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IEI-Springer Journal Series

Members *in the News*

Dr Pranjal Kumar Phukan, MIE

Global Mentor, International Supply Chain Education Alliance; Brand Ambassador, International Academy of Science, Engineering & Technology, New Delhi; Resource person to Entrepreneurship Development Cell, Kaziranga University Assam

Received Economic Time Case Award from Flame University, Pune during Flame International Conference on 'Research and Teaching Cases 2018' for the paper, "Supply chain Optimization Approaches of Petrochemical Industries: A Study"



Dr Viraj D Loliyana, MIE

Department of Civil Engineering, Rustomjee Academy for Global Careers Pvt. Ltd., University of Wolverhampton (UK), Dahamu, Maharashtra

Awarded Doctor Philosophy with specialization in Water Resources Engineering on May 17, 2018 at Department of Civil Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat on the title "Development of Physics based Distributed Integrated Hydrological Model for Prediction of Water Availability in a Semi-Arid Region in India"



Ms Aruna Devi, MIE

Proprietor of Surabhi Softwares (an authorised Tally Institute of Learning & Tally Training and Assessment Centre); Managing Partner, Premier Polymers, Mysore; Visiting Faculty, University of Mysore



Appointed as Director (Student Affairs) – Information Systems Security Association (ISSA), India Chapter for attending meeting on April 23, 2018.

Mr Sanjay Chadha, FIE

Former Executive Director, Railway Board, Ministry of Railways, New Delhi

Elevated to Additional Secretary to the Govt. of India, Ministry of Commerce & Industry, Department of Commerce, New Delhi



Mr Krishna Nirmalya Sen, FIE

Head - EHS, L&T MMH; President, American Society of Safety Professionals (ASSP) India Chapter; Chair, ICOH Scientific Committee on Construction Industry; Vice-Chair, CII-ER Safety Task Force



Appointed as Chair of the International Commission on Occupational Health (ICOH) Scientific Committee on Occupational Health in the Construction Industry for the tenure 2018-2021.

Prof Amar Kumar Das, MIE

Assistant Professor, Department of Mechanical Engineering, Gandhi Institute for Technology, Bhubaneswar

Participated the round table discussion on "Synergy of IoT System and Sustainable Green Energy Models" at Third Annual Performance Engineering Week 2018 in TCS, Bhubaneswar Center.



Members

in the News

Mr H R P Yadav, FIE

Director (HQ Cell), The Institution of Engineers (India), New Delhi

Participated in the Panel Discussion on “Think Tank: Innovation & Entrepreneurship” at 31st Standardization Series Meeting jointly organised with IEE 5G Summit held on June 9, 2018 at The Institution of Electronics and Telecommunication Engineers (IETE), New Delhi



Dr Jitendra Kumar, MIE

Associate Professor, Department of Mechanical Engineering, United College of Engineering and Research, Allahabad

Attended GIAN and MHRD sponsored Short Term Course on “Laser Assisted Surface Micro and Nano-Fabrication (LASMNF-18)” held at Department of Mechanical Engineering, IIT Indore during July 8-14, 2018



Dr K Muruga Bhoopathy, FIE

Assistant General Manager (Hot Rolling Mill – Mechanical Maintenance), SAIL, Salem Steel Plant



Awarded Doctor of Philosophy under the faculty of Mechanical Engineering, Anna University, Chennai in June 2018 for the thesis titled, “Assessment of Ergonomic related issues in EOT crane Tong Jaw Bit Changing and Development of Trolley with Hydraulic Lifting attachment”.

Prof R Sasikumar, FIE

Director – Research, Selvam College of Technology, Namakkal, Tamilnadu



Start up Research Grant sanctioned & Received from Science and Engineering Research Board (SERB), Govt. of India for R&D project, "Thermal Management of Heat Sinks using Advanced Aluminium Boron Nitride Composite Materials"

Dr Prabhudev M S, FIE

Head of Section & Selection Grade Lecturer, Mechanical Engineering, Govt. Polytechnic, Kalburgi, Karnataka

Invited as Member, International Scientific Committee at Seventh International Conference on “Fracture Fatigue and Wear”, July 9-10, 2018, Ghent University, Belgium.



