

# Epitome

August 2017, Volume 2, Number 8

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# Members

## in the News

### **Dr. K. Gopalakrishnan, FIE**

*Council Member and Chairman, Research and Development Committee, IEI*



Invited as Jury Board Member for 'Industrial Design Award Contest' and also as Speaker at GID Forum-International Trade Fair held at Ekaterinburg, Russia during July 10-13, 2017.

### **Mr. B. Shyam Sundar, MIE**

*Corporate Head, Engineering Project Management, Circor International, Naranapuram, Tamilnadu*

Accomplished a significant achievement of passing the Project Management Professional Certification Examination conducted by Project Management Institute, USA on March 19, 2017.



### **Brig. S. V. S. Chowdhry (Retd.), FIE**

*Former Council Member, IEI*



Received the prestigious 'Dr. A. P. J. Abdul Kalam Excellence Award' from the India International Friendship Society at New Delhi on May 27, 2017 for his outstanding individual achievements and distinguished services for the Nation.

### **Dr. Ambresh P. Ambalgi, MIE**

*Assistant Professor, Department of P.G. Studies & Research in Electronics, Mangalore University, Mangalore, Karnataka*

Received "Research Excellence Award 2017" from Institute for Exploring Advances in Engineering, India on June 20, 2017, Karnataka for his research work titled "Rectangular Microstrip Antenna with Slot Embedded Geometry" published in Journal of the Institution of Engineers Series B, Electrical, Electronics & Telecommunication and Computer Engineering.



### **Prof. Hemraj Ramdas Kumavat, MIE**

*Assistant Professor, Department of Civil Engineering, R. C. Patel Institute of Technology, Shirpur, Dhule, Maharashtra*



- Participated in the Workshop on "Engineering Optimization and Its Application" organised by Government College of Engineering, Aurangabad under Technical Education Quality Improvement Programme (TEQIP) of Government of India during January 30-31, 2017.
- Participated in the Seminar on "Advanced Application of Geosynthetics in Civil Engineering Practice" organised by Indian Geotechnical Society, Baroda Chapter in association with Vadodara Local Centre, IEI during January 28-29, 2017.
- Received a grant of ₹ 70,000/- from North Maharashtra University, Jalgaon for conducting the research work on "Condition Assessment of Concrete Quality by Non-destructive Testing" on September 10, 2016.

### **Dr. C. K. Narayanappa, FIE**

*Associate Professor, Department of Medical Electronics, M. S. Ramaiah Institute of Technology, Bengaluru, Karnataka*

- Chaired a session in the 2nd IEEE International Conference on 'Recent Trends in Electronics, Information and Communication Technology 2017' organised by Sri Venkateshwara College of Engineering at Bengaluru during May 19-20, 2017.



- Participated as a resource person in the Workshop on 'Image Processing using MATLAB' organised by Institution of Electronics and Telecommunication Engineering, Bengaluru Chapter at SJC Institute of Technology, Chikkaballapur and delivered a technical talk on "Image Restoration with Hands-on" on July 04, 2017.
- Chaired a session in the International Conference on 'Signal, Image Processing, Communication and Automation 2017' organised by JSS Academy of Technical Education, Bengaluru on July 07, 2017.

# Members

in the News

## **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 prestigious “Kittur Rani Chennamma Award” for her contribution to Kannada language (computational perspective) from Government of Karnataka on the eve of International Women’s Day on March 08, 2017 at Bengaluru. The award was handed over by Sri Siddaramaiah, Hon’ble Chief Minister of Karnataka and Smt. Umashree, Hon’ble Minister, Women and Child Development, Empowerment of Different Abled and Senior Citizen and Kannada and Culture, Government of Karnataka.



## **Dr. Mamata Sameer Patwardhan, MIE**

*Assistant Professor, Dr. Annasaheb Shinde College of Agricultural Engineering, Rahuri, Maharashtra*

Received Ph.D. degree in Electrical Engineering discipline on the topic “Analysis and Improvement of Electrostatic Field Effect on Germination of Tomato Seeds” from Dr Babasaheb Ambedkar Marathwada University, Aurangabad on May 30, 2017.

## Call for Papers

### IEI AWARDS

The Steel Authority of India Ltd (SAIL) had instituted two Awards, namely, SAIL AWARD and DR M VISVESVARAYA AWARD to be given away every year during the Indian Engineering Congress to author/s of the articles adjudged best on selected topics. The topics for the year 2017 are given hereunder.

