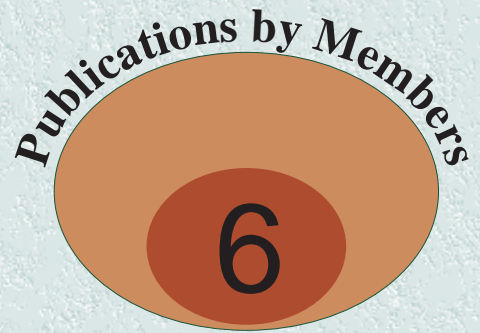
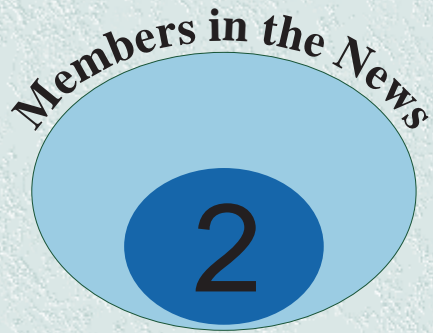


IEI Epitome

February 2017, Volume 2, Number 2



Members

in the News



Maj. Gen. (Dr.) S. Bhattacharya, VSM (Retd.), FIE

Secretary & Director General, The Institution of Engineers (India)

Awarded Ph. D. degree from SMVDU, Jammu & Kashmir for his thesis titled "Automotive Supply Chains in India: A Study of Manufacturer-Supplier Interface" in February 2017.



Prof. Parameshachari B. D., MIE

Head, Department of Telecommunication Engineering, G. S. S. Institute of Engineering and Technology for Women, Mysuru, Karnataka

Attended the International Conference on 'Advanced Material Technologies 2016' as Session Chair organized by

Indo-American Institutions – Technical Campus, Visakhapatnam, Andhra Pradesh during December 27-28, 2016.



Dr. Krishna Lok Singh, MIE

Senior Scientist, Structural Technologies Division, CSIR-National Aerospace Laboratories, Bengaluru, Karnataka

Delivered Invited Lecture on 'Characterization of Metallic, Composite and Special Materials' during National Symposium on

'Advanced Materials and Processing' organised by Department of Mechanical Engineering, Government Engineering College, Palakkad under Technical Education Quality Improvement Programme (TEQIP) phase II during January 20-21, 2017.

Mr. N. N. Kulkarni, AMIE

Visiting Faculty, Department of Electronics Engineering, AISSMS Institute of Information Technology, Pune, Maharashtra

Won "Best Innovative Project Award" in IEEE HAC Special Track of 2016

IEEE International Women in Engineering Conference on 'Electrical and Computer Engineering' jointly organized by AISSMS Institute of Information Technology, Pune and IEEE Pune & Bangladesh Section at Pune on December 20, 2016.



Mr. Ghana Shyama Khuntia, FIE

Former Council Member, IEI, Director, OMC Ltd. and Vice Chairman, The Mining, Geological & Metallurgical Institute of India (MGMI), Bhubaneswar, Odisha



Dr. Nagaraj Shenoy, FIE

Director, Indian Academy School of Management Studies, Bangalore, Karnataka

His profile has been featured in 'Communication Feature' of prestigious Dalal Street Investment Journal published on January 16, 2017.

- Elected as Vice Chairman of MGMI, Bhubaneswar and Advisor to Government of India on May 22, 2016 in a special meeting of MGMI, Bhubaneswar held at The Institution of Engineers (India), Odisha State Centre, Bhubaneswar.

- Delivered a talk on the topic "Sustainable Mining and Current Status of Iron Ore Mining and Future Road Map of Iron Ore Mining Industry in India with Emphasis of High Tech Mineral Beneficiation and Pellet Making at Mines Head" at Society of Geoscientist & Allied technologist, Bhubaneswar on November 01, 2016.

Members *in the News*



Dr. Umesh Barikar, AMIE

Department of Agricultural Engineering, Professor Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad, Telangana

Awarded with “Junior Scientist of the Year 2016” on the occasion of the National Conference on 'Food Security Issues and Environmental Challenges for Indian Agriculture in The Next Decades' organized by National Environmental Science Academy, New Delhi during November 19-20, 2016 at Punjab University, Chandigarh.

Mr. Venkata Narayana Angina, MIE

Research Officer (Water Supply), Rural Development Division, National Institution for Transforming India (NITI Aayog), Government of India

Participated in 'Digi Dhan Mela', 'Draw for Lucky Grahak Yojana' and 'Digi Dhan Vyapar Yojana' organized by NITI Aayog at Talkatora Stadium, New Delhi on December 30, 2016 in the august presence of Mr. Narendra Modi, Hon'ble Prime Minister, India and Mr. Ravi Shankar Prasad, Union Minister, Ministry of Information Technology, Government of India.