Mr Dinesh Kumar D K, MIE

Project Engineer, Karnataka Renewable Energy Development Ltd. (Govt. of Karnataka undertaking), Mysore



Delivered talk on “Energy Conservation and Energy Efficiency in present Scenario”, during the Workshop under Students Awareness Programme for Sri Kanteswara ITI College Students, Mysore on June 26, 2018 at Mysore

Publications

by Members

Mr Akhilesh Kumar Yadav, AMIE

Research Scholar, Department of Mining Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi

Title of Paper: "Dust Concentration and their Management in Mines using Eco-friendly Chemical"



Title of Paper : "Sustainable Development of Mine Waste and Its Utilization", 3rd Green & Sustainable Chemistry Conference organized by the Elsevier during May 13-16, 2018 in Berlin, Germany.

Prof A V Pradeepkumar, FIE

Former Head, Department Civil Engineering, JNN College of Engineering, Shimoga

Title of Paper: "Durability Studies on High Volume Ground Granulated Blast Furnace Slag Concrete", International Journal of Civil Engineering and Technology, Vol. 9, Issue 6, pp.1247-1255, 2018 [ISSN Print: 0976-6308 and ISSN Online: 0976-6316]



Dr Meenakshi Sundaram Karuppaswamy, FIE

Head, Department of Engineering, Faculty of Engineering and Applied Sciences, Botho University, Botswana



Title of Paper: "Evaluating the Dynamic Metrics for Object-Relational Modeling", International Journal of Knowledge Based Computer Systems, Vol. 6, Issue 1, 2018.

Title of Paper : "Design and Analysis of 30 nm T-Gate InAlN/GaN HEMT with AlGaIn Back-barrier for High Power Microwave Applications", Super lattices and Microstructures – Elsevier, Impact Factor: 2.123, Volume 111, p. 1050-1057, Nov 2017. <https://doi.org/10.1016/j.spmi.2017.08.002>

Mr Sadasivuni Venkatesh, AMIE

Assistant Professor, Department of Mechanical Engineering, Lendi Institute of Engineering & Technology, Jonnada, Andhra Pradesh

Title of Paper: "Surface Modification of AA 6351 for Improvement of Mechanical Properties Using Friction Stir Processing", International conference on "Latest Innovations in Engineering & Technology" (ICLIET-2018), 15-16 JUNE 2018. Organized by the Department of Mechanical Engineering, Lendi Institute of Engineering & Technology, Jonnada, VZM, AP.



Ms Khushnuma Parveen, AMIE

M.Tech Student, Institute of Engineering and Technology, Lucknow

Title of Paper: "Metamaterials: Types, Applications, Development, Future Scope", International Journal of Advance Research, Vol. 4, Issue 3, pp.2325-2327, 2018 [ISSN: 2454-132X]



Mr. S Manikandan, AMIE

Head of Department & Chairman - Board of Studies, Information Technology, E. G. S Pillay Engineering College (Autonomous), Nagapattinam,



Title of Paper: "Applications of it and ITeS in Today's World", Technical Pages, IEI - TLC - NEWS, In-House News Letter of Institution of Engineers (India), Tiruchirappalli Local Centre, Issue No. 2018/0102 https://drive.google.com/file/d/1k_xW1Hx-bdRji6KydhJsuRum19

WIBILS/view

Title of Paper : "An Adaptive Lsb Pattern Substitution For Detecting Bio-Metric Inputs", Applied Science Reports, Progressive Science Publications, E-ISSN: 2310-9440 / P-ISSN: 2311-0139, DOI:10.15192/PSCP.ASR.2018.22.1.2731, Volume 22, Issue 1, pp. 27-31, 2018.