#### **SAIL AWARD**

**‘Growth of India’s Steel Sector Amidst Global Overcapacity: Challenges for 300 MT Steel Vision’**

#### **DR M VISVESVARAYA AWARD**

**‘Sustainability of Steel in the Transition to a Low Carbon Economy’**

The Coal India Ltd (CIL) had instituted an Award to perpetuate the memory of Late J G Kumaramangalam, its first Chairman to be awarded every year during the Indian Engineering Congress to author/s of the articles adjudged best on a selected topic. The topic for the year 2017 is given below.

#### **COAL INDIA (J G KUMARAMANGALAM MEMORIAL) AWARD**

**‘Safety Culture Promotional Strategy for Large Coal Mining Company – Indian Perspective’**

Intending contributors are requested to submit their articles (visit [www.ieindia.org/jourtechdwnlds.aspx](http://www.ieindia.org/jourtechdwnlds.aspx) for guidelines) in quadruplicate to Director (Technical), The Institution of Engineers (India), 8 Gokhale Road, Kolkata 700 020 by August 31, 2017.

# Publications by Members

## Mr. Sachin Ganpatrao Ghalme, MIE

Assistant Professor, Department of Mechanical Engineering, Sandip Institute of Technology and Research Center, Nashik, Maharashtra



**Title of Paper:** "Wear Performance Optimization of Silicon Nitride ( $\text{Si}_3\text{N}_4$ )-hexagonal Boron Nitride (hBN) Composite Using Genetic Algorithm (GA)", *Recent Patents on Materials Science*, Vol 10, Issue 1, 2017.

## Dr. Mahendra Pratap Choudhary, FIE

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

**Title of Paper:** "Assessing Environmental Impacts of a Cement Industry during its Operation Phase", *International Journal of Research and Scientific Innovation*, Vol. IV, Issue VS, May 2017, pp. 65-68.

Co-author: Divya Gupta



## Dr. N. Kishore Nath, FIE

Scientist F and Deputy Project Director, Advanced Systems Laboratory, Dr. A. P. J. Abdul Kalam Missile Complex, DRDO, Hyderabad, Telangana



**Title of Paper:** "Vectoring Tests on Flex Nozzle System of Solid Rocket Motor Using Electro Mechanical Actuators", *Journal of Manufacturing Technology Today*, Vol. 16, Issue 01, January 2017, pp. 3-8.

## Dr. Sirisha Adamala, AMIE

Assistant Professor, Department of Applied Engineering, Vignana's University, Vadlamudi, Andhra Pradesh

**Title of Paper:** "Enhancing Nitrogen Removal Efficiency of Domestic Wastewater through Increased Total Efficiency in Sewage Treatment (ITEST) Pilot Plant in Cold Climatic Regions of Baltic Sea", *International Journal of Sustainable Built Environment*, published online, May 25, 2017.



## Mr. Matruprasad Rout, AMIE

Research Scholar, Department of Mechanical Engineering, IIT Kharagpur, West Bengal



**Title of Paper:** "Chapter 4: Finite Element Modeling of Hot Rolling: Steady and Unsteady State Analyses", *Computational Methods and Production Engineering: Research and Development* (Woodhead Publishing), Chapter 4, May 30, 2017, pp. 83-124.

Co-author(s): Surjya K. Pal, Shiv B. Singh

## Prof. Hemraj Ramdas Kumavat, MIE

Assistant Professor, Civil Engineering Department, R. C. Patel Institute of Technology, Shirpur, Dhule, Maharashtra

• **Title of Paper:** "Comparative Analysis of River & Crushed Sand in Concrete", *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 6, Issue 3, March 2017, pp. 3525-3529.

Co-author: G. V. Tapkire



• **Title of Paper:** "A Modernized and Innovative Way of Developing Dhule as a Smart City an Analytical Approach", *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 6, Issue 2, February 2017, pp. 1630-1639.

Co-author: R. D. Patil

• **Title of Paper:** "An Experimental Study of Bituminous Pavement Adding Electronic-waste to Increase the Strength Economically", *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 6, Issue 1, January 2017, pp. 57-64.