Mr. Vinay Kumar Shukla, MIE **Chartered Engineer (India)**

Deputy Manager, Department of Instrumentation, National Fertilizers Limited and Joint Honorary Secretary, Gwalior Local Centre, IEI



Won the 1st prize in 'Energy Conservation Slogan Competition 2016' organised by National Fertilizers Limited, Vijaipur, Guna, Madhya Pradesh on December 20, 2016. The winning Slogan was “Nazar Rakho Painy Ki Uurja Bacht Rahe, Upayog

Karo Aise Ki Uurja Milti Rahe.” The slogan was selected by Bureau of Energy Efficiency and posted on their website.

Dr. Amit M. Joshi, MIE

Assistant Professor, Electronics and Communication Engineering Department, Malaviya National Institute of Technology, Jaipur, Rajasthan



Chaired a session on the topic “Image Processing” in IEEE TENCON 2016-Technologies for Smart Nation organised by IEEE Singapore Section at Marina Bay Sands, Singapore during November 22-25, 2016. He has also presented a paper on the topic “Fingerprint based Biometric Watermarking Architecture using Integer DCT” during the Conference.

Prof.(Dr.) N. S. Srinivasan, FIE



- Received the “Distinguished Alumnus Award” from the Regents of the Alumni Association of the College of Engineering, Guindy at Chennai on March 20, 2016 in recognition of his outstanding service to India and other developing nations in the field of 'Traffic and Transportation Planning and Implementation of Projects'.

- Joined Saasvaap Techies Pvt. Ltd., Trivandrum as the President of its Intelligent Transport Systems (ITS) Unit on February 01, 2017.

Members

in the News



Prof. Rupa Ch., AMIE

*Department of Computer Science Engineering, V. R. Siddhartha Engineering College
Vijayawada, Andhra Pradesh*

Delivered a talk on 'Role of Mathematics in Cryptography: Assets & Attacks' during the National Seminar on 'Applications of Mathematics in Cryptography' as a Guest Speaker at Layola Group of Educations (UG and PG) at Old Alwal, Hyderabad on January 6, 2017.



Dr. S. Mohideen Badhusa, AMIE

Acted as a resource person for the National Workshop on "Development of Web Oriented Applications using PHP and MySQL" organized by Alva's Institute Engineering and Technology, Mijar, Mangalore during January 16-20, 2017 and offered hands-on-training on design and development of web oriented applications.



Mr. H. N. Bhanghe, MIE

*Assistant Professor, Department of Soil and Water Conservation Engineering,
College of Agricultural Engineering & Technology, Dapoli, Maharashtra*

Attended International Conference on "Eco-friendly and Socially Responsive Economy and Equity:

Issues and Challenges of 21st Century for Emergent Sustainable Development amongst SAARC Countries" jointly organised by Department of Zoology, Mohanlal Sukhadia University (MLSU), Udaipur and Deccan Education Society's Kirti M. Doongursee College, University of Mumbai at the campus of MLSU, Udaipur during January 09-11, 2017. He received "Best Poster Award" for the technical presentation on the topic "Groundwater Quality Assessment to Estimate its Appropriateness for Different Uses" and for the presentation.

Mr. D. Kesavaraja, AMIE

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



- Successfully completed the Faculty Development Programme on 'Use of ICT in Education for Online and Blended Learning,' approved AICTE and conducted by Indian Institute of Technology Bombay from May 2 to July 10, 2016.

- Delivered keynote address at National Workshop on 'Cloud Computing' organized by Department of Computer Science, St. Mary's College, Thoothukudi during December 1-2, 2016.

- Attended the One-day State Level Seminar on 'Big Data Analytics with Hadoop' organized by Department of Computer Application, Sri Paramakalyani College, Alwarkurichi on January 6, 2017.

Prof. Mallikarjunayya N. Hiremath, MIE

Head, Civil Engineering Department, PES Institute of Technology and Management, Shivamogga, Karnataka

Obtained Ph.D degree in Civil Engineering discipline on the topic "Fluoride Problem in Mundaragi Taluka of Karnataka and Column Studies on Defluoridation of Water using Low Cost Adsorbents" from Visvesvaraya Technological University Belagavi, Karnataka on December 16, 2016.



Members

in the News



Dr. Purna Chandra Saha, AMIE

Faculty Advisor, ASCE KIIT Student Chapter, Associate Professor, Department of Structural Engineering, School of Civil Engineering, KIIT University, Bhubaneswar, Odisha

Co-chaired a session on "New Building Materials for Sustainable Construction" during Structural Engineering Convention 2016 jointly organized by CSIR - Structural Engineering Research Centre (SERC) Chennai, Indian Institute of Technology Madras and Anna University at CSIR-SERC complex, Chennai during December 21 – 23, 2016.