Publications

by Members

Mr. R. Sundar, MIE

Scientist - C ESSO- National Institute of Ocean Technology, Ministry of Earth Sciences, Velachery Tambaram Main Road, Pallikaranai, Chennai, Tamilnadu

Title of Paper: “Reliability Metrics From Two Decades of Indian Ocean Moored Buoy Observation Network”, *Marine Technology Society Journal*, Vol. 52, No. 3, pp. 71-90, 2018, [DOI:<https://doi.org/10.4031/MTSJ.52.3.14>]



Title of Paper : “Coastal Observation by Moored Buoy System in Indian Region”, *Journal of Ocean Technology*, Vol. 13, No. 1, pp. 54-70, 2018.

Co-author : Dr. R. Venkatesan, Chairman, IEI-KLC

Mr. Yadvendra Singh, AMIE

Research Scholar at Indian Institute of Technology (Indian School of Mines) Dhanbad

Title of Paper: “Photonic-based Liquid Level Transmitter using Mach-Zehnder Interferometer for Industrial Application”, *SPIE OPTO, 2018, San Francisco, California, United States, Proc. SPIE 10539, Photonic Instrumentation Engineering V,105391A (22 February 2018), doi: 10.1117/12.2289616.*



Co-authors : Sanjeev K. Raghuwanshi, Manish Kumar

Dr. N. M. Hariharan, AMIE

Assistant Professor, Department of Biotechnology, Sree Sastha Institute of Engineering and Technology, Chennai

Title of Paper: “CFD Simulation of Twin Thermoacoustic Prime Mover for Binary Gas Mixtures”, *Published in High Temperature*, Vol. 56, No. 2, 2018, pp. 309–311, [DOI: 10.1134/S0018151X18020232]

Co authors: P. Sivashanmugam

Title of Paper : “CFD Simulation on the Performance of Twin Thermoacoustic Prime Mover for Various Resonator Lengths and Operating Pressures”, *Heat Transfer – Asian Research*, Vol. 47, 2018, pp. :337–346, [DOI: <https://doi.org/10.1002/htj.21306>]



Co authors : S. Arun, P. Sivashanmugam S. Kasthuriengan

Title of Paper : “Experimental Heat Transfer Behavior of Graphite–Water Microfluid in a Coiled Agitated Vessel”, *Heat Transfer – Asian Research*, Vol. 47, pp. 492–506, 2018, [DOI: 10.1002/htj.21314]

Co authors : Palani Sivashanmugam

Mr. Saadat Ali Rizvi, MIE

Ph.D.(Submitted)-Welding (IIT-BHU), Workshop Superintendent, University Polytechnic, JMI, New Delhi

Title of Paper: “Application of Taguchi Technique to Optimize the GME welding parameters and Study of Fracture Mode Characterization of AISI 304H Welded Joints”, *International Review of Applied Science and Engineering, IRASE*, Vol. 7, No. 1, pp. 9-16, June 2018, <https://akademai.com/doi/abs/10.1556/1848.2018.9.1.2>.



Mr. A. Muthu Manokar, AMIE

Research Scholar, Department of Mechanical Engineering, Kamaraj College of Engineering and Technology, Virudhunagar

Title of Paper: : “Experimental Investigation on Peltier based Hybrid PV/T Active Solar Still for Enhancing the Overall Performance”, *Energy Conversion and Management, Elsevier*, Vol. 168, pp. 371-381, 2018, <https://doi.org/10.1016/j.enconman.2018.05.011>



Co-authors : P. Pounraj, D. Prince Winston, A.E. Kabeel, B. Praveen kumar, Ravishankar Sathyamurthy, S. Cynthia Christabel

Publications

by Members

Mr. N Soundiraraj, AMIE

Assistant Professor, Department of Electronics and Communication Engineering, PSNA College of Engineering and Technology, Dindigul, Tamilnadu

Title of Paper: “LLC Resonant full Bridge DC-DC Converter with LC Anti Resonant Circuit”, *Journal of Electrical Engineering*, Vol. 18, 2018, Edition : 1, pp. 322-327.



