



# IEI

# Epitome

2

**Members in the News**

4

**Publications by Member**

8

**Book Review**

9

**Annual Technical Volumes**

11

**IEI-Springer Journal Series**

# Members *in the News*

## **Dr R Venkatesan, FIE**

*Scientist 'G', Programme Director, National Institute of Ocean Technology, Chennai*

For outstanding research contributions in the field of Ocean Science and Technology, the Ministry of Earth Sciences honours 'National Award' in the field of Ocean Science and Technology for the year 2018 and presented by Dr Asahiko Taira, President, Japan Agency for Marine-Earth Science and Technology, Tokyo, Dr Ashtosh Sharma, Secretary to the Department of Science and Technology, Government of India and Dr M Rajeevan, Secretary, Ministry of Earth Sciences at Vigyan Bhavan, New Delhi.



## **Prof G B Mohankumar, FIE**

*Department of Electrical & Electronics Engineering, Nandha Engineering College (Autonomous), Erode, Tamilnadu*



Received Doctor of Philosophy on 'Performance Assessment of Multi-converter Unified Power Quality Conditioner System with Dual Feeder Configuration for Enhancing Power Quality' on December 27, 2017 from Anna University Chennai.

## **Mr Malvinder Singh FIE**

*Chairman, The Institution of Engineers (India), Roorkee Local Center*



Received Fellowship of National Center for Quality Management in recognition of achievements and Contribution in the field of Quality Management on July 21, 2018.

## **Mr Silak Ram, AMIE**



*ISGEC Heavy Engineering Ltd.*

Completed successfully Project Management Certificate Course from Amity University.

## **Prof Umesh B Deshannavar, FIE**

*Head (Institute NBA and SPP – Coordinator), Department of Chemical Engineering, KLE Dr M S Sheshgiri College of Engineering and Technology, Belgaum, Karnataka*

Visited Universiti Teknologi PETRONAS (UTP), Malaysia as Visiting Professor to deliver special talk on 'Crude Oil Threshold Fouling Modeling'.



## **Mr Imtiyaz Ansari, MIE**

*Mechanical Engineer, Dubai*

Received Project Management Professional (PMP) Certificate from Project Management Institute on February 15, 2018.



## **Prof Indrasen Singh, FIE**

*Senior Professor and Dean, National Institute of Construction Management and Research, Goa*

Conferred as 'Global Achievers Award for Education Excellence' by Global Achievers Foundation for outstanding achievements and remarkable role in the field of Education on the occasion of Asia Pacific Achievers's Summit on 'Globalisation of Economic Growth and Social Development' on July 8, 2018 at Tashkent, Uzbekistan.



## **Mr Deepak Chandra Chandola, AMIE**



*Aircraft Maintenance Planning Engineer, AMMROC, Dubai*

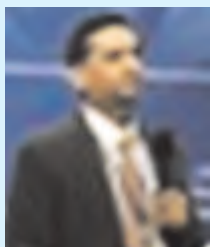
Elected as Member of Royal Aeronautical Society, UK June 5, 2018.

# Members

# *in the News*

## **Mr Ritu Raj Lamsal, FIE**

*Associate Professor and Head, Department of Electronics Engineering, Deerwalk Institute of Technology, Kathmandu, Nepal*



Attended 5th International Conference on 'IT for Development-IT4D 2018' during August 3-5, 2018 at Deerwalk Complex, Hotel Annapurna, Kathmandu, Nepal for presenting paper on 'Potential Use and Scope of IoT in Agriculture and Farm Monitoring.'

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

*Associate Professor, Department of Medical Electronics, Ramaiah Institute of Technology, Bangalore*



Delivered a talk as Resource Person for TEQIP-1.3 sponsored one week Faculty Enrichment Programme (FEP) on 'Engineering Electromagnetics' held at Visvesvaraya Technological University, Mysuru on July 25, 2018.

Reviewer in Biomedical and Pharmacology Journal for the year 2018-2019. Participated as Session Chair in 3rd IEEE International Conference on 'Recent Trends in Electronics, Information and Communication Technology (RTEICT-2018)' held at Sri Venkateshwara College of Engineering, Bengaluru during May 18-19, 2018.

## **Mr Challa Mallikarjuna, MIE**

*Associated Professor, Department of Civil Engineering, Saveetha Engineering College, Chennai.*



Attended the Faculty Development Program on 'Teaching Learning Center' in IIT Madras, Chennai from August 29, 2018 to August 31, 2018.