Co-author: V. J. Patel



# Publications by Members

## Dr. B. Venkateswara Rao, MIE

Associate Professor, Department of Electrical and Electronics Engineering, V. R. Siddhartha Engineering College (Autonomous), Kanuru, Vijayawada, Andhra Pradesh



- **Title of Paper:** "Real Power Generation Optimization and Optimal Setting of UPFC for Power Loss Minimization Using Cuckoo Search Algorithm", *Journal of Electrical Engineering*, Vol. 17, Issue 2, June 2017, pp.289-294.

- **Title of Paper:** "Mi Power based Optimal Location and Sizing of Shunt Capacitor with L-index to Improve Voltage Magnitude in IEEE 14 Bus System", *International Journal of Pure and Applied Mathematics*, Vol. 114, No. 7, June 2017, pp.259-269.

Co-author(s): Amulyavalli K, N. Goutham Kumar

- **Title of Paper:** "Impact of Shunt Capacitor on Voltage Profile Improvement at Over Load Conditions using MiPower Software", *International Journal of Electronics, Electrical and Computational System, Academic Science*, Vol. 6, Issue 6, June 2017, pp.49-58.

Co-author(s): R. Venkatesh, N. Goutham Kumar

## Mr. Yogendra Arya, AMIE

Assistant Professor, Department of Electrical & Electronics Engineering, Maharaja Surajmal Institute of Technology, Janakpuri, New Delhi

- **Title of Paper:** "BFOA-scaled Fractional Order Fuzzy PID Controller Applied to AGC of Multi-area Multi-source Electric Power Generating Systems", *Swarm and Evolutionary Computation*, Vol. 32, February 2017, pp. 202-218.

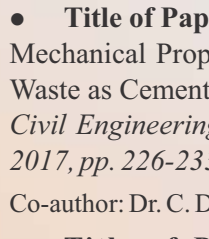
Co-author: N. Kumar

- **Title of Paper:** "AGC Performance Enrichment of Multi-source Hydrothermal Gas Power Systems Using New Optimized FOPID Controller and Redox Flow Batteries," *Energy*, Vol. 127, May 2017, pp. 704-715.



## Ms. Damyanti G. Badagha, AMIE

Ph.D. Research Scholar, Structural Engineering, Department of Applied Mechanics, S. V. National Institute of Technology, Surat, Gujarat



- **Title of Paper:** "Experimental Approach to Enhance Mechanical Properties of Concrete Using Steel Industry Waste as Cement Replacement", *International Journal of Civil Engineering and Technology*, Vol. 8, Issue 4, April 2017, pp. 226-233.

Co-author: Dr. C. D. Modhera

- **Title of Paper:** "Sustainable Experimental Investigation of Mortar Adopting Industrial Waste Considering Environmental Effect", *Proceedings of International Conference on 'Nanomaterials and Nanotechnology' organized by International Association of Advanced Materials at Vinoba Bhave Research Institute, Allahabad during March 01-03, 2017.*

Co-author: Dr. C. D. Modhera

- **Title of Paper:** "Experimental Study to Make Sustainable Concrete by Reducing Cement Consumption and CO<sub>2</sub> Emission in Environment", *Proceedings of National Conference on 'Recent Research & Development in Core Disciplines of Engineering' organized by Vadodara Institute of Engineering at Kotambi, Vadodara during April 21-22, 2017.*

Co-author: Dr. C. D. Modhera

## Dr. C. K. Narayanappa, FIE

Associate Professor, Department of Medical Electronics, M. S. Ramaiah Institute of Technology, Bengaluru, Karnataka

- **Title of Paper:** "Design, Modeling and Analysis of Surface Plasmonic Biosensor for Human Blood Transfusion Application", *International Journal of Engineering Technology, Management and Applied Sciences*, Vol. 5, Issue 7, July 2017, pp. 449-454.

Co-author: Rashmi Priyadarshini



# Publications by Members

## Mr. Chodagam Srinivas, AMIE

Assistant Professor, Sasi Institute of Technology & Engineering, Tadepalligudem, Andhra Pradesh



**Title of Paper:** "A Novel Way to Deal with Harmonic Elimination in Multi Level CHB Inverter using without Filtering Technique", *Proceedings of International Conference of 'Electronics, Communication and Aerospace Technology 2017'* organized by RVS Technologies, Coimbatore during April 20-22, 2017, pp. 62-67.

## Dr. Aditya Tiwary, AMIE

Assistant Professor, Acropolis Technical Campus, Indore, Madhya Pradesh

• **Title of Paper:** "Bootstrapping based Technique for Evaluating Reliability Indices of RBTS Distribution System Neglecting Random Down Time", *The IUP Journal of Electrical and Electronics Engineering*, Vol. X, No. 2, April 2017, pp. 48-57.