Prof. Bhuvaneshwari C Melinamath, MIE

Department of Computer Science and Engineering, B. L. D. E. A's V. P. Dr. P. G. Halakatti College of Engineering and Technology, Vijayapur, Karnataka



Received "Karnataka Rajyostava Award" from Mr. M. B. Patil, Hon'ble Minister for Water Resources (Major & Medium Irrigation), Government of Karnataka on November 01, 2016, in recognition of her contribution to the 'Development of e-resources in Kannada Language'.



Brig. S. V. S. Chowdhry, FIE

Former Council Member, IEI

Received the prestigious "Bharat Gaurav Award" from Dr. Bhisham Narain Singh, Hon'ble former Governor of Tamil Nadu and Assam at an Awards Ceremony organized by the

India International Friendship Society at New Delhi on December 21, 2016.

Dr. Siddharth Kawduji Undirwade, MIE

Assistant Professor, Department of Mechanical Engineering, Priyadarshini College of Engineering, Nagpur, Maharashtra

Obtained Ph.D in Mechanical Engineering discipline on the topic, "Formulation of an Approximate Generalized Experimental Data Based Model for Sliver Cutting from Bamboo Energized by Human Powered Flywheel Motor" from Rastrasanta Tukadoji Maharaj Nagpur University, Nagpur on November 19, 2016.



Mr. Cherian Thomas, FIE

Head, Non-Destructive Testing & Technical Services Division, Rocket Propellant Plant, Vikram Sarabhai Space Centre, Thiruvananthapuram, Kerala

Honoured with "National NDT Award 2016" in recognition of his significant contribution to NDT Systems innovation and development from Indian Society for Non-destructive Testing (ISNT) & M/s. NDTS India (P) Limited, Navi Mumbai at Thiruvananthapuram during December 15-17, 2016.



Publications

by Members

Mr. Harsimran Singh, MIE

Deputy General Manager (G), South Eastern Railway, Kolkata, West Bengal

● **Title of Paper:** "Construction of 4-Lane Cable Stayed Road Over Bridge over Barddhaman Yard: A Case Study", *Journal of Indian Road Congress*, July-September, 2016, Vol. 77(2).

● **Title of Paper:** "Role of Civil Engineering in Sustainable Development of India", *Proceedings of 32nd National Convention of Civil Engineers organised by Goa State Centre, The Institution of Engineers (India) at Goa*



during October 21-22, 2016.

● **Title of Paper:** "Critical Analysis of Modern Roof Sheeting Solutions for Industrial Sheds", *Indian Railway Technical Bulletin*, Vol. LXXIII, No. 358, August 2016.

Dr. Ravi Kumar Gupta, AMIE

Post-Doc Fellow (ProRegio), IRCCyN - IS3P, Ecole Centrale de Nantes, France



Title of Paper: "Feature Based Building Orientation Optimization for Additive Manufacturing", *Rapid Prototyping Journal*, Vol. 22, Issue 2, March 01, 2016, pp. 358–376.

Co-author(s): Y. Zhang, A. Bernard, R. Harik

Title of Paper: "Leveraging Feature Information for Defeaturing Sheet Metal Feature-based CAD part Model", *Computer-Aided Design and Applications*, Vol. 13, Issue 06, April 19, 2016, pp. 885-898.

Co-author(s): Y. H. Kulkarni, A. Sahasrabudhe, M. Kale, A. Bernard

Title of Paper: "Two-dimensional Placement Optimization for Multi-Parts Production in Additive Manufacturing", *Robotics and Computer- Integrated Manufacturing*, Vol. 38, April 2016, pp. 102-117.

Co-author(s): Y. Zhang, A. Bernard

Mr. Abdullah Anwar, AMIE

Assistant Professor, Department of Civil Engineering, Integral University, Lucknow, Uttar Pradesh

● **Title of Paper:** "Effect of Copper Slag as Partial Replacement of Fine Aggregate in Concrete", *International Journal of Innovative Research in Science, Engineering and Technology*, Vol.5, Issue 12, December 2016, pp. 20786-20789.

Co-author(s): Abhinav Shyam, Syed Aqeel Ahmad



● **Title of Paper:** "The Influence of Waste Glass Powder as a Pozzolanic Material in Concrete", *International Journal of Civil Engineering and Technology*, Vol.7, Issue 6, November-December 2016, pp. 131-148.

● **Title of Paper:** "Determination of Liquefaction Potential by Sub-surface Exploration using Standard Penetration Test (SPT)", *International Journal of Innovative Science, Engineering and Technology*, Vol.2, Issue 10, October 2015, pp. 751-760.

Co-author(s): Sabih Ahmad, M. Z. Khan, Syed Mohd. Ashraf Husain

Mr. Purushottam B. Pawar, AMIE

Lecturer, Department of Mechanical Engineering, SVPM's ITE Malegaon (BK), Tal-Baramati, Pune, Maharashtra



Title of Paper: "Machining of Aluminium Matrix Composite with Laser Assisted Machining (Lam)-A Review", *Proceedings of 6th International Conference on Recent Trends in Engineering and Management organized by Shri Guru Teg Bahadur Khalsa College, Punjab* on January 8, 2017, pp. 1257-1263.