## **Mr Ankit Shukla, AMIE**

*Member of The Institution of Engineers (India), Gwalior*

Awarded by QuEST Global for successfully completing 1st Design Modification for Rolls-Royce Trent 900 aeroengine used in Airbus A380 for enhanced performance Development standard testing.



## **Prof Vijayan Gurumurthy Iyer, FIE**

*Department of Civil Engineering, Koneru Lakshmaiah Education Foundation and DEBM Coordinator of the EDI of India, Guntur District, Andhra Pradesh*

Selected to receive prestigious 'Marquis Who's Who 2018 Albert Nelson Marquis Who's Who Lifetime Achievement Award' as a result of sustainable hard work and dedication to profession. Further The 2018 Marquis Lifetime Achievement Award conferred for his biography enlisted in Who's Who Publications for demonstrating sustainability leadership, sustainable excellence and sustainable longevity.



## **Mr Vinay Kumar Shukla, MIE**

*Honorary Secretary, The Institution of Engineers (India), Gwalior Local Centre*

Promoted as Manager (Instrumentation) National Fertilizers Limited.



# Publications

## by Members

### Prof Shanavas S, MIE

*Head, Department of Mechanical Engineering, Musaliar College of Engineering, Trivandrum, Kerala.*

**Title of Paper :** 'Weldability of Marine Grade AA 5052 Aluminum Alloy by underwater Friction Stir Welding', International Journal of Advanced Manufacturing Technology, Springer, 2018, vol.95, pp.4535-4546, [https://doi.org/10.1007/s00170-017-1492-64]



**Title of Paper :** 'Quality Prediction of Friction Stir Weld Joints on AA 5052 H32 Aluminium Alloy using Fuzzy Logic Technique', Materials Today: Proceedings, Elsevier, 2018, Vol.5, pp. 12124-12132 [https://doi.org/10.1016/j.matpr.2018.02.190]

**Title of Paper :** 'Weld Quality Prediction of AA 5052-H32 Aluminium Alloy using Neural Network Approach', Materials Today: Proceedings, Elsevier, 2018, Vol. 5, pp.8256-8262, [https://doi.org/10.1016/j.matpr.2017.11.516].

### Mrs M Sharanya, MIE

*Associate Professor, Vignana Bharathi Institute of Technology, Aushapur, Ghatkesar*

**Title of Paper :** 'Dynamic Voltage Restorer and Hybrid Active Power Filter for Power Quality Improvement', ARPN Journal of Engineering and Applied Sciences, Vol.13, No. 2, 2018.

Co-author(s) : B. Basavaraja and M. Sasikala.

**Title of Paper :** 'Comparison of Control Methods for Power Quality Improvement using Dynamic Voltage Restorer and Hybrid Active Power Filter', IOSR Journal of Electrical and Electronics Engineering, Vol.13, Issue 1, pp.52-63, 2018.

Co-author(s) : B. Basavaraja, M. Sasikala

**Title of Paper :** 'Repetitive controller for Power Quality Improvement using Dynamic Voltage Restorer and Shunt Hybrid Active Power Filters', Proceeding of 215th International Conference on Electrical and Electronics Engineering, Dubai, April 16-17, 2018.



### Mr Rakesh Kumar Mehta, AMIE

*General Manager (Technical), Gammon Engineers and Contractor Pvt. Ltd.*

**Title of Paper :** 'Temporary Support and Freezing of Bridge Bearings during Balance Cantilever Construction for New Brahmaputra Bridge at Guwahati', Journal of the Indian Road Congress, Vol.79-1, 2018, pp.1-14.



### Dr TL Prasad, FIE

*Senior Scientific Officer, Chemical Engineering Group, Bhabha Atomic Research Centre, Mumbai*



**Title of Paper :** 'Hydrothermal Liquefaction Studies for Desalination Membrane Management', Current Environmental Engineering, Vol. 5, Issue 2, 2018.

### Mr Nagabhushana Narasappa, MIE

*Senior Assistant Professor, New Horizon College of Engineering, Bangalore*

**Title of Paper :** 'Studies on Microstructure and Microhardness of Plasma Sprayed NiCrBSi /Flyash/TiO<sub>2</sub>/Cr<sub>2</sub>O<sub>3</sub>/Mo Composite Coatings', International Journal of Technical Innovation in Modern Engineering and Science, Vol. 4, Issue 6, 2018.