Co-Author(s): Dr. L. D. Arya, Dr. R. Arya, Dr. S. C. Choube

• **Title of Papers:** (a) "A Strategy for Obtaining Optimum Duration between Preventive Maintenance against Dormant Failure Modes of Distribution System Employing Modified Shuffled-frog Leaping Algorithm" and (b) "Availability Optimization of Roy Billinton Test System (RBTS) Based on Inspection-Repair Model using Teaching Learning based Optimization", *Proceedings of the International Symposium on 'Computational Mathematics, Optimization and Computational Intelligence 2017'* organized by IIT Indore during July 17-19, 2017.

Co-Author(s): (a, b) Dr. L. D. Arya, Dr. R. Arya, Dr. S. C. Choube

## Mr. Giridhar Maji, MIE

Faculty Member, Electrical Engineering Department, Asansol Polytechnic, Department of Technical Education & Training, West Bengal



**Title of Paper:** "Share Market Sectoral Indices Movement Forecast with Lagged Correlation and Association Rule Mining", *Proceedings of 16th International Conference on 'Computer Information Systems and Industrial Management 2017'* organized by Bialystok

University of Technology and Warsaw University of Technology, Poland at Bialystok, Poland during June 16-18, 2017, pp. 327-340.

Co-Author(s): Soumya Sen, Amitrajit Sarkar

## Mr. Kumbhar Siddharaj Vijaykumar, AMIE

Freelance Consultant - HVAC, Solar Energy Systems, Industrial Heating Systems & Energy Efficiency, Solapur, Maharashtra

• **Title of Paper:** "Adaptation and Implementation of Solar Distillation Plants for Pure Water: A Review", *Journal of Water Pollution & Purification Research*, Vol. 4, Issue 1, May 2017, pp. 1-3.



Co-Author: Basgonda K. Sonage

• **Title of Paper:** "Technological Developments in Annealing Furnaces for Performance Improvement", *International Journal of Advance Research and Innovative Ideas in Education*, Vol. 3, Issue 3, June 2017, pp. 3419-3430.

Co-Author: Mahesh M. Salotagi

## Prof. Rai Sachindra Prasad, FIE

Former Professor, Electrical & Electronics Engineering, Graphic Era University, Dehradun, Uttarakhand

**Title of Paper:** "Analysis of Thought Forms Using Digital Imaging Techniques", *Proceedings of National Conference 'Vigyan Bharati Sammelan 2017'* organized by Vigyan Bharati and sponsored by Government of Maharashtra at Ferguson College, Pune during May 12-14, 2017, pp. 107.





# Publications by Members

## Mr. Sivaprakash C, MIE

Assistant Professor & Head, Department of Electronics & Communication Engineering, Sri Sairam College of Engineering, Anekal, Bangalore, Karnataka



**Title of Paper:** "Sign Language to Voice Output for Differently Abled", *International Journal of Emerging Research in Management & Technology*, Vol. 6, Issue 5, May 2017, pp. 353-356. The paper was also presented and obtained 'Best Paper Award' at International Conference on

'Emerging Trends in Science & Engineering 2017' organised by Institute for Exploring Advances in Engineering, India at Coorg Institute of Technology, Ponnampet, Karnataka during May 11-12, 2017.

## Dr. Ambresh Pambalgi, MIE

Assistant Professor, Department of P.G. Studies & Research in Electronics, Mangalore University, Mangalore, Karnataka

• **Title of Paper:** "Novel Wide Slot Microstrip Antenna with Finite Ground Plane for 6 GHz to 16GHz", *International Journal of Research in Electronics*, Vol. 4, Issue 1, March 2017, pp. 48-50. The paper was also presented at ISRD International Conference of 'Modern Trends in Engineering and Science 2017', organized online by International Society of Research and Development on March 27, 2017.



• **Title of Paper:** "Performance Study of Gain Enhanced Stripline-fed Quad-square Shape Patch Antenna", *International Journal of Innovative Research in Computer & Communication Engineering*, Vol. 5, Special Issue 4, June 2017, pp. 299 - 303. The paper was also presented at 2nd National Conference on 'Recent Advances in Engineering, Technology and Management 2017', organized by Department of Electronics & Communication Engineering, Basavakalyan Engineering College, Bidar at Karnataka during May 27-28, 2017.

