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IEI-Springer Journal Series

MEMBERS *in the News*

Dr. Nutan Kumar Dash, FIE

Chairman, Agricultural Engineering Division Board, The Institution of Engineers (India)

Has become Executive Council Member of Odisha Bigyan Academy under Science and Technology Department, Govt. of Odisha from September 20, 2018 to September 20, 2020.



Ms Mangal Hemant Dhend, AMIE

Assistant Professor, AISSMS College of Engineering, Pune

Completed Ph.D from Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded in July 2018 on 'Distribution Monitoring Systems and Fault Diagnosis in Smart Grid'.



Mr. Devendra Gowda, AMIE

IPR Cell Coordinator, Sanjay Ghodawat University, Kolhapur, Maharashtra.



Selected as 'Workshop Coordinator' in the Workshop on 'Patent it Yourself – from Filing to Grant', organized by Sanjay Ghodawat University Kolhapur, IPR Cell

during August 24-25, 2018.

Dr. Satish Mohanrao Turkane, MIE

Associate Professor, Department of Electronics & Telecommunication Engineering, Pravara Rural Engineering College, Ahmednagar, Maharashtra.



Awarded PhD in Electronics & Telecommunication Engineering by Savitribai Phule Pune University,

Pune on August 20, 2018 on "Design of Energy Efficient FPGA for Moderate Speed Applications"

Mr. Ujjval Solanki, AMIE

Assistant Professor, Department of Civil Engineering, Darshan Institute of Engineering and Technology, Rajkot, Gujarat.

Completed PhD in Civil Engineering from School of Engineering and Technology, Rajkot University, on 'Structural Evaluation of Pavement using Dynamic Loading.'



Prof. P Booma Devi, AMIE

Professor and Head, Department of Electrical and Electronics Engineering, SSM College of Engineering and Technology, Dindigul, Tamilnadu.

Received a fund from National Commission for Women to Create Awareness about the Legal Rights of Women at RVS College of Engineering, Dindigul



MEMBERS

in the News

Prof. D Swain, FIE

Sugar Engineering Division, National Sugar Institute, Kanpur.

Has been Awarded with 'ISGEC Gold Medal for Engineering Excellence' in 76th Annual Convention and International Sugar Expo-2018 organised by Sugar Technologists' Association of India at Indore on August 20, 2018.



Dr. G Vaidyanathan, FIE

Former Director (Fast Reactor Tech Group), Indira Gandhi Centre for Atomic Research, Kalpakkam.

Invited to deliver Talk on 'Energy and its Impact on the Environment' at International Conference on 'Waste, Energy and Environment (ICWEE-2018)', during September 5-7, 2018 at Sathyabama Institute of Science and Technology, Chennai.



Dr. Dhundi Raj Dahal, FIE

Faculty of Environment and Technology, Mewar University, Chittorgadh, Rajasthan.