**Title of Paper :** 'Tribological Study of Nicrbsi / Flyash Plasma Sprayed Coatings', Global Journal of Engineering Science and Researches, 2018.



# Publications

## by Members

### Mr A Muthu Manokar, AMIE

Assistant Professor, School of Mechanical Engineering, B S Abdur Rahman Crescent Institute of Science and Technology.

**Title of Paper :** ‘Comparative Study of Inclined Solar Panel Basin Solar Still in Passive and Active Mode’, *Solar Energy, Elsevier*, vol.169, 2018, pp. 206-216.



Co-author (s) : D Prince Winston, Jayanta Deb Mondol, A E Kabeel, Ravishankar, Hitesh Panchal.

### Prof Vijayan Gurumurthy Iyer, FIE

Department of Civil Engineering, K L University, Guntur District, Andhra Pradesh

**Title of Paper :** ‘Strategic Environmental Assessment (SEA) Process towards Sustainable Construction Management Development for the Electrical, Automation and Mechanical Engineering Construction Industries to Achieve Business Excellence’, *Proceedings of 3rd International Conference on Electrical, Automation and Mechanical Engineering (EAME2018)* [<http://www.eame2018.org/>]



**Title of Paper :** Strategic Environmental Assessment (SEA) Process for Applied Mechanics, Mechatronics and Materials towards Sustainable Development”, *Proceeding of International Conference on Applied Mechanics, Mechatronics and Materials (AMMM2018)*, 2018, Beijing, China [<http://www.ammm2018.org/>]

### Mr Venkatesan Kesavel, MIE

Sub-divisional Engineer (Electrical), Bharat Sanchar Nigam Limited, Chennai

**Title of Paper :** ‘Climate Responsive Cooling Control using Artificial Neural Networks’, *Journal of Building Engineering*, vol.19, 2018, pp.191-204.

Co author: U Ramachandraiah



### Mr Karthik Rajathachal Mamudur, MIE

Lead Design Engineer-Aviation Structures, General Electric Company

**Title of Paper:** ‘Uncertainty Quantification of Settlements in Granular Soils using Pseudo-Response Surface Method’, *International Journal of Civil and Structural Engineering*, Vol. 4, Issue 1, 2018.



**Title of Paper :** ‘Probabilistic Analysis in Geotechnical Engineering based on Higher Order Stochastic Response Surface Method’, *Electronic Journal of Geotechnical Engineering*, Vol.20, Bundle 24, 2018.

### Mr Dayananda Shetty K, MIE

New Mangalore Port Trust



**Title of Paper :** ‘Performance Appraisal of Indian Major Ports’, *Journal of Indian Port Association*, Vol. 48, 2018, pp. 29-34.

Co-author : G S Dwarakish.

### Mr R Kousik Kumar, AMIE

Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore

**Title of Paper :** ‘Design Fabrication of EDF-After burner Test Rig’, *International Journal of Mechanical Engineering and Technology*, Vol. 9, Issue 6, 2018, pp.178 -181.



### Prof C M Narayanan, FIE

Former Professor, Department of Chemical Engineering, National Institute of Technology, Durgapur.

**Title of Paper :** ‘Performance and Applications of Semi-fluidized Bio-reactors – A Review’, *International Journal of Chemical Reactor Engineering*, 2018 [DOI: 10.1515/ijcre-2017-0178].



**Title of Paper :** ‘Studies on Bio-diesel Synthesis using Nanosilica Immobilized Lipase in Inverse Fluidized Bed Bioreactors’, *Journal of Advances in Chemistry*, Vol. 15, No. 1, 2018, pp 6072- 6086.

# Publications

## by Members

### Mr Kumbhar Siddharaj Vijaykumar, AMIE

**Title of Paper :** 'Pressure Optimization and Failure Prediction for Deep Drawing Process of Sheet Metal Products : A Case Study', *Journal of Failure Analysis and Prevention*, Springer, Vol.18, Issue 4, 2018, pp. 948-956, [DOI: <https://doi.org/10.1007/s11668-018-0485-6>].



### Mr M Gunasekaran, AMIE

*Assistant Professor, Department of Electronics & Electrical Engineering, Annapoorana Engineering College, Salem District, Tamilnadu*

**Title of Paper :** 'Intelligent Control of Induction Motor Integrated with PV MICRO INVERTER using ANFIS', *International Research Journal of Engineering and Technology*, Vol. 5, Issue 7, 2018.