Co-author : Rajasekaran Vairamani

Title of Paper : “Analysis and Performance Evaluation of Control Methods for LLC Resonant Converter”, *Journal of Computational and Theoretical Nanoscience* Vol. 15, pp. 685–689, Feb. 2018.

Co-author : Rajasekaran Vairamani

Title of Paper : “Mathematical Analysis and Design of ANFIS Controlled Resonant Converter”, *ISSN: 1748-0345 (Online), Taga Journal*, Vol. 14, pp. 108-119, 2018.

Dr Sudhanshu Sekhar Sahoo, MIE

Assistant Professor, Department of Mechanical Engineering, Bhubaneswar

Title of Paper: “Combined Heat Loss Analysis of Trapezoidal Shaped Solar Cooker Cavity using Computational Approach”, *Case Studies in Thermal Engineering*, Vol.12, pp.94-103, Elsevier, 2018 [<https://doi.org/10.1016/j.csite.2018.03.009>]



Title of Paper: “A Service-based Business Model for Rapid Diffusion of Solar Water Heaters in India”, *International Journal of Energy Technology and Policy*, *Inderscience*, Vol.14 (2-3), pp. 331–334, 2018[<https://doi.org/10.1504/IJETP.2018.090703>]

Mr. Deepankar Roy, AMIE

Scientist 'SE', Communication System Group U R Rao Satellite Centre, ISRO, Bangalore



Title of Paper: “RFIC Implementation Feasibility for Space System Miniaturization”, *International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)*, Vol. 7, Issue 6, June 2018.

Dr. M. Arun, MIE

Assistant Professor – Selection Grade, Department of Civil Engineering, PSG Institute of Technology and Applied Research, Neelambur, Coimbatore, Tamilnadu



Title of Paper: : “Strength and Behaviour of Geogrid Reinforced Concrete Beams”, *International Journal of Civil Engineering and Technology*, Vol. 9, Issue 6, June 2018 pp. 1295-1303.

Co-author(s) : Ramakrishnan. S, Loganayagan. S and Mugeskanna. M

Prof Vijayan Gurumurthy Iyer, FIE

Department of Civil Engineering, School of Mechanical and Civil Sciences, Vaddeswaram, Guntur, Andhra Pradesh

Title of Paper: “Study of Reciprocal Accountability and Total Quality Management in Education Sector and its Ideal Implementation towards Sustainable Development”, *Proceedings of International Conference on Computational Modelling, Simulation and Mathematical Statistics (AMMSA2018)*, May 27-28, 2018 China, pp.402-411 [<http://www.ammsa2018.org/com.htmlMay27-28>]



Prof P Nageswara Rao, FIE

Department of Electronics & Communication Engineering, Vardhaman College of Engineering, Hyderabad



Title of Paper: “The Effect of Aspect Ratio and Fractal Dimension of the Boundary on the Performance of Fractal Shaped CP Microstrip Antenna”, *Progress in Electromagnetic Engineering Research*, Vol. 64, pp.23–33, 2018.

Mr. Debasish Ghosh, MIE

Manager (A&T), Hindustan Aeronautics Limited, Hyderabad

Title of Paper: “JIT in Indian Aerospace Public Sector Undertakings- An Overview”, *Annual Technical Volume 2017-2018, Aerospace Engineering Division Board, IEI*, Vol. 2, 2018.