Co-author: Dr. Abhay Utpat

Publications

by Members

Mr. Gopakumar R., MIE

Trivandrum, Kerala

Title of Paper: "A Study on the Abrasion Resistance, Compressive Strength and Hardness of Banana- Fibre Reinforced Natural Rubber Composites", *International Journal of Advanced Research in Engineering and Technology*, Vol. 7, Issue 3, May-June 2016, pp. 42-55.



Dr. Purna Chandra Saha, AMIE

Faculty Advisor, ASCE KIIT Student Chapter, Associate Professor, Department of Structural Engineering, School of Civil Engineering, KIIT University, Bhubaneswar, Odisha



Title of Paper: "Seismic Response Control of Smart Base Isolated Benchmark Building using Hybrid Control Strategy (Viscous Fluid Damper with MR Damper)", *10th Structural Engineering Convention 2016 jointly organized by CSIR - Structural Engineering Research Centre Chennai, Indian Institute of Technology Madras and Anna University at CSIR-SERC complex, Chennai during December 21-23, 2016.*

Mr. Arun Agarwal, MIE

Assistant Professor, Department of Electronics & Instrumentation Engineering, ITER, Siksha 'O' Anusandhan University, Bhubaneswar, Odisha



● **Title of Paper:** "Internet of Things (IoT) – A Technological Analysis and Survey on Vision, Concepts, Challenges, Innovation Directions, Technologies and Applications (an Upcoming or Future Generation Computer Communication System Technology)", *American Journal of*

Electrical and Electronic Engineering, Vol. 4, No. 1, February 2016, pp. 23-32.

● **Title of Paper:** "Solar Powered Mobile Power Bank Systems" *American Journal of Electrical and Electronic Engineering*, Vol. 4, No. 5, December 2016, pp 148-151.

● **Title of Paper:** "Cognitive Radio: A Technological Review on Technologies, Spectrum Awareness, Channel Awareness and Challenges", *Proceedings of 3rd International Conference on 'Computational Intelligence in Data Mining' organised by KIIT University at Bhubaneswar, Odisha during December 10-11, 2016 and published by Advances in Intelligent Systems and Computing, Springer.*

Dr. Mahendra Pratap Choudhary, FIE

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



● **Title of Paper:** "Heavy Metal Concentrations in Topsoil along National Highway-12, Kota-Deoli (Tonk)", *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 5, Issue 8, August 2016, pp. 14793 – 14802.

Co-author: Yogesh Kumar Kushwah

● **Title of Paper:** "Evaluation of Physico-chemical Parameters of Alania and Lakhawa Natural Wetlands of Kota, India with regard to Aquatic Organisms and Wildlife Species", *International Journal of Emerging Technology and Advanced Engineering*, Vol. 6, Issue 8, August 2016, pp. 54–61.

Co-author: Govind Singh Chauhan

● **Title of Paper:** "Assessment of Vehicular Air Pollution in Kota City, Rajasthan", *International Advanced Research Journal in Science, Engineering and Technology*, Vol. 3, Issue 7, July 2016, pp. 268–272.

Co-author: Himanshu Gupta

Publications

by Members

Mr. N. N. Kulkarni, AMIE

Visiting Faculty, Department of Electronics Engineering, AISSMS Institute of Information Technology, Pune, Maharashtra



Title of Paper: "Extracting Salient features for EEG based Diagnosis of Alzheimer Disease using Support Vector Machine Classifier", *IETE Journal of Research published by Taylor and Francis (UK), October 21, 2016, pp. 1-12.*

Co-author: V. K. Bairagi

Mr. Chandra Prakash Kumar, FIE

Scientist 'G', National Institute of Hydrology, Roorkee, Uttarakhand



Title of Paper: "Groundwater Studies at National Institute of Hydrology, Roorkee, India", *International Journal of Current Trends in Engineering & Research, Vol. 3, Issue 1, January 2017, pp. 1-15.*

Title of Paper: "Subsurface Water Modelling using SWIM and FEFLOW", *Asia Pacific Journal of Research, Vol. I, Issue XLVII, January 2017, pp. 7-19.*

Mr. Nidagha Kumar Rayaguru, MIE

Associate Professor, Department of Electronics and Electrical Engineering, Veltech Multitech, Chennai, Tamilnadu



Title of Paper: "Human Powered Sewing Machine for Clean Electric Power Generation", Proceedings of International Conference on 'Green Power Technology in Power Grid: Issues, Challenges & Control' organized by Department of Electronics and Electrical

Engineering, Sri Venkateshar University at Tirupati during November 16-18, 2016.