**Title of Paper:** 'New Efficient Bridgeless CUK Rectifier for PFC Applications', *International Research Journal of Engineering and Technology*, Vol. 5, Issue 5, 2018.

### Mr Sivasubramanyam Medasani, MIE

*Research Scholar, Department of Electronics and Communication Engineering, Sri Venkateswara University College of Engineering, Tirupati, Andhra Pradesh..*

**Title of Paper :** 'Impact of Speckle Filtering on the Decomposition and Classification of Fully Polarimetric Data of RADARSAT-2', *Proceeding of International Conference on ISMAC in Computational Vision and Bio-Engineering*, Coimbatore, Tamilnadu, May 16-17, 2018.



Co-author : G Umamaheswara Reddy.

### Mr Subhendu Bikash Santra, AMIE

*Assistant Professor, School of Electrical Engineering, KIIT University, Bhubaneswar:*

**Title of Paper :** 'Voltage Stress Analysis of a Single Switch High Boost Converter with Mixed CCM-DCM Mode useful for Snubber Design' *International Journal of Circuit Theory and Application*, Wiley, 2018, pp.1-20, [<https://doi.org/10.1002/cta.2511>]



Co-author(s) : T Roy Choudhury and B Nayak.

**Title of Paper :** 'Lyapunov based Fast Terminal Sliding Mode Q-V Control of Grid Connected Hybrid Solar PV and Wind System,' *IEEE Access*, Vol. 6, 2018, pp 39139-39153.

Co-author(s) : K Kumar, P Biswal and C K Panigrahi

**Title of Paper :** 'Design and Analysis of Soft-Switched Tri-State Boost Converter', *Proceeding of International Conference on Power, Instrumentation, Control and Computing*, Thrissur, 2018, pp.1-6

Co-author(s) : K Kumar, N Rana, S Banerjee and N. Parvez.

### Mr Yogendra Arya, AMIE

*Assistant Professor, Department of Electrical and Electronics Engineering, Maharaja Surajmal Institute of Technology, New Delhi*

**Title of Paper :** 'AGC of Two-Area Electric Power Systems using Optimized Fuzzy PID with Filter Plus Double Integral Controller,' *Journal of the Franklin Institute*, Elsevier, Vol. 355, No. 11, 2018, pp. 4583-4617, [DOI : <https://doi.org/10.1016/j.jfranklin.2018.05.001>]



### Mr P MEbin, AMIE

*Assistant Professor, Kottayam Institute of Technology and Science, Kottayam, Kerala*

**Title of Paper :** 'An Android Application for Smart Parking with Efficient Space Management', *IEEE Journal*, [ISBN No 978-1-5386-5743-0].



# Publications

## by Members

### Prof S K Mazumder, FIE

*Former Professor of Civil Engineering and AICTE Emeritus Fellow, Delhi Technological University*



**Lead Paper :** 'River Action Plan, Flood Management and Basin Development', *Souvenir of the Seminar organised by CEAI held at New Delhi during July 27-28, 2018.*

Co- authors : M S Dhillon and A Kanwal

**Technical Paper :** 'Challenges of Flood Control and River Training in India', *Souvenir of the Seminar organised by CEAI held at New Delhi during July 27-28, 2018.*

### Dr Punith Kumar MB, AMIE

*Associate Professor, Department of Electronics and Communication Engineering, PES College of Engineering, Mandya, Karnataka*



**Title of Paper :** 'An Image Processing Approach for Compression of ECG Signals based on 2-D RLE and SPIHT', *Proceeding of 3rd International Conference on Emerging Research in Electronics, Computer Science and Technology, August 23, 2018, PES College of Engineering, Mandya, Karnataka.*

### Dr C K Narayanappa, FIE

*Associate Professor, Department of Medical Electronics, Ramaiah Institute of Technology, Bengaluru*



**Title of Paper :** 'The Study of Bacillus Cereus on a Photonic Crystal Biosensor', *International Journal of Engineering & Technology*, Vol. 7, Issue 3.4, 2018, pp. 231-234

[DOI: 10.14419/ijet.v7i3.4.16780, published on : 25-06-2018]

Co-author(s): Rashmi Priyadarshini

**Title of Paper:** "The Study of Bacillus Cereus on a Surface Plasmon Resonance Based Biosensor", *International Journal of Engineering & Technology*, 2018, Vol.7, Issue 3.1, pp.139-142 [DOI: 10.14419/ijet.v7i3.1.16828]

Co-author(s): Rashmi Priyadarshini

**Title of Paper:** "Triangular Similarities of Facial Features to Determine the Relationships Among Family Members", *Journal of Advanced Computational Intelligence and Intelligent Informatics*, 2018, Vol.22, No.3, pp.323-332.