## Dr. Manashjit Gogoi, MIE

Assistant Professor, Department of Biomedical Engineering, School of Technology, North Eastern Hill University, Shillong, Meghalaya



• **Title of Paper:** "Biocompatibility and Therapeutic Evaluation of Magnetic Liposomes Designed for Self-controlled Cancer Hyperthermia and Chemotherapy", *Integrative Biology*, Vol. 9, Issue 6, June 2017, pp. 555-565.

Co-author(s): Manish K. Jaiswal, Haladhar Dev Sarma, Dharendra Bahadur, Rinti Banerjee

• **Title of Paper:** "Development of Chitosan Porous Tissue Scaffolds using Computer Aided Tissue Engineering for Cartilage Regeneration", *Asian Journal of Chitin*, Vol. 13, Issue 1, June 2017, pp. 9-14.

Co-author(s): Nitin Sahai, Punit Kumar Rohilla

• **Title of Paper:** "Conversion of Solid Waste into Functional Carbon Materials: A Review", *Energy and Environment Focus*, Vol. 6, Issue 2, June 2017, pp. 1-17.

Co-author(s): Ramakanta Layek, Jyrki Vuorinen, Mrityunjay Mahato

## Mr. Amara Bhargav, AMIE

Ph. D. Research Scholar, Department of Mechanical Engineering, Jawaharlal Nehru Technological University, Anantapur

**Title of Paper:** "An Overview of Production Scheduling in Reconfigurable Manufacturing System (RMS)", *Proceedings of International Conference on 'Manufacturing Technology and Simulation 2017' organized by Annamacharya Institute of Technology and Sciences, Rajampet at IIT Madras during July 07-08, 2017*, pp. 318-321.

Co-author(s): N. Venkatachalapathi, M. L. S. Deva Kumar



# Publications by Members

## Dr. V. V. Narendra Kumar, FIE

Professor, Department of Computer Science Engineering & Information Technology and Vice Principal, St. Mary's Group, Hyderabad, Telangana



- **Title of Paper:** "Blended Learning: The Swing from Face-to-Face Learning – An Innovative Pattern in Education", *International Journal of Applied Research on Information Technology and Computing*, Vol. 7, Issue 1, April 2016, pp. 60-69.

- **Title of Paper:** "Benefits and Impact of Big Data in Future E-Learning Industry", *International Journal of Modern Computer Science*, Vol. 4, Issue 3, June 2016, pp. 190-193.

- **Title of Paper:** "Building Predictive Model using Python & R for Enhancing Consumer Satisfaction and Competitive Advantage", *International Journal of Advanced Technology in Engineering and Science*, Vol. 5, Issue 3, March 2017, pp. 994-1005.

## Mr. Partha P. Debnath, AMIE

Junior Engineer, Public Works Department (R&B), Government of Tripura, Agartala, Tripura

**Title of Paper:** "Nonlinear Analysis of Shear Wall in Unified Performance Based Seismic Design of Buildings", *Asian Journal of Civil Engineering*, Vol. 18, Issue 4, pp. 633-642, June 2017.



Co-author: Prof. Satyabrata Choudhury

## Prof. (Dr.) Vijayan Gurumurthy Iyer, FIE

Department of Environmental Engineering, Narasaraopeta Engineering College, affiliated to Jawaharlal Nehru Technological University, Kakinada, Andhra Pradesh.



- **Title of Paper:** "Environment and Quality Management for the Higher Education Institutions to Achieve Research and Academic Excellence", *Proceedings of 3rd World Summit on Accreditation 2016 on the theme 'Quality Assurance through Outcome Based Accreditation' organized by the National Board of Accreditation at Gurgaon, Haryana during March 18-20, 2016*, pp. 325-337.

- **Title of Papers:** (a) "Environmental Health Impact Assessment of Waste Electrical and Electronic Equipment (WEEE) Environment" and (b) "Environmental Health Impact Assessment of (EHIA) Process for Nuclear Power Plant Project Towards Sustainable Nuclear Power Development", *Abstract Book of 4th Global Congress on 'Renewable Energy and Environment 2016' organized by Academic World Education and Research Center at Ephesus, Turkey during November 03-05, 2016*, (a) pp. 2 and (b) pp. 3.