Co-author(s): Sunil Kumar Thakur, Kondala Maheswa



Ms. Sushama Arjun Kolhe, AMIE

Head, Department of Electronics and Telecommunication Engineering, Guru Gobind Singh Polytechnic, Nashik, Maharashtra

Title of Paper: "A Driverless Metro Train Using 89s52 Microcontroller", *Proceedings of 6th International Conference on 'Recent Trends in Engineering, Science & Management' at Gurru Tej Bahadur Khalsa College, Anandpur Sahib, Punjab on January 08, 2017.*

Co-author: Sakshi Waje

Title of Paper: "Attainment of Course Outcomes for Microcontroller Course by using Direct-Indirect Method", *International Journal of Innovative Research in Science, Engineering and Technology, Vol. 5, Issue 12, December 2016.*

Co-author: Vidya Palve

Prof. R. Visvanathan, FIE

Anbil Dharmalingam Agricultural College and Research Institute, Tamil Nadu Agricultural University, Trichirappalli, Tamilnadu



Title of Paper: "A Biodegradable and Edible Packaging Film based on Papaya Puree, Gelatin and Defatted Soy Protein", *Food Packaging and Shelf Life, Vol. 10(1), November 01, 2016, pp. 60-71.*

Co-author(s): Sreedath Tulamandla, Syed S.H. Rizvic, Rekha S. Singhal, Sanjay Kr. Chattopadhyaya, Narayana Chandra Saha

Dr. Siddharth Kawduji Undirwade, MIE

Assistant Professor, Department of Mechanical Engineering, Priyadarshini College of Engineering, Nagpur, Maharashtra

Title of Paper: "Experimental Investigation of Processing Time, Number of Slivers and Resistive Torque Required for Human Powered Bamboo Sliver Cutting Operation", *Journal Bamboo and Rattan, Vol. 14, No. 1-4, December 31, 2016, pp. 33-51.*



Co-author(s): Dr. M. P. Singh, Dr. C. N. Sakhale

Publications

by Members

Prof. K. Chandra Shekar, FIE

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

- **Title of Paper:** "Strengthening in Fracture Behaviour of CNT and Carbon-Fibre-Reinforced Epoxy-Matrix Hybrid Composite", *Sadhana* published by Springer, Vol. 41, Issue 12, December 2016, pp. 1443-1461.

Co-author(s): B. Anjaneya Prasad, N. Eswara Prasad



Dr. Jayant G. Joshi, MIE

Department of Electronics and Telecommunication Engineering, Government Polytechnic, Nashik, Maharashtra

- **Title of Paper:** "Tri-band Wearable Microstrip Patch Antenna," *Proceedings of 15th Biennial International Symposium on Antennas and Propagation 2016* organized by Department of Electronics, Cochin University of Science and Technology (CUSAT) at Kochi, Kerala during December 15-17, 2016, pp. 109-112.



Mr. Satyendra Kumar Singh, FIE

- **Title of Paper:** "Indian Industry: Sustainable Recovery Yet to Happen", *MMI Modern Manufacturing India*, Vol. 4, No. 4, July 2016, pp. 32-34.

Mr. S. Hariharasudhan, AMIE

Research Scholar Bharath University, Chennai, Tamilnadu

- **Title of Paper:** "A Formulated Analysis of Pattern Recognition Technical Approach on Various Research Oriented Medical Applications", *International Journal of Advanced Research and Development*, Vol. 1, Issue 8, August 2016, pp. 45-47.

Co-author: Dr. Raghu B.

- **Title of Paper:** "Bilateral Filtering Associated with Bilateral Neural Networks Based Automatic Noise Removal System for Brain Images", *ARPN Journal of Engineering and Applied Sciences*, Vol. 12, No. 1, January 2017, pp. 177-181.

Co-author: Dr. Raghu B.

- **Title of Paper:** "Specialized Hyper Spectral Image Compression using 3 Dimensional Factorization Technique and Its Thriving Performance Analysis", *International Journal of Advanced Research and Development*, Vol. 2, Issue 1, January 2017, pp. 1-4.

Co-author: Dr. Raghu B.



Mr. Ankush Thappa, AMIE

- **Title of Paper:** "Design and Analysis of Connecting Rod Using 42CrMo4 (High grade steel); Titanium Ti-6Al-4V (Grade 5), STA; Aluminum 6061-T6; 4340 Alloy Steel and Maraging Steel", *Imperial Journal of*

Interdisciplinary Research, Vol. 2, Issue 11, October 31, 2016, pp. 2075-2098.



Dr. Pralay Pal, MIE

- **Title of Paper:** "Antecedents and Imperatives of Integrating SCM and ERP in Manufacturing Organizations: A Conceptual Perspective with Big Data Analytics", *International Journal of Computer Technology and Application*, Vol. 9, Issue 10, 2016.

Co-author(s): Shree Ranjan, Vijay K. Jha



Publications

by Members

Mr. Manish Kumar, MIE

Head, Department of Instrumentation & Control Engineering, Government Polytechnic Jammu, Jammu & Kashmir

- **Title of Paper:** "Zigbee Based Smart Street Light Control System using LabVIEW", *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 5, Issue 4, April 2016, pp. 5340-5346.