[DOI: 10.20965/jaciii.2018.p0323]



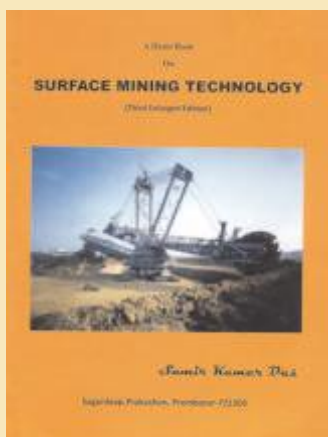


# Book Review

## Surface Mining Technology

Prof Samir Kumar Das, FIE

**T**he urgent need of a very good text on "Surface Mining Technology" has been felt by the students of undergraduate and post-graduate courses in mining engineering, AMIE and Diploma level courses in mining engineering for a long period. So an attempt has been made in this text book entitled 'Surface Mining Technology' to cover the syllabi of all the above mentioned courses offered by various universities and institutions. The book also dealt with most of the items of surface mining technology using worldwide. However,



this edition also dealt elaborately about the drilling and blasting practices in the Chapter 13 and 14. This book will help very much for acquiring knowledge in surface mining technology starting from a layman to the academicians and practicing engineers in the mining industry including mining consultants of various consultancy firms. Various types of questions have been mentioned by practical experiences as well as in various qualifying examinations [First and Second Class Examinations of Metal (unrestricted), Coal, Metal (restricted) conducted by the DGMS] including questions asked in the viva-voce examination which will definitely held very much to the candidates who will sit down in the above mentioned examinations in future. In surface mining layout, the modern ideas and outlooks have been presented regarding cost-economic criteria so that the surface mining project shall always be successful and will be under profit. This book will serve the major need of the engineering students and teachers and practicing engineers in this subject.

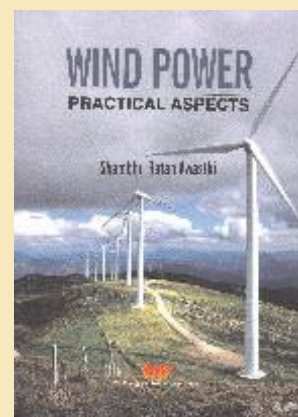
**Available at :** Sagardeep Prakashan, Prembazar, Kharagpur

## Wind Power : Practical Aspects

Dr Shambhu Ratan Awasthi, FIE

**C**limate change is one of the biggest challenges of 21st century. In the pursuit to combat climate change, renewable energy is seeing a boom in growth. Wind energy is leading the way as it offers a sustainable option. Harnessing energy from the wind and the turning it into electricity has many advantages. It does not lead to air or water pollution. The practical aspects focus on developing wind power projects in India. It covers factors such as the selection of suitable sites, wind turbines, erection, and commissioning. The book also analyses and explains estimation of energy and cost. Various departments and organizations involved in the

process of project approval and implementation are included in detail. The book explains grid management, repowering, development of offshore wind power projects and wind-solar hybrid power projects. Probable accidents in wind power projects, remedial measures, important statistical data of India and the world are also covered.



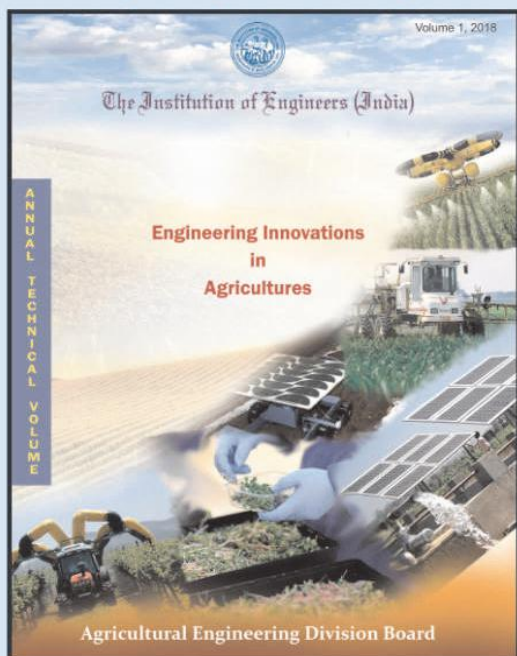
**Available at :** The Energy and Resources Institute (TERI) Press, New Delhi