## 32<sup>nd</sup> INDIAN ENGINEERING CONGRESS

Chennai, December 21-23, 2017

Theme:

**Innovation in Engineering : Competitive Strategy Perspective**

Organized by: **The Institution of Engineers (India)**

Hosted by: **Tamilnadu State Centre**

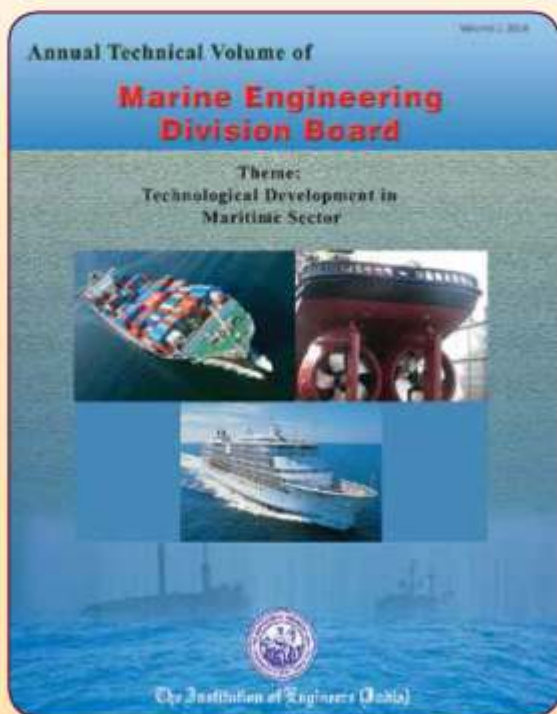
Contact : Organising Secretary, 32nd Indian Engineering Congress, The Institution of Engineers (India), Tamilnadu State Centre  
19 Swami Sivananda Salai, Chepauk, Chennai 600005, Tel: (044) 25360614/64998729, Fax: (044) 25369433  
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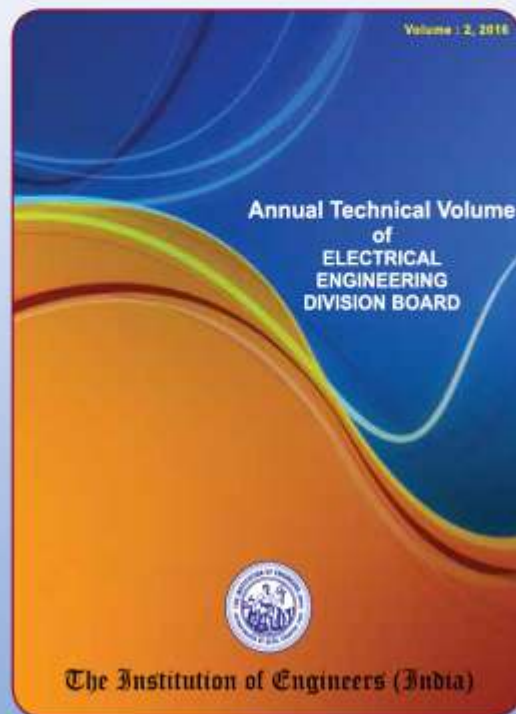
## Marine Engineering Division Board

Theme: "Technological Development in Maritime Sector"



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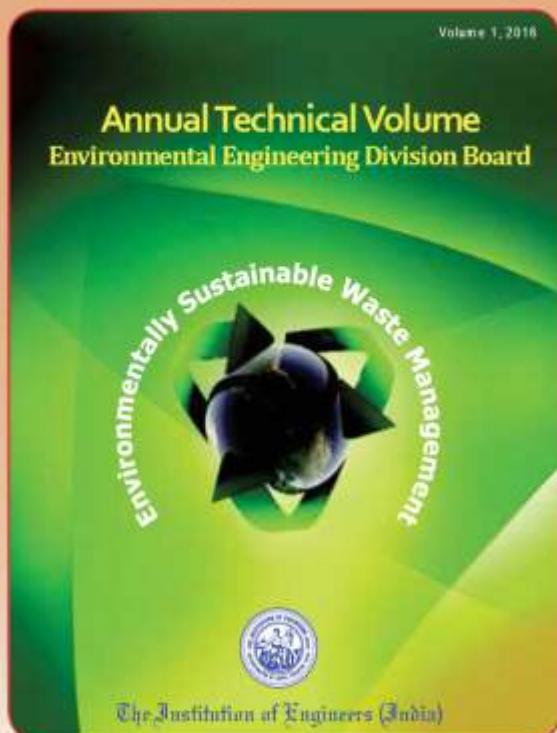
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## Environmental Engineering Division Board