- **Title of Paper:** "Pedestrian Aware Automatic Street Light Using Motion Sensor, LabVIEW and ZigBee", *International Research Journal of Advanced Engineering and Science*, Vol. 1, Issue 4, October 09, 2016, pp. 1-4.

Mr. Rishiraj Sarker, AMIE

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



- **Title of Paper:** "A Bluetooth based Sophisticated Home Automation System using Smartphone", *Proceedings of IEEE International Conference on 'Intelligent Control Power and Instrumentation'* organized by Departments of Electrical Engineering and Applied Electronics & Instrumentation Engineering of RCC Institute of Information Technology at The Lalit Great Eastern, Kolkata during October 21-23, 2016.

Co-author(s): S. Ganguly, S. Das, S. Ghosh, D. Sengupta

Mr. Prashant Basavaraj Bhagawati, AMIE

- **Title of Paper:** "Separation of Pollutants from Pulp Mill Wastewater by Electro-coagulation", *International Journal of Energy Technology and Policy*, Vol. 13(1-2), January 01, 2017, pp. 166-170.

Co-author: C. B. Shivayogimath



Prof. (Dr.) Arindam Ghosal, AMIE

Department of Mechanical Engineering, Graphic Era University, Clement Town, Dehradun, Uttarakhand



- **Title of Paper:** "Optimization Process during Laser Machining of 2mm Thick Al/Al₂O₃ Metal Matrix Composite", *Proceedings of International Conference on 'Mechanical Engineering and Electrical Systems'* organised by Universiti Teknologi MARA, Malaysia at Hong Kong during December 04-06, 2016.

- **Title of Paper:** "Machining Parameters optimization during Machining of Al/5wt% Alumina Metal Matrix Composite by Fiber Laser", *Proceedings of International Conference on 'Thermal Engineering' 2016* organised by Bangladesh University of Engineering and Technology at Dhaka, Bangladesh during December 22-24, 2016.



Mr. Vishnu Rajaram Bankar, AMIE, Chartered Engineer (India)

Line Engineer, Bajaj Auto Ltd., Pune, Maharashtra

- **Title of Paper:** "Sub-Assembly Supplier Improvement by TPM Way", *Technical Journal published on the occasion of All India Seminar on 'Towards Sustainable Development in Engineering Sector in Next Decade'* organised by Pune Local Centre, The Institution of Engineers (India) at Pune during October 15-16, 2016, Vol. 40, pp. 112-122.

Mr. Janak Kiritkumar Shah, AMIE

Assistant Engineer, Road and Building Department, Government of Gujarat

- **Title of Paper:** "Comparative Study of Fire Resistant Design of Steel Structures as per IS800:2007, AS4100:1998, AISC360:2010 and EN1993-1-2", *Proceedings of Structural Engineering Convention 2016* jointly organized by CSIR – Structural Engineering Research Centre Chennai, Indian Institute of Technology Madras and Anna University at CSIR-SERC complex, Chennai during December 21-23, 2016.



Publications

by Members

Mr. Mantra Prasad Satpathy, AMIE

Assistant Professor, Department of Mechanical Engineering, Faculty of Science and Technology, IFHE University, Hyderabad



Title of Paper: "Mechanical Performance and Metallurgical Characterization of Ultrasonically Welded Dissimilar Joints", *Journal of Manufacturing Processes*, Vol. 25, January 2017, pp. 443-451.

Mr. Darshan J. Mehta, AMIE

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

- **Title of Paper:** "Computer Modeling of Water Distribution Network: A Case Study of Punagam Area, Surat City", *Proceedings of National Conference on 'Water Resources and Flood Management with Special Reference to Flood Modeling'* organised by S. V. National Institute of Technology at Surat during October 14-15, 2016.



Co-author(s): Namrata Kathoriya, Sahita Waikhom, Vipin Yadav

- **Title of Paper:** "Simulations of Pressure Variations within Punagam Water Distribution System using WATERGEMS", *Proceedings of 21st International Conference on 'Hydraulics, Water Resources and River Engineering': Hydro 2016* jointly organized by Central Water and Power Research Station (CWPRS) and Indian Society for Hydraulics, Pune at the premises of CWPRS Pune during December 08-10, 2016.

Co-author(s): Sahita Waikhom, Vipin Yadav

- **Title of Paper:** "Stable Channel Design of Tapi River using HEC-RAS for Surat Region", *Proceedings of 21st International Conference on 'Hydraulics, Water Resources and River Engineering': Hydro 2016* jointly organized by Central Water and Power Research Station (CWPRS) and Indian Society for Hydraulics, Pune at the premises of CWPRS Pune during December 08-10, 2016.