# Annual Technical Volumes of IEI are now available online

## Agricultural Engineering Division Board

Theme: "Engineering Innovations in Agricultures"

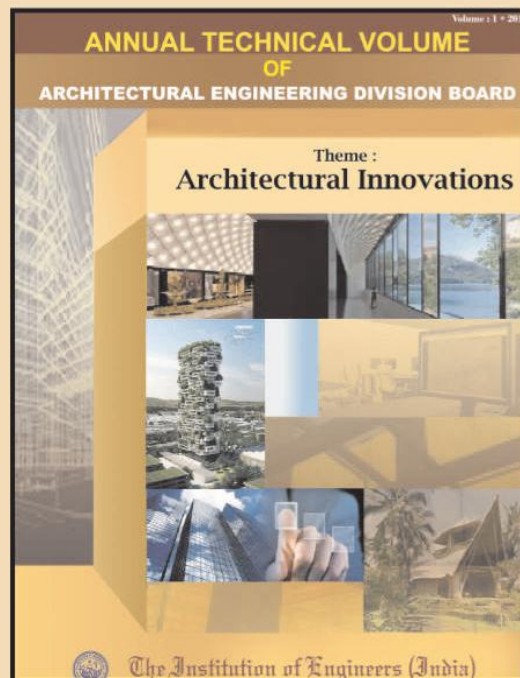


ISBN: 978-81-936149-4-5

<https://www.ieindia.org/webui/IEI-Publication.aspx#annual-technical-volume>

## Architectural Engineering Division Board

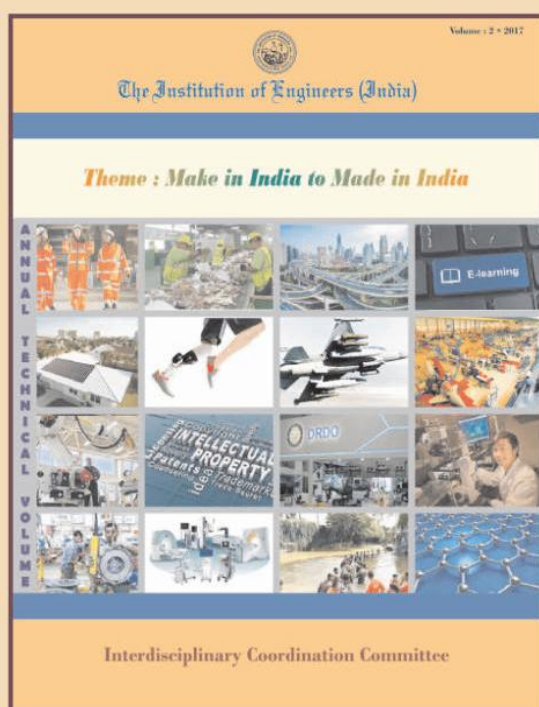
<https://www.ieindia.org/webui/IEI-Publication.aspx#annual-technical-volume>



ISBN: 978-81-936149-2-1

## Interdisciplinary Coordination Committee

Theme: "Make in India to Made in India"

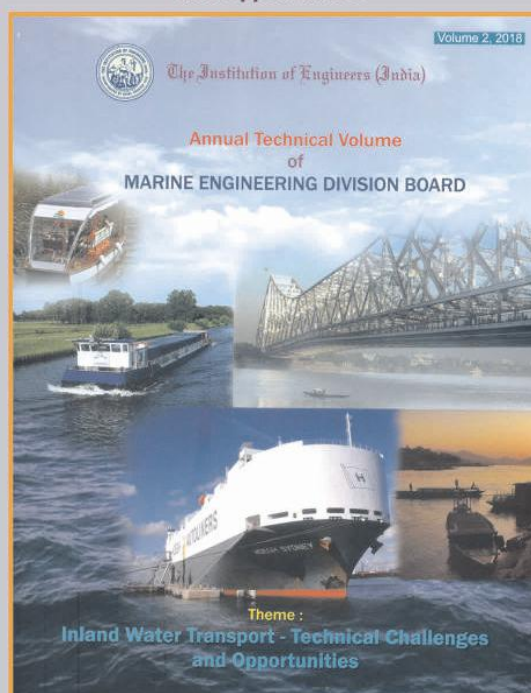


ISBN: 978-81-936149-3-8

<https://www.ieindia.org/webui/IEI-Publication.aspx#annual-technical-volume>

## Marine Engineering Division Board

Theme: "Inland Water Transport-Technical Challenges and Opportunities"