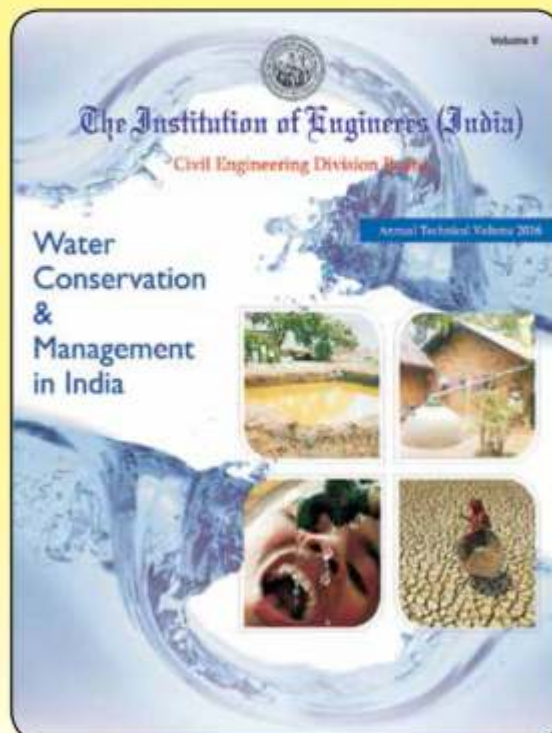
Theme: "Environmentally Sustainable Waste Management"



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Theme: "Water Conservation and Management in India"



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Engineering Division Board/Committee	Theme	Last Date for submission of the Paper	Paper to be submitted at Email ID
Aerospace	Future Trends and Developments in Aerospace	31/10/2017	asdb@ieindia.org
Architectural	Architectural Innovations	31/10/2017	ardb@ieindia.org
Chemical	Safety and Security in Chemical Industry	31/10/2017	chdb@ieindia.org
Civil	Development of State and National Highways in India	31/10/2017	cvdb@ieindia.org
Computer	Role of IoT in Make in India	30/11/2017	cpdb@ieindia.org
Electrical	Grid Management in a Multiple Energy Resources Scenario	30/11/2017	eldb@ieindia.org
Electronics & Telecom.	Recent Trends in Mechatronics for Sustainable Development in Engineering Applications	30/11/2017	etdb@ieindia.org
Environmental	Challenges & Opportunities in Meeting the Environmental Norms	31/10/2017	endb@ieindia.org
Marine	Inland Water Transport—Challenges and Opportunities	31/10/2017	mrdb@ieindia.org
Metallurgical & Materials	New Generation Composite Material	30/11/2017	mmdb@ieindia.org
Mining	Slope Stability in Mine	30/11/2017	mndb@ieindia.org
Production	Excellence in Manufacturing	31/10/2017	prdb@ieindia.org
Interdisciplinary Coordination Committee	Make in India to Made in India	31/08/2017	icc@ieindia.org

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ISSN Online: 2250-2114

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## Series D: Metallurgical & Materials and Mining

URL: <http://link.springer.com/journal/40033>

### Editor-in-Chief:

Prof. N. R. Bandyopadhyay, School of Materials Science & Engineering  
Indian Institute of Engineering Science and Technology, Shibpur

### Associate Editors:

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Prof S. P. Banerjee, Indian School of Mines, Dhanbad



ISSN Print: 2250-2483  
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## Series E: Chemical, Textile

URL: <http://link.springer.com/journal/40034>

### Editor-in-Chief:

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Dept. of Chemical Engg., IIT Madras

### Associate Editor:

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Information Technology**  
Madurai, Tamilnau



**MOHAMED SATHAK  
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Engineering College**  
Ramanathapuram, Tamilnadu



**Shri Chhatrapati Shivaji  
Maharaj College of Engineering**  
Ahmednagar, Maharashtra



**Techno India**  
Sector V Salt Lake, Kolkata



**VNR Vignana Jyothi Institute  
of Engineering & Technology**  
Hyderabad, Telangana



All India Shri Shivaji Memorial Society's  
**AISSMS  
College Of Engineering, Pune**  
(Approved by AICTE, New Delhi, Recognised by the Government  
of Maharashtra and Affiliated to Savitribai Phule Pune University)

**AISSMS College of  
Engineering Pune**  
Pune, Maharashtra

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