Co-author(s): Dr. S. M. Yadav, Sahita Waikhom, Keyur Prajapati

Mr. H. N. Bhange, MIE

Assistant Professor, Department of Soil and Water Conservation Engineering, College of Agricultural Engineering & Technology, Dapoli, Maharashtra

Title of Paper: "Groundwater Quality Assessment to Estimate Its Appropriateness for Different Uses", *Proceedings of International Conference on 'Eco Friendly and Socially Responsive Economy and Equity: Issues and Challenges of 21st Century for Emergent Sustainable Development amongst SAARC Countries'*, jointly organised by Department of Zoology, Mohanlal Sukhadia University (MLSU), Udaipur and Deccan Education Society's Kirti M. Doongursee College, University of Mumbai at the campus of MLSU, Udaipur during January 09-11, 2017.



Co-author(s): P. K. Singh, P. M. Ingle, B. K. Gavit

Prof. Parameshachari B. D., MIE

Head, Department of Telecommunication Engineering, G. S. S. S. Institute of Engineering and Technology for Women, Mysuru, Karnataka



- **Title of Paper:** "A Comparative Study on Improving the Performance of Solar Power Plants through IOT and Predictive Data Analytics", *Proceedings of IEEE International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques 2016* organized by G.S.S.S. Institute of Engineering & Technology for Women at Mysuru during December 09-10, 2016, pp. 89-91.

- **Title of Papers:** (a) "Cloud Computing – A Unified Approach for Surveillance Issues" and (b) "PCB Fault Detection using Image Processing", *Proceedings of International Conference on 'Advanced Material Technologies 2016'* organized by Dadi Institute of Engineering & Technology at Visakhapatnam, Andhra Pradesh during December 27-28, 2016, pp. (a)148-153, (b) 342-348.

Institutional Members

Usha Rama College of Engineering and Technology Telaprolu, Gannavaram, Andhra Pradesh

The Department of Civil Engineering, Usha Rama College of Engineering and Technology organised One-day Workshop on 'Environmental Impact Assessment' on 27-12-2016. The main objective of this activity is to create awareness on various theoretical concepts of Environmental Impact Assessment (EIA), which has become a prerequisite and mandatory for approval of any kind of project.



Programmes by Institutional Members

Two Days Workshop on “Sustainability of Energy Sector”

March 17-18, 2017

Velammal College of Engineering and Technology
Madurai-Rameswaram High Road, Viraganoor, Madurai, Tamilnadu

Two Days Lecture Workshop on "Challenges and Opportunities in Power Electronics Research (CHOPPER)”

April 21-22, 2017

E. G. S. Pillay Engineering College, Nagapattinam, Tamilnadu

International Conference on “Power and Energy Systems ICPES'17”

April 21-22, 2017

Velammal College of Engineering and Technology
Madurai-Rameswaram High Road, Viraganoor, Madurai, Tamilnadu

All India Workshop on "Applications of MATLAB in Research"

April 24-30, 2017

B. L. D. E. A's V. P. Dr. P. G. Halakatti College of
Engineering and Technology, Vijayapur, Karnataka

Two Days National Workshop on “Advances in Robotics and Automation in Indian Industries”

April 28-29, 2017

E. G. S. Pillay Engineering College, Nagapattinam, Tamilnadu

Welcome to IEI : New Institutional Members

Hindusthan Institute of Technology
Coimbatore, Tamilnadu



College of Technology and Engineering
Udaipur, Rajasthan

Coimbatore Institute of Technology
Coimbatore, Tamilnadu



Department of Technology
Shivaji University
Vidyanagar, Kolhapur

R. M. K. Engineering College
RSM Nagar, Kavaraipettai, Tamilnadu



R. M. D. College of Engineering
Thiruvallur DT, Tamilnadu

Haldia Institute of Technology
Haldia, West Bengal



book review



Mr. Bhagawan Prasad, AMIE, Chartered Engineer (India)

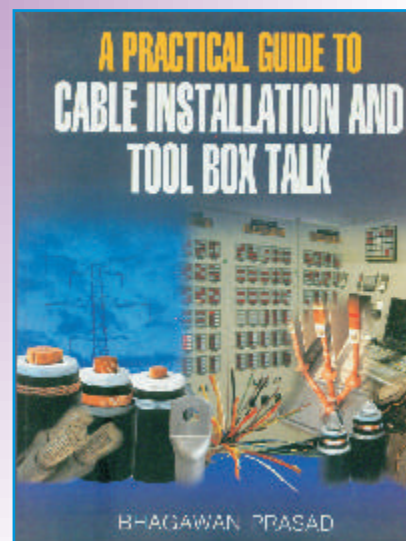
Deputy Manager Electrical, Panipat Refinery Township
IOCL, Panipat, Haryana

Publisher: Discovery Publishing House Pvt. Ltd.