Co-author: Mr. Nilesh Perlekar



Publications

by Members

Prof S Mohideen Badhusha, MIE

Department of Computer Science & Engineering, Alva's Institute of Engineering and Technology, Mangalore

Title of Paper: "Improved Video Streaming using MSVC and Non-overlapping Zone Routing Multipath Propagation over MANETs", *International Journal of Communication Systems, Wiley, Vol.31, Issue 10, pp 1-23, 2018* [<https://doi.org/10.1002/dac.3578>], wileyonlinelibrary.com/journal/dac



Co-authors: Geetha B G, Prabhu P & Vasanthi R

Dr K Balachander MIE

Associate Professor, Department of Electrical and Electronics Engineering, Faculty of Engineering, Karpagam Academy of Higher Education, Karpagam University, Coimbatore

Title of Paper: "Designing and Implementation of a Hardware Model of Power Rationing using Lab View Instrumentation System", *International Journal of Mechanical and Production Engineering Research and Development, Vol.8, Issue 3, 2018, pp.977-984.*



Co-author: AAmudha

Title of Paper: "Reactive Power Compensation in a Three Phase Four Wire Distribution System using DSTSTCOM with Fuzzy Logic Controller", *Journal of Advance Research in Dynamical & Control Systems, Vol.10, Issue 5, pp.1109-1127, 2018.*

Co-authors: V Jesudass, Amudha M Siva Ramkumar

Mr. Dhananjay De, AMIE

M.Tech Student, IIT(ISM) Dhanbad

Title of Paper: "A Comparative Analysis of TM Guided Modes in Silicon on Insulator (SOI) based Rectangular Optical Waveguide", *Frontiers in Optics/Laser Science Conference (FiO/LS), Washington Hilton, Washington, D.C., September 16-20, 2018.*

Co-authors : Ritu Raj Singh and Vishnu Priye

Title of Paper: "Rectangular Waveguide based SOI Toluene Gas Sensor", *Conference Details: Frontiers in Optics/Laser Science Conference (FiO/LS), Washington Hilton, Washington, D.C., 16-20 September, 2018.*

Co-authors: Anumeha Varma, Ritu Raj Singh and Vishnu Priye

Mr S S Vasudeva, MIE

Consulting Engineer, Black & Veatch India Pvt. Ltd., Mumbai



Title of Paper: "A New Hydrological Approach to Source Evaluation for Public Private Participation Projects for Urban Drinking Water", *International Journal of Research in Engineering and Technology, Vol.7, Issue 4, pp.58-67, 2018* [<https://doi.org/10.15623/ijret.2018.0704010>]

Mr Matruprasad Rout, AMIE

Research Scholar, Metrology Lab., Department of Mechanical Engineering, IIT Kharagpur

Title of Paper: "Deformation Behaviour and Evolution of Microstructure and Texture during Hot Compression of AISI 304LN Stainless Steel", *Metallurgical and Materials Transaction A, Vol.49, Issue 3, pp.864-880, 2018.*



Prof K Lokesh Krishna, FIE

Department of Electronics & Communication Engineering, SV College of Engineering, Karakambadi Road, Tirupati

Title of Paper: "A High Speed two Step Flash ADC", *Proceedings of International Conference on Soft Computing Systems (ICSCS-2018), Springer, April 19-20, 2018, Kollam, Kerala.*



Co-authors: Yahya Mohammed Ali, Al-Naamani and K Anuradha



Publications

by Members

Dr Karpagaraj A, AMIE

Senior Assistant Professor, Madanapalle, Institute of Technology and Science



Title of Paper: “Studies on Spring back Effect of TIG Welded Ti-6Al-4V Sheets”, *Simulations for Design and Manufacturing*, pp.147-171, 2018, Springer India.

Mr Jebaveerasingh J, AMIE

Research Scholar, Karunya Institute of Technology and Sciences, Coimbatore

Title of Paper: “Super-resolution of Retinal Images using Multi-kernel SVR for IoT Healthcare Applications”, *Future Generation Computer Systems*, Elsevier, Vol.83, pp.338 – 346, 2018 [DOI: <https://doi.org/10.1016/j.future.2018.01.058>]



Co-author: J Dinesh Peter

Title of Paper: “Intelligent Image Interpolation for Super-Resolution of Retinal Images in Automatic Eye Disorder Diagnosis System”, *CSI Communications*, Vol.42, Issue 3, pp.24-26, 2018.