ISBN: 978-81-936149-5-2

<https://www.ieindia.org/webui/IEI-Publication.aspx#annual-technical-volume>



# Advertisement Rates

## in IEI Publications

### IEI News (Printed + online)

**Reach :** 1,25,000 members by email + 3200 hard copies to industries, Government Departments and others + Available online

**Schedule :** Monthly - 12 issues in a year

**Rate per issue**

Description	Size	Type	Total Cost (Rs.) (including GST)
Inside Full Page	20.6 cm (width) x 27.6 cm (height)	Colour	50,000
Inside Half Page	20.6 cm (width) x 13.75 cm (height)	Colour	30,000
Inside Quarter Page	10.3 cm (width) x 13.75 cm (height)	Colour	15,000
5% discount for advertisement in 6 consecutive issues 10% discount for advertisement in 12 consecutive issues			

### IEI Epitome (Online)

**Reach :** 1,25,000 members by email + Available online perpetually

**Schedule :** Monthly - 12 issues in a year

**Rate per issue**

Description	Size	Type	Total Cost (Rs.) (including GST)
Inside Full Page	18.9 cm (width) x 23.1 cm (height)	Colour	30,000
Inside Half Page	18.9 cm (width) x 11.55 cm (height)	Colour	15,000
Inside Quarter Page	9.46 cm (width) x 11.55 cm (height)	Colour	8,000
5% discount for advertisement in 6 consecutive issues 10% discount for advertisement in 12 consecutive issues			

For booking, Please write to:

**Director (Technical), The Institution of Engineers (India), 8 Gokhale Road, Kolkata - 700020**

**Email: [technical@ieindia.org](mailto:technical@ieindia.org)**

**[Payment is to be made by 'at par' cheque drawn in favour of The Institution of Engineers (India)]**

### Annual Technical Volumes of Engineering Divisions (Printed + online)

Aerospace Engineering Division	Agricultural Engineering Division
Architectural Engineering Division	Chemical Engineering Division
Civil Engineering Division	Computer Engineering Division
Electrical Engineering Division	Electronics & Telecommunication Engineering Division
Environmental Engineering Division	Marine Engineering Division
Mechanical Engineering Division	Metallurgical and Materials Engineering Division
Mining Engineering Division	Production Engineering Division
Textile Engineering Division	Interdisciplinary Coordination Committee

**Reach :** 1,25,000 members by email + 500 hard copies to industries and Government Departments + Available online

**Schedule :** One issue in a year per Engineering Division

**Rate per issue**

Description	Size	Type	Total Cost (Rs.) (including GST)
Back Cover Page	16.8 cm (width) x 22.6 cm (height)	Colour	30,000
Inside Cover Page	16.8 cm (width) x 22.6 cm (height)	Colour	25,000
Inside Full Page	16.8 cm (width) x 22.6 cm (height)	Colour	20,000
Inside Full Page	16.8 cm (width) x 22.6 cm (height)	B/W	15,000
Inside Half Page	16.8 cm (width) x 11.3 cm (height)	B/W	8,000



## 33<sup>rd</sup> INDIAN ENGINEERING CONGRESS

Udaipur, December 21-23, 2018

Theme:

**Integration of Technologies: Emerging Engineering Paradigm**

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

Hosted by: **Udaipur Local Centre**

Contact : Organising Secretary, 33rd Indian Engineering Congress, The Institution of Engineers (India), Udaipur Local Centre  
128 Hiran Magri, Sector 11, Near Seva Charitable Hospital, Udaipur 313002  
E-mail: [udaipurloc@ieindia.org](mailto:udaipurloc@ieindia.org)

