on March 6, 2016. The award was presented by Mr Chandrashekhar Krishnarao Bawankule, Honourable Energy Minister of Maharashtra and Guardian Minister of Nagpur.



Dr Priyanka Dadhich, AMIE

*Department of Computer Science & Engineering
NIT, Hamirpur, Himachal Pradesh*

Obtained Ph.D in Computer Science & Engineering from National Institute of Technology, Hamirpur (Himachal Pradesh) on the topic "Trust based Reputation for Securing Mobile Agent" under the supervision of Dr Kamlesh Dutta, Associate Professor, NIT, Hamirpur and Dr M C Govil, Professor, MNIT, Jaipur on June 28, 2016.



Mr H B Goswami, FIE

Past Chairman, Durgapur Local Centre, IEI

Obtained Lifetime Achievement Award from QCFI (Quality Circle Forum Of India), Durgapur on 27 September 2015.



Prof (Dr) S C Naik, FIE

Past President, IEI

Invited as the Keynote Speaker at CSIR-IMMT, Bhubaneswar to celebrate "World Environment Day, 2016" where thematic address was delivered by Prof (Dr) B K Mishra, Director of CSIR-IMMT. In addition to instituting an Annual Gold Medal & a Lecture in NITR, three Annual cash prizes to toppers in Matriculation Examination of FH High School, Tyandakura, Odisha were instituted by him on June 29, 2016.

Gp Capt M K Labroo, FIE

Aeronautical Engineer & Former Scientist, ISRO



In recognition of his dedicated efforts and devotion to promote various activities of the Rotary Wing Society of India (RWSI), Gp Capt M K Labroo was awarded the "Salute of Excellence" for Outstanding Voluntary Contribution to RWSI" on March 21, 2016 at the 7th International Conference (Helipower India-2016) held during March 21-22, 2016 at Air Force Auditorium, New Delhi.



Mr K Kamlesh Murty, FIE

Former Chief Engineer (Testing & Communication), Madhya Pradesh Power Transmission Company, Jabalpur

Felicitated as Eminent Engineer at the 31st National Convention of Electrical Engineers & National Seminar on 'Renewable Energy and Green technology for Sustainable Development' organized by The Institution of Engineers (India), M P State Centre at Bhopal on October 17, 2015, in recognition of eminence and contribution to the profession of Electrical Engineering.



Members in the News

Dr PC Jain, FIE

Scientist 'G', Head Structures Department, Defence Research & Development Organization, Ministry of Defence, Government of India, DRDL Hyderabad

Scientist with Defence Research & Development Laboratory (DRDL), Hyderabad has been inducted as Fellow of Telangana State Academy of Sciences in the field of Engineering Sciences for his



marvelous contributions in the area of Rocket Structures. In a recently held function, Dr Ch Mohan Rao, President, Telangana State Academy of Sciences conferred the Fellowship to Dr Jain in the august presence of Dr Ashutosh Sharma, Secretary to the Department of Science and Technology, Government of India, New Delhi and other galaxy of Distinguished Scientists from various scientific organizations.

Dr D B Suresh Babu, MIE

Obtained Ph.D. in Spatial Information Technology on the topic "Development of a Web GIS based Decision Support System for agriculture Crop Monitoring System" under the guidance of Dr V Madhava Rao, Professor & Head, C-GARD, NIRD & PR, Hyderabad and Co-Guide, Prof I V Muralikrishna, former Director, R&D, JNTUH on May 18, 2016.



Dr R Visvanathan, FIE

Professor (Agricultural Processing), Anbil Dharmalingam Agricultural College and Research Institute, Thiruchirappalli, Tamilnadu

Recipient of ICAR – Bharat Ratna Dr C Subramaniam Award for Outstanding Teacher and has elected as Fellow of the National Academy of Agricultural Sciences, for his teaching and research contribution in the area of Agricultural Engineering. The Fellowship was presented during the Annual General Body Meeting and 27th Foundation Day of the Academy held at New Delhi on June 5, 2016.



Dr Gurudutt Sahni, MIE

HOD & General Manager, Department of Design, Drawing & Development, Leader Valves Ltd, Jalandhar, Punjab

1. Obtained Fellow Membership of Institute of Research Engineers and Doctors (the IRED), USA with effect

from June 2016.

2. Obtained Membership of International Association of Engineers (IAENG).

Rao Y Mannepal, FIE

Obtained Patent titled "System and Method for Real Time Optimization of Driving Directions" (US Patent 9,212,920), issued by US Patent and Trademark Office.



Brief Description: It is a "New method to improve the quality and usefulness of the driving directions produced by the commercial applications like Google Maps, Yahoo, MapQuest, by incorporating dynamic predictive traffic patterns while finding the route."



Dr P Sivakumar, AMIE

Laboratory Assistant, Department of Civil Engineering, NERIST (Deemed University), Nirjuli, Arunachal Pradesh

Awarded Ph. D. degree for his thesis entitled "Hydraulic Simulation, Quality and Uncertainty Analyses of Water Distribution Networks" in Civil Engineering, NERIST, on July 19, 2016. Dr Sivakumar passed Section A and B Examinations of IEI in Civil Engineering Branch. Further, he pursued M.Tech in Hydraulics & Water Resources Engineering from IIT (BHU), Varanasi in 2010.

Members in the News

Dr Poorna Prabhat Sunkara, AMIE

Assistant Professor, Department of MBA, Andhra Loyola College

Received 'Young Faculty Award 2016' from Venus International Foundation at Chennai on July 9, 2016 for the contribution and achievement in the field of marketing.



Dr K S Shivaprakasha, MIE

Associate Professor, Department of Electronics and Communication Engineering, NMAM Institute of Technology, Nitte, Karnataka

Delivered a talk on "Energy Efficient Data Communication in Wireless Sensor Networks" in One-Week

Faculty Development Programme held at BNM Institute of Technology, Bengaluru, Karnataka on July 11, 2016.

Dr Komal P Mehta, AMIE

Head, Department of Civil Engineering, ITM Universe, Vadodara

Received Best Paper Award for the paper entitled "Women - A powerful Engine for Social and Economic Growth" presented in the International Conference on 'Women in Science & Technology: Creating Sustainable Career', organised by Gujarat Technological University, Ahmedabad, during January 28-30, 2016.



Mr Madhusoodan, AMIE

Scientific Officer/E BARC, Mysuru

Attended IAEA (International Atomic Energy Agency) Meeting as Indian

representative, participated by 40 representatives from 25 Member Countries. The topic of the meeting was "International Coordination Meeting to Discuss Good Practices and Challenges in Developing and Sustaining a Nuclear Security Detection Architecture" held at Siem Reap, Cambodia during April 4-8, 2016.

Dr MD Mathew, FIE

Dean, Postgraduate and Research Studies and Knowledge Management, Saintgits College of Engineering, Kottayam, Kerala

Invited as a member of the International Scientific Committee for the International Conference on 'Frontiers in Materials, Processing, Applications, Research and Technology (FiMPART' 17)', in recognition of his research contributions. The Conference will be held at Congress et Exposition de Bordeaux in France during July 9-12, 2017.



Dr S K Dutta, MIE

Former Prof & Head, Metallurgical & Materials Engineering Department, Faculty of Technology & Engineering, The M. S. University of Baroda, Vadodara

Awarded 2015 IIM Distinguish Educator Award by The Indian Institute of Metals, Kolkata in recognition of valuable contributions to the Metallurgical Education and to the Indian Institute of Metals on November 14, 2015 at NMD 2015, Coimbatore.



Prof (Dr) K M Parammasivam, FIE

Anna University, Chennai



Attended Continuing Education Course on 'Hybrid Rocket Propulsion System', at AIAA Continuing Education Programmes held at Slat Lake City, Utah, USA, during July 23-24, 2016. Also presented a Technical Research Paper in the AIAA Propulsion Energy Forum and Exposition 2016, held at Salt Lake City Utah, USA during July 25-27, 2016.

Publications

by Members



Mr Biman Gati Gupta, FIE

Programme Coordinator, WBADMIP, Government of West Bengal, (World Bank financed Project)

Title of Paper: “Textile Effluent Surface Water Pollution Remedial Measures At Maheshtala Textile Cluster, South 24 Parganas, West Bengal, India” *Proceedings of the World Environmental & Water Resources Congress, (DOI :10.1061/9780784479889.025) organized by ASCE-EWRI at Florida, USA held during May 22-26, 2016.*

Mr Darshan J Mehta, AMIE

Assistant Professor, Department of Civil Engineering, Shree Swami Atmanand Saraswati Institute of Technology, Kapodra, Surat



1. Title of Paper: “Rehabilitation of Slum: An Innovative Approach to Urban Development”, *Proceedings of 1st National Conference on Recent Advances in Civil Engineering for Global Sustainability (RACEGS - 2016), Shree Swami Atmanand Saraswati Institute of Technology, Surat, March 29 – 30, 2016.*

Co-authors: Vivek Mishra, Nidhi Gandhi, Parth Desani

2. Title of the Paper: “Simulation of Hydraulic Parameters in Water Distribution Network using EPANET: A Case Study of Surat City”, *Proceedings of the 20th International Conference on 'Hydraulics, Water Resources and River Engineering (HYDRO - 2015)', held at IIT, Roorkee, during December 17 - 19, 2015.*



Ms P Kavitha, MIE

Title of Paper: “Anomaly based Intrusion Detection for 802.11 Networks with Optimal Features Using SVM Classifier”, *Springer, Wireless Networks, DOI: 10.1007/s11276-016-1300-5.*

Dr Nagesh K. Tripathi, MIE



Scientist 'C', Defence R & D Establishment, Jhansi Road, Gwalior

1. Title of Paper: “Production and Purification of Recombinant Proteins from Escherichia Coli” *ChemBioEng Reviews; Vol. 3, No. 3, 2016, pp. 116-133.*

2. Title of Paper: “Scaling Up of Recombinant Dengue Virus Type 3 Envelope Domain III Protein Production from Escherichia Coli”, *Industrial Biotechnology; Vol. 11; No. 6; 2015, pp. 331-337.*

Co-authors: Kartik C Biswal and P V Lakshmana Rao

Mr Arun Kumar, AMIE

SAP-Security, IBM India Pvt Ltd

Title of Paper: “A Cluster-Based Coordination and Communication Framework Using GA for WSANs” *Proceeding of Ninth International Conference on 'Wireless Communication and Sensor Networks', LNEE (Springer), Vol. 299, 2014, pp.111-124.*

Co-author- Mr Virender Ranga



Mr Sachin Mourya, AMIE

1. Title of Paper: “Biomedical and Hospital Solid Waste Management Practices”, *Proceeding of 45th Intentional Conferences on 'Emerging Trends in Engineering' organized by BKIT Kota, February 2016.*



2. Title of Paper: “Carbon Capture Microbial Fuel Cells a Sustainable System for Green Energy Generation and Waste Water Treatment”, *Proceeding of National Conferences on 'Green Chemistry & Sustainable Technologies for Society' organized by GEC Ajmer (with BARC & MNIT Jaipur.), January 11-12, 2016.*

Publications

by Members

Mr K Kamlesh Murty, FIE

Former Chief Engineer (Testing & Communication),
Madhya Pradesh Power Transmission Company,
Jabalpur



1. Title of Paper : “Controlled Switching Device”, Proceedings of the 3rd National Conference on 'LT/HT Switchgear & Control Gear - Smart Technologies', organized by Central Power Research Institute, Bhopal, held during January 29-30, 2016.

2. Title of Paper : “Grid Tie Inverter”, Proceedings of 31st National Convention of Electrical Engineers & National Seminar on 'Renewable and Green Technology for Sustainable Development (REGTSD-2015)', organized by The Institution of Engineers (India), M P State Centre, Bhopal, during October 17-18, 2015.

Mr Anurag Swain, FIE

1. Title of Paper : “Mobile Solar Water Pumping System cum Off Grid Power Pack”, *International Research Journal of Engineering and Technology (IRJET)*, Vol. 2, No. 6, September 2015.



2. Title of Paper: “Solar Powered Drinking Water Purification & ATW System through CSR”, *International Research Journal of Engineering and Technology (IRJET)* Vol. 3, April 2016.

Mr Dipankar Das, AMIE

1. Title of Paper : “Visualization of Binary Search in Worst Case Using Spline Interpolation Curve Fitting in Personal Computer”, *International Journal of Recent Trends in Engineering & Research*, Vol. 2, No. 7, pp. 38-42, July 2016.



2. Title of Paper: “Polynomial Curve Fitting of Execution Time of Binary Search in Worst Case in Personal Computer”, *International Journal of Recent Trends in Engineering & Research*, Vol. 2, No. 6, pp.245 - 250, June, 2016.

Mr Raj Kumar Saini, MIE

Title of Paper : “Optimized Design of Three Phase Squirrel Cage Induction Motor based on Maximum Efficiency Operating under the Rated Voltage – based on Software Platform”. *Indian Journal of Science and Technology*, Vol. 9, No. 21, DOI: 10.17485/ijst/2016/v9i21/92002,



Mr Pramod Bhaiyasaheb Shinde, AMIE

Title of Paper : “ARM based Low Cost Sensor Network for Real Time Contamination Detection in Drinking Water Distribution System”, *International Journal of Engineering Research & Technology (IJERT)*, Vol. 5, No. 3, March 2016.



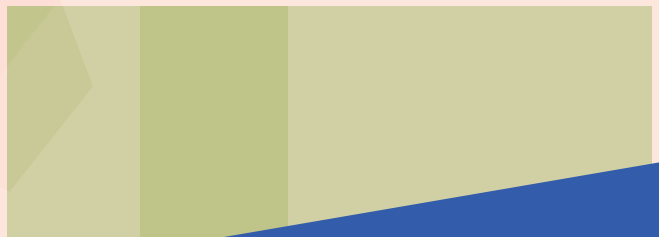
Mr MD Sirajuddin, AMIE

Assistant Professor, Department of CSE, SMCE



1. Title of Paper: “Techniques for Enhancing the Performance of TCP in Wireless Networks”, *Springer-Chapter 'Artificial Intelligence and Evolutionary Algorithms in Engineering Systems'*, Vol. 324 of the Series 'Advances in Intelligent Systems and Computing', 2015, pp. 159-167.

2. Title of Paper: “Advanced Congestion Control Techniques for MANET”, *Springer-Chapter- 'Information Systems Design and Intelligent Applications'*, Vol. 433 of the Series 'Advances in Intelligent Systems and Computing', 2016, pp. 271-279.



Publications

by Members

Mr Abhijit Agarwala, AMIE



Title of Paper: "Approach to Standardisation of Cut & Cover Method for Launching of L.H.S. on Adra Division", *IRICEN Journal of Civil Engineering*, Vol. 9, No. 1, January - March 2016, pp. 35-42.

Co-author: Mr S P Chandrikapure

Dr Mohan Kumar Pradhan, MIE

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



Title of Paper: "Improvement in Mechanical Property of Aluminium Alloy LM-6 Reinforcement with Silicon Carbide and Boron Carbide Particles", *Journal on Material Science*, Vol. 4, No. 1, April-June 2016, pp. 26-31.

Co-author: Prabhat R Kumar

Mr Nachiket Tambay, AMIE

National Institute of Construction Management and Research, Indore



Title of Paper: "Solid Waste and Waste Water Management of Maha Kumbha 2016 at Ujjain, M.P, India", *International Journal of Scientific Research in Biological Sciences*, Available online at www.isroset.org, Received: February 21, 2016, Revised: 14 Mar 2016, Accepted: 15 Apr 2016, Published: 05 May 2016. Review Paper Volume-3, Issue-2 ISSN: 2347-7520.

Co-author : Amrita Shukla

Dr A Sampath Dakshina Murthy, AMIE

Assistant Professor, Vignan Institute of Information Technology



Title of Paper: "Minimization of Degeneracy Problem by Roughening Particle Filter", *International Journal of Modern Electronics and Communication Engineering (IJMECE)*, Vol. 4, No.3, May 2016.

Mr Thennavarajan S, AMIE

Technical officer, Propulsion Division / National Test Facility for Rolling Element Bearings, CSIR - National Aerospace Laboratories, Bengaluru



1. Title of Paper: "Dynamic Analysis of Multi Mass Counter Rotor System with Integral S-shaped Squeeze Film Damper", *International Advanced Research Journal in Science, Engineering and Technology*, Vol.4, No.6, 2015,

pp.123-128.

Co-authors: Maruthi M D, Hemantha Kumar

2. Title of Paper: "Object Follower and Barrier Escaping Robot Using Image Processing", *International Journal of Innovative Research in Science Engineering and Technology*, Vol.4, No.7, 2015, pp.6056-6064.

Co-authors : Rahul Madbhavi, Shreepad Potadar, Sylvester Jerome D'souza, K V Gangadharan

Dr A Senthil Kumar, AMIE

Professor, Department of Electrical & Electronics Engineering, Velammal Engineering College, Chennai



Title of Paper : "Comparison of Voltage and Frequency Regulation of Self-Excited Induction Generator Using Different Control Techniques for Solid State Voltage Regulator", *International Journal of Advanced Engineering Technology*, Vol.7, Issue. 2, April – June 2016, pp. 1156-1162.

Publications

by Members



Dr P Sivakumar, AMIE

Laboratory Assistant, Department of Civil Engineering, NERIST (Deemed University), Nirjuli, Arunachal Pradesh

1. Title of Paper: "Non-Unique Steady States in Water Distribution Networks with Flow Control Valves." *Journal of Hydraulic Engineering (ASCE)*, Vol. 142, DOI: 10.1061/(ASCE)HY.1943-7900.0001156, 04016029-1-7, 2016.

Co-authors : Gorev N B, Kodzhesspirova IF

2. Title of Paper: "Modeling of Flow Control Valves with a Nonzero Loss Coefficient." *Journal of Hydraulic Engineering (ASCE)*, Vol. 142, DOI: 10.1061/(ASCE)HY.1943-7900.0001197, 06016017-1-3, July 11, 2016.

Co-authors : Gorev N B, Kodzhesspirova IF



Mr R P Singh Kushwah, AMIE

Associate Professor, Head, Department of Civil Engineering, Arya College of Engineering and Research Jaipur, Rajasthan

Title of Paper: "Passive Cooling Effect of Marble Slurry", *International Journal of Research and Scientific Innovation (IJRSI)*, Vol. III, Issue. VII, July 2016.

Mr Susanta Ray, MIE



Title of Paper: "Quality of Packaged Drinking Water in Kolkata City, India and Risk to Public Health", *Desalination and Water Treatment, Taylor & Francis Group*, Published online: June 22, 2016. [DOI: <http://dx.doi.org/10.1080/19443994.2016.1196390>]

Co-authors : Pankaj Kumar Roy and Arunabha Majumder



Mr Sushil Sagar Sharma, FIE

Additional General Manager, Contract-Cell, HPPCL, Chakkar, Shimla (H.P.)

Title of Paper: "Geotechnical Characterisation of Flyash-Red mud mix Stabilised with Cement Kiln Dust", *International Journal of Engineering and Applications (IJCEA)* Vol. 5, No. 1, 2016.

Ms S Tharabai, AMIE

Title of Paper: "Page Ranking Using Machine Learning", *Proceedings of XX IDEA Annual Conference on 'Empowering India through Open and Distance Learning: Breaking Down Barriers, Building Partnership and Delivering Opportunities' hosted by Tamil Nadu Open University, Chennai, held during April 23-25, 2015, pp.468-470.*



Mr Girdhari Lal Dwivedi, FIE

Title of Paper: "Development of Water Resources Projects to Harness Untapped Potential of Godavari Basin: Opportunities and Challenges", *Water and Energy International*, Vol. 59, No.3, June 2016, CBIP New Delhi.

Co-author : Rajesh Shrivastava

Dr Komal P Mehta, AMIE

Head, Department of Civil Engineering, ITM Universe, Vadodra

Title of Paper: "Design of Reverse Osmosis System for Reuse of Waste Water from Common Effluent Treatment Plant", *International Research Journal of Engineering & Technology*, Vol. 2, Issue 4, July, 2015.



Publications

by Members

Mr Chepuri Akhilesh, AMIE

Research scholar, Transportation Engineering and Planning, Svnit Surat, Gujarat



Title of Paper: "Evaluation of BRTS Corridor in India Using Microscopic Simulation: A Case Study in Surat City", *Proceedings of the Eastern Asia Society for Transportation Studies*, Vol.10, 2015.

Ms Radha B N, MIE

Title of Paper : "Solar Powered Wireless Power Transmission", *International Journal of Emerging Technology and Advanced Engineering*, Vol. 6, No. 5, May 2016 (Online).



Mr Vinothkumar A, AMIE

Assistant Professor, Electronics & Communication Engineering, Dr M G R Educational and Research Institute University, Maduravoyal, Chennai

Title of Paper: "Attribute Based Encryption (Abe) Algorithm for Searching and Securing Encrypted Data", *ARPN Journal of Engineering and Applied Sciences* Vol.11, No.13, 2016, pp. 8246-8252.

Co-authors: M Anand and S Ravi

Mr Partha Sinha, MIE

Visiting Asst. Professor to GRD-IMT (Deharadun) & HOD, CAD/CAM at DSS Group of Institution, Dehra Dun, Uttarakhand.

Title of Paper: "Agricultural Applications of Unmanned Aerial Vehicles" *Annual Technical Volume of Aerospace Engineering Division Board of The Institution of Engineers (India)*, Vol. 1, June 2016.



Dr M Uttipati A Srinivasu, AMIE

Gajuwaka, Visakhapatnam

1. Title of Paper: "Analysis of Large Graph Partitioning and Frequent Subgraph Mining on Graph Data", *International Journal of Advanced Research in Computer Science (IJARCS)*, Vol. 6, Issue 7, September-October 2015, pp. 29-40.

2. Title of Paper: "Partitioning a Class-Oriented Model Graph (Software System) by Modified-MCL Algorithm", *International Journal of Advance Research in Computer Science and Management Studies (IJARCAMA)* Vol. 3, Issue 11, November 2015, pp. 162-172.

3. Title of Paper: "Unfolding and Boosting-based Graph Partitioning Approach for Object-Oriented System", *International Advanced Research Journal in Science, Engineering and Technology (IARJSET)*, Vol. 3, Issue 7, July 2016, pp. 122-128.

Mr Shankar H Sanni, MIE

Associate Professor, Department of Civil Engineering, Basaveshwar Engineering College, Bagalkot, Karnataka

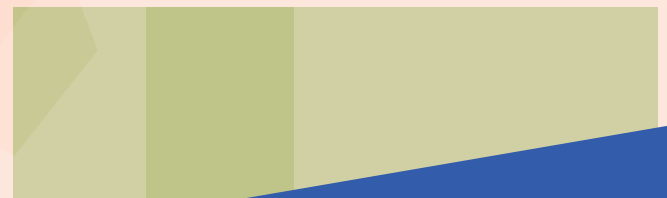


1. Title of Paper: "Performance of Geopolymer Concrete in Acidic Environment", *International Conference on 'Infrastructure Development for Environmental Conservation and Sustenance (INDECS-15)'*, ACE, Hosur, Tamilnadu, October 28-30, 2015, pp. 152-155.

Co-author : Dr. R. B. Khadiranaikar

2. Title of Paper: "Glass Powder as A Partial Replacement for Fine Aggregate in Concrete", *National Conference on 'Recent Advances in Civil Engineering and Architecture for Sustainable Development'*, Dayanand Sagar College of Engineering, and Technology, Bangalore, February 18-19, 2016.

Co-author : Keshavraj Girinivas



Publications

by Members



Mr Manas Kumar Parai, AMIE

Pursuing Ph.D from IEST, Shibpur, Howrah

1. Title of Paper: "Effective Structural Test Solution for Continuous Time Filter using Oscillation-Based Built-In-Self-Test Method", *International Journal of Electronics, Electrical and Computational System (IJECS), Academic Science, Vol. 2, Issue.4, September 2015, pp. 118-128.*

Co-authors : Banasree Das

2. Title of Paper : "Fault Detection of Continuous Time Filter using Non-linear Feedback based OBIST", *Proceedings, Sixth International Conference CODEC-2015, Institute of Radio Physics and Electronics, University of Calcutta, Kolkata, , pp CSS-2, December 16-18, 2015.*

Co-authors : Kasturi Ghosh, Hafizur Rahaman



Dr H D Sharma, FIE

Director, K P Engineering College, Agra

Title of Paper: Title of the paper: "Transmission Prices for Bilateral Contracts Optimization of Pool Contracts using GA and ABC", *International Journal Series in Engineering Science (IJSES), Vol. 1, Issue. 1, 2015, pp. 39-48.*

2. Title of the Paper: "Enhancement of ATC using UPFC under Deregulated Environment", *Journal of Power Electronics and Power Systems, Vol. 6, Issue. 1, 2016.*

Mr Hitesh Hirjibhai Nadiyapara, AMIE



Title of Paper: "A Review of Variable Slicing in Fused Deposition Modeling", *Journal of The Institution of Engineers (India), Series C, DOI: 10.1007/s40032-016-0272-7, June 17, 2016.*

Co-author : Sarang Pande



Dr Akshaya Kumar Rout, FIE

Associate Professor, School of Mechanical Engineering, KIIT University, Bhubaneswar, Orissa

Title of Paper: "FEM Modeling of Extrusion of Square Billet to Square Product through Cosine Dies", *Journal of The Institution of Engineers (India): Series C, DOI 10.1007/s40032-016-0245-x, June 2016.*

Co-author : Kalipada Maity & Susanta Kumar Sahoo

Dr S K Dutta, MIE

Former Prof & Head, Metallurgical & Materials Engineering Department, The M. S. University of Baroda., Kalabhavan, Vadodara

Recently contributed following two chapters on:

I. Direct Reduced Iron: Production, pp 1082-1108.

Co-author: R. Sah

II. Smelting Reduction Processes, pp 3208-3236.

Co-author : R. Sah

Encyclopedia of Iron, Steel, and Their Alloys, Eds. Rafael Colas and George E. Totten, published by CRC Press, Taylor and Francis Group, New York, March 2016.



Mr P Sudir, MIE

Assistant Professor, Department of Electronics & Communication, SJGIT, Chikkaballapur, Karnataka

1. Title of Paper: "An Effective Edge and Texture Based Approach towards Curved Videotext Detection and Extraction", *International Journal of System Dynamics Applications (IJSDA), Vol. 4, No. 3, 2015, pp. 1-29.*

2. Title of Paper: "A Framework for Curved Videotext Detection and Extraction", *International Journal of Engineering Research and Applications (IJERA), Vol. 6, Issue (January - 2016).*



Publications

by Members



Dr Devendra Gowda, AMIE

Assistant Professor, Department of Electrical Engineering, Sanjay Ghodawat Group of Institutes, Atigre

Title of Paper: "Modeling of Partial Discharge (PD) for Solid Insulation with Void and Building a Hardware Setup to Measure Partial Discharge", *Power and Energy Systems: Towards Sustainable Energy-2016 (IEEE PESTSE-2016)*, Amrita Vishwa Vidyapeetham University (Amrita Institute of Technology, Bangalore) Bangalore Campus.

Dr Rachayya R Arakerimath, FIE

Dean (Academics), Head Research Centre-Mechanical Engineering, Pune



1. Title of Paper: "Analysis of Various Frontal Beam Material and Section used in Passenger Vehicle", *International Journal of Innovations in Engineering Research and Technology [IJIERT]*, Vol. 3, Issue. 7, July 2016.

2. Title of Paper : "Deformation and Crack Analysis of Work Piece in Metal Powder Compaction Machine", *International Journal of Modern Engineering Research [IJMER]*, Vol. 6 Issue. 6, June 2016.

Mr Ajay Kumar Kushwaha, AMIE

Research Scholar, Department of Electronics Engineering, Indian School of Mines Dhanbad



1. Title of Paper: "Biquadratic Universal Filter Based on CCDDCCTA", *International Conference on Microelectronics, Computing and Communication (MicroCom 2016) [IEEE]*, January 2016, pp. 1-4, DOI: 10.1109/MicroCom.2016.7522412.

2. Title of Paper: "Current Mode Biquadratic Universal Filter", *IEEE Asia Pacific Conference on Postgraduate Research in Microelectronics and Electronics (PrimeAsia 2015) [IEEE]*, November 2015, pp. 42-46, DOI: 10.1109/PrimeAsia.2015.7450467.

Mr Syed Asghar Husain Rizvi, AMIE

1. Title of Paper: "Experimental Analysis and Optimization of Material Removal Rate of Aluminium 6061 in Plain Turning", *International Journal of Research in Engineering and Technology (IJRET)*, Vol. 5, Special Issue: 6, COTII-2016, May 2016.

2. Title of Paper: "Optimization of Surface Roughness of EN-40 in Wire-EDM", *IJRET: International Journal of Research in Engineering and Technology (IJRET)*, Vol. 5, Special Issue: 6, COTII-2016, May 2016.



Mr Dheeraj Singh, AMIE

Design Engineer, Cyient Limited

Title of Paper: "A Simulation Study on Graphene Composite for Aerospace", *Institute of Research and Journals (IRAJ), International Conference 'on Electrical, Electronics and Communication Engineering (IACEECE)', Hyderabad, India, November 22, 2015.*

Co-author- Mr. Ravi katukam



Mr Binulal B R, FIE

Department of Mechanical Engineering, College of Engineering Adoor

1. Title of Paper: Title of Paper: "Mass Flow Prediction of the Coriolis Meter using C0 Continuous Beam Elements" *Journal of Thermal Science Vol.24, No.4, 2015, pp.398-402.*



2. Title of Paper: "Dynamic Analysis of Coriolis Flow Meter using Timoshenko Beam Element" *Flow Measurement and Instrumentation (Elsevier)*, Vol. 47, 2016, pp.100-109.

3. Title of Paper: Experimental Determination of Time Lag Due to Phase Shift on a Flexible Pipe Conveying Fluid", *Measurement (Elsevier)*, Vol. No. 83, 2016, pp:86-95.

Publications

by Members



Mr C Narayanaswamy, MIE

1. Title of Paper: "A Study of Casting Defects and Supply Chain in Cast Iron Foundry Process" *International Journal of Applied Engineering Research*, Vol.10, No.55, 2015, pp 4022- 4028.

Co-author : Natarajan, K

2. Title of Paper: "Analysis of Casting Defects in a Cast Iron Foundry using FMEA Technique' *International Journal of Applied Engineering Research*, Vol.10, No.16, 2015, pp 37141-37149.

Co-author : Natarajan, K

3. Title of Paper: "Optimization of Casting Defects Analysis with Supply Chain in Cast Iron Foundry Process', *Metalurigiya*, Vol. 55, No. 4, 2016, pp 815-817.

Co-author : Natarajan, K

Sarun Maani Adukalil, AMIE



Key Accounts Manager - Supports, Department of Biomedical Engineering, Sedeer Medical Service LLC, Doha, Qatar

Title of Paper: "Preliminary Phytochemical Screening of Ethanolic Seed Extract of Theobroma Cacao (L.) and Coffee

Arabica (L.)" *Int.J.Curr.Res.Aca.Rev.* Vol. 4, No. 5, 2016, pp.197-209,

(<http://dx.doi.org/10.20546/ijcrar.2016.405.020>).

Co-author: Geedhu Daniel

Mr Satyabrata Mohonta, MIE

Title of Paper: "Effect of Crushing on Near-Gravity Material Distribution in Different Size Fractions of an Indian Non-Cooking Coal", *The Journal of The Southern African Institute of Mining and Metallurgy*, Volume 116, February 2016.

Co-authors : B.Sahoo, ID Behera, S Pradhan



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1. Title of Paper: "Ac Voltage Sags/Swells Compensation Based on Dynamic Voltage Restorer (DVR)", *International Journal of Technical Research and Applications*, Vol. 4, Issue 3, (May-June, 2016), pp. 306-309.

2. Title of Paper: "Monitoring and Controlling of Distribution Transformer Via Wireless Sensor Networks for Power Transformer Asset Management", *International Journal of Advanced and Innovative Research (IJAIR)*, Vol. 5, Issue 5, May 2016, pp. 206-211.



Mr H G Naikar, MIE

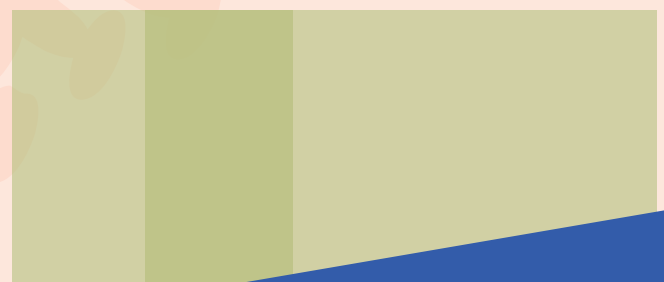
Research Scholar, Department of Civil Engineering, UBBDT College of Engineering and Technology, Davanagere, Karnataka

1. Title of Paper: "Effect Of Soil Structure Interaction On Multi Storied Building", *National Conference on 'Recent Advances in Civil Engineering-RACE2016'*, Department of Civil Engineering, S.J.C. Institute of Technology, Chickballapur, Karnataka, April 4-5, 2016.

Co-author: Dr. D. S. Prakash

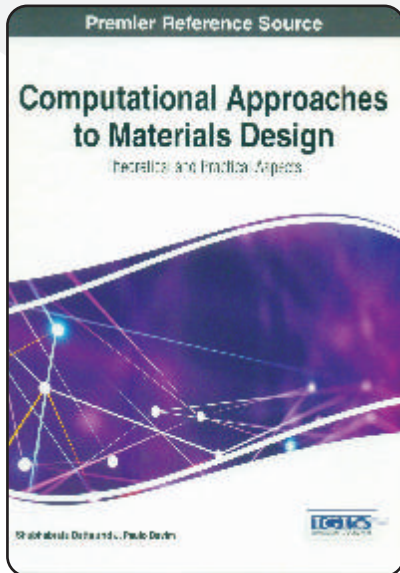
2. Title of Paper : "Effect of Soil Structure Interaction Analysis on a Reinforced Concrete Structures", *National Conference on 'Challenges of Civil Engineering Innovations (NCCCEI- 2016)'*, Department of Civil Engineering, Sri Venkateshwara College of Engineering, Bangaluru, Karnataka, May 4-5, 2016.

Co-author : Dr. D. S. Prakash



Book

Review



Computational Approaches to Materials Design: Theoretical and Practical Aspects by Dr Shubhabrata Datta, FIE

Calcutta Institute of Engineering and Management
Kolkata

The development of new and superior materials is beneficial within industrial settings, as well as a topic of academic interest. By using computational modeling techniques, the probable application and performance of these materials can be easily evaluated.

This book brings together empirical research, theoretical concepts, and the various approaches in the design and discovery of new materials. Highlighting optimization tools and soft computing methods, this publication is a comprehensive collection for researchers, both in academia and in industrial settings, and practitioners who are interested in the application of computational techniques in the field of materials engineering.

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Government Engineering College

Shreekrishnapuram, Kerala

Members

I have gone through the IEI Epitome June - 2016 issue. It is a really good initiative. One more feather in the cap of the prestigious Institution. IEI is great with great engineers. But to be seen as great, this Epitome contributes in its own way. Very colourful, very much readable, attractive etc.

Mr M S Murty, FIE

Thanks for sending this Epitome and very colourful information making me to read fully till the end. Members achievement, speech, publications etc. are all if possible give the link to read more in details instead of giving brief about that.

Hats off Technical team of IEI and their great effort of collecting information throughout the month.

Mr Charles, AMIE

IE(I) Epitome is providing a valuable service to its members and hopefully, these services shall encompass larger and larger horizon in the future. My sincere compliments to the editorial board.

Prof (Dr) C M Narayanan, MIE

Thank you very much for IEI Epitome, July 2016 issue. It looks impressive. I appreciate your efforts to keep the members informed about other fellow members and their achievements.

Dr N Subramanian, FIE

Speak

It's good to see lot of improvement and which will help us for giving such information.

Mr DVA Wewage, AMIE

Senior Electrical Engineer (Fast Attack Craft), Sri Lanka Navy

My Heartiest Congratulations to the Dynamic Team for Brilliant job; such an Excellent E-Newsletter.

Dr D P Kothari, FIE

Director – Research, Gaikwad-Patil Group of Institutions, Wardha Road, Nagpur

I am very happy to receive and go through the soft copy of IEI Epitome - July 2016. EXCELLENT!!!

I remember receiving the earlier issues also, but somehow missed going through them. My congratulations to the team for bringing out the magazine for the IEI Members.

Dr J P Barnwal, FIE

Chief Scientist & Head, Planning, CSIR-Advanced Materials & Processes Research Institute, Habibganj, Bhopal

I find our new online publication, very attractive and purposeful. The layout is commendable and well appreciable. Best wishes to the Editorial Board as well as The Institution of Engineers (India).

Mr R P Pillai, FIE



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IEI epitome

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