Co-author: J Dinesh Peter

Mr. Gururaj Hatti, AMIE

Assistant Professor, Department of Mechanical Engineering, KLS VEDIT, Haliyal, Karnataka



Title of Paper: “Fabrication and Mechanical Characterization of Glass Fibre Reinforced Epoxy Hybrid Composites using Fly Ash/Nano Clay/Zinc Oxide as filler IOP Conference Series: Materials Science and Engineering, Vol. 376, Conference 1”, *International Conference on Advances in Manufacturing, Materials and Energy Engineering (Icon MMEE 2018) 2–3 March 2018, Mangalore Institute of Technology & Engineering, Badaga Mijar, Moodbidri, Karnataka.*

Co-authors : Susilendra Mutalikdesai, Akshay Hadapad, Sachin Patole

Co-authors : Susilendra Mutalikdesai, Akshay Hadapad, Sachin Patole

Dr G S Mukherjee, FIE

Scientist, DESIDOC, DMSRDE, Defence Research & Development Organization

Title of Paper: “Spectroscopic Evaluation of Optical Parameters of a Transition Metal salt filled Polymer Material”, *Defence Science Journal*, Vol.68, Issue 2, pp.225-231, 2018.

Co-authors: M Banerjee and Amit Jain



Title of Paper: “Synthesis and Characterization of Polyurethanes using the Reaction of Hexamethylene Disocyanate with Varying Combinations of Telechelic Carbonaceous and PDMS Glycols”, *Journal of Indian Chemical Society*, 2018.

Co-authors: N Shukla and PK Khanna

Title of Paper: “Microstructural and Optical Properties of Polyvinyl Alcohol / Manganese Chloride Composite Film”, *Polymer Composites*, Wiley, 2018 [DOI: 10.1002/pc.25017]

Co-authors: M Banerjee and Amit Jain

Mr Prabir Kumar Datta, FIE

Member, PIANC International HQ, Brussels, Belgium and Senior Consultant

Title of Paper: “Corrosion of Structural Steel in Coastal Area and the Remedial Measures”, *View Point Magazine of Consulting Engineers Association of India*, June 2018 issue, pp.57-64.



Mr. Minesh K. Joshi, MIE

Assistant Professor, Department: Electrical Engineering, A D Patel Institute of Technology Gujarat Technological University



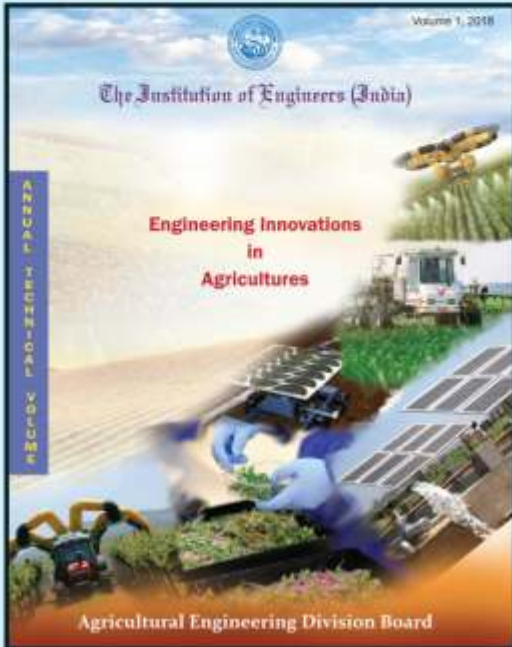
Title of Paper: “Permissibility of Interconnection of Individual Two-Port Networks”, *2nd International Conference Women in Science & Technology: Creating Sustainable Career*, BVM Engineering College, June 28-30, 2018.