# IEI – Springer Journal Series

## Series A: Civil, Architecture, Environment, Agriculture

URL: <http://link.springer.com/journal/40030>

### Editor-in-Chief:

Prof K Ramamurthy, Dept. of Civil Engg., IIT Madras

### Associate Editors:

Prof Deepankar Choudhury, Dept. of Civil Engg., IIT Bombay, Mumbai  
 Prof R G Robinson, Dept. of Civil Engg., IIT Madras, Chennai  
 Prof Siva Sivakugan, College of Science & Engineering, James Cook University, Australia  
 Prof Rajesh Srivastava, Dept. of Civil Engg., IIT Kanpur  
 Prof (Ms.) Suparna Mukherji, Centre for Environmental Science and Engineering, IIT Bombay  
 Prof T I Eldho, Dept. of Civil Engg., IIT Bombay, Mumbai  
 Prof S C Dutta, Dept. of Civil Engg., Indian School of Mines Dhanbad  
 Dr (Ms.) Lalitha Devi V, Dept. of Civil Engg., IIT Madras, Chennai  
 Prof S Dutta Gupta, Department of Agricultural and Food Engineering, IIT Kharagpur  
 Dr S N Jha, Indian Council of Agricultural Research, New Delhi  
 Dr E Rajasekar, Department of Architecture and Planning, IIT Roorkee  
 Dr Bhupinder Singh, Department of Civil Engineering, IIT Roorkee



ISSN Print: 2250-2149  
 ISSN Online: 2250-2157

SCOPUS Indexed

SCOPUS Indexed



ISSN Print: 2250-2106  
 ISSN Online: 2250-2114

## Series B: Electrical, Computer and Electronics & Telecommunication

URL: <http://link.springer.com/journal/40031>

### Editor-in-Chief:

Prof. P. P. Das, Department of Computer Science & Engineering, IIT Kharagpur

### Associate Editors:

Prof. Vikram M Gadre, Dept. of Electrical Engg., IIT Bombay  
 Prof. Debaprasad Kastha, Dept. of Electrical Engg., IIT Kharagpur  
 Dr. Siva Kumar K, Dept. of Electrical Engg., IIT Hyderabad

## Series C: Mechanical, Production, Marine, Aerospace

URL: <http://link.springer.com/journal/40032>

### Editor-in-Chief:

Prof. Gautam Biswas, Director, IIT Guwahati

### Associate Editors:

Prof. Suman Chakraborty, Dept. of Mech. Engg., IIT Kharagpur  
 Dr. N. C. Murmu, CMERI, Durgapur  
 Prof. Amitava De, Dept. of Mech. Engg., IIT Bombay  
 Prof. U. S. Dixit, Dept. of Mech. Engg., IIT Guwahati  
 Dr. B. K. Saxena, Principal, Tolani Maritime Inst., Pune  
 Prof. A.K. Agarwal, Dept. of Mech. Engg., IIT Kanpur



ISSN Print: 2250-0545  
 ISSN Online: 2250-0553

SCOPUS Indexed



ISSN Print: 2250-2122  
 ISSN Online: 2250-2130

SCOPUS Indexed

## 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:

Prof. Shubhabrata Dutta, SRM University, Chennai  
 Prof S. P. Banerjee, Indian School of Mines, Dhanbad

## Series E: Chemical, Textile

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

### Editor-in-Chief:

Prof Arun K Tangirala  
 Department of Chemical Engineering, IIT Madras, Chennai

### Associate Editor:

Prof Preeti Aghalayam, Department of Chemical Engineering, IIT Madras, Chennai  
 Prof Kaustubha Mohanty, Department of Chemical Engineering, IIT Guwahati  
 Dr Kishalay Mitra, Department of Chemical Engineering, IIT Hyderabad  
 Prof Abhijit Majumdar, Department of Textile Technology, IIT Delhi



ISSN Print: 2250-2483  
 ISSN Online: 2250-2491

SCOPUS Indexed

**Disclaimer :** The information contained in IEI-epitome has been prepared solely for the purpose of providing information about the members of IEI to interested parties, and is not in any way binding on IEI.

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

**IEI epitome**

**President : Mr Sisir Kumar Banerjee**

**Editor : Maj Gen (Dr.) S Bhattacharya, VSM (Retd)**

**Associate Editor: Dr Surojit Ghosh**

**Special Contributors:** Mr N Sengupta, Mr S Chaudhury, Mr K Sen, Mr T Chakraborty, Ms A Dutta, Mr A Basu, Ms H Roy, Mr P Chakraborty, Mr S Bagchi

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

**E-mail:** [newsletter@ieindia.org](mailto:newsletter@ieindia.org)

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