Title: A Practical Guide to Cable Installation and Tool Box Talk

The author made a sincere endeavour to present the first edition of this book for power engineers. The book covers all relevant information on cable to meet the needs of cable engineers, planners, estimators, designers, purchasers, contractors and consultants. The subject matter specially cable selection has been illustrated with various examples, so that, readers can select cable size for different purposes. Requirement of Communication cable has also been incorporated, so that, broad idea in this respect can be achieved.

This book will be helpful for ITI/Diploma/AMIE/B-tech students who are pursuing different types of courses in electrical engineering.



ESSENTIAL OF CONSTRUCTION PLANNING AND MANAGEMENT



Author: Prof. (Dr.) S. K. Das

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

Department of Civil Engineering, Techno India Group, Kolkata

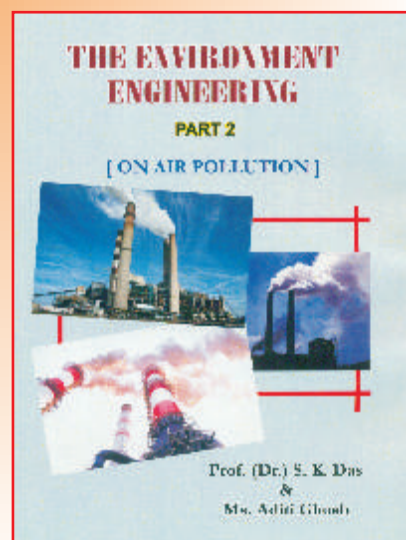
Title: Essential of Construction Planning and Management

The book deals with the general construction principles, tendering and contract management, building bye-laws, fire protection, construction equipments and PERT/CPM. The author shared his hands on experience as a construction engineer in a very concise manner. The book would be helpful to the construction engineers, developers and the concerned faculties. The book is recommended for the students, faculties, researchers and the practicing engineers. It has been prepared encompassing the some portions of the syllabus of Civil Engineering discipline of Maulana Abul Kalam Azad University of Technology [formerly known as West Bengal University of Technology].

Title: The Environment Engineering Part 2 (On Air Pollution)

The book comprises various topics of pollution and other forms of pollution of the environment which are the causes of global environmental issues and climate changes. The book covers the topics like air pollution and its control, noise pollution, water pollution, global environmental issues as well as administrative control on environment and environment laws. This knowledge base would be helpful to the students and faculties of Civil Engineering discipline to make the environment clean and green. This book has been prepared embracing some portions of the syllabus of Civil Engineering discipline of Maulana Abul Kalam Azad University of Technology [formerly known as West Bengal University of Technology].

Co-author: Ms. Aditi Ghosh



Members' Speak

It is my pleasure to read IEI Epitome. It brings true recognition to the achiever in Engineers Community. The quality and presentation is excellent. My best wishes for continuous improvement and achieve excellence. There is a lot happening in industries as well as in conferences which is not captured in public papers. I suggest to invite and include innovations carried out in industries and the man behind it as a part of such recognition.

Mr. Joy M. Shah, FIE

Senior Vice President (Technology),

Reliance Industries Limited, Reliance Corporate Park, Navi Mumbai, Maharashtra

It has been a great pleasure to be a part of The Institution of Engineers (India). Glad to know the members publications. I would wish to compliment all the team members of IEI for bringing out this beautiful and colourful e-newsletter named IEI Epitome. It is indeed a very useful publication that brings the members closer to the Institution by providing data on various activities of the members. This is also a vital step towards saving of paper and helping our environment. In the era of internet, it is the need of the hour. The printed information is very concise and to the point, which is very important from the point of persuasion of a reader. I admire the initiative by the IEI and extend my warm appreciation to all people associated with the process.

Mr. Abdullah Anwar, AMIE

Assistant Professor, Department of Civil Engineering, Integral University

Lucknow, Uttar Pradesh

My wholehearted regards to IEI Epitome team for highlighting the IEI members of various technical exposure and their technical works like technical paper presentations, publication of book etc. I am feeling very proud that I am a Member of The Institution of Engineers (India). Congratulations to the highly qualified Epitome team.

Mr. K. S. Raghu Ram, MIE

Assistant Head, Department of Mechanical Engineering,

Vignan's Institute of Information Technology, Visakhapatnam, Andhra Pradesh

It's really very good initiative by the Institution to provide opportunity to professionally qualified persons to be on IEI Epitome platform and provide expert views as it is the right platform to excel in their field.

Mr. Harjinder Singh Bhatia, MIE

Chartered Engineer (India) & Valuer

Mohali, Chandigarh

Please accept hearty congratulations and my sincere appreciation for the e-newsletter 'IEI Epitome'. Just gone through the December 2016 issue. It is a wonderful newsletter which covers recent achievements of corporate members, member institutions and recent publications by the members. It is a great effort by your dedicated team. I wish your team all the best and Happy New Year. May God give more strength to you and your team for serving the technical fraternity.

Mr Mahendar Pal Singh, MIE

Scientist, ISRO, Bengaluru, Karnataka

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IEI epitome

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