Co-authors : Paresh R. Modha and Chandani S. Parmar

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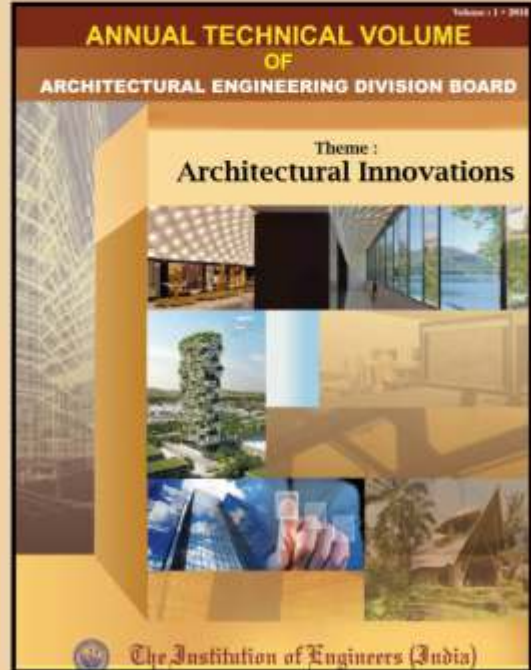
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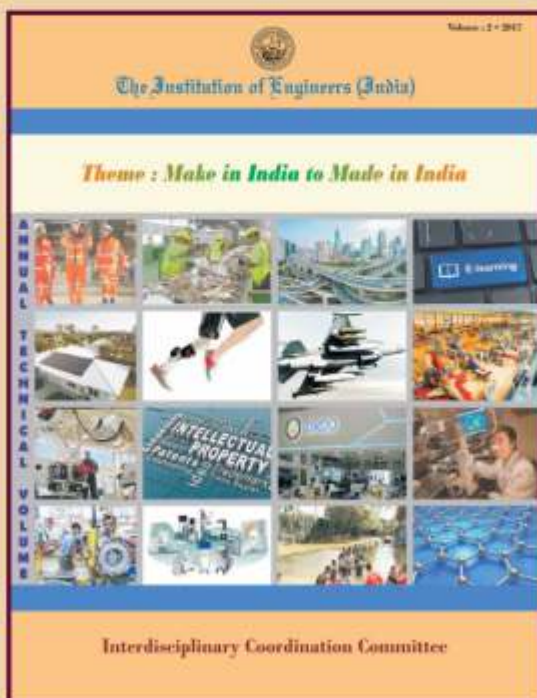


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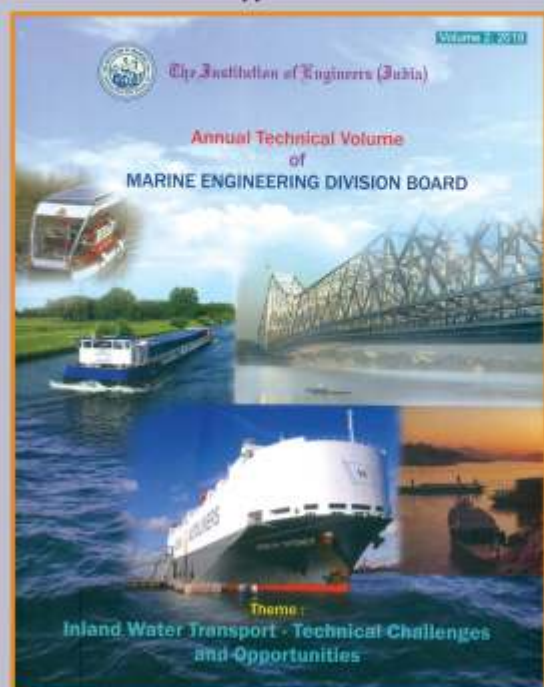


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Prof. U. S. Dixit, Dept. of Mech. Engg., IIT Guwahati
Dr. B. K. Saxena, Principal, Tolani Maritime Inst., Pune
Prof. A.K. Agarwal, Dept. of Mech. Engg., IIT Kanpur



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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



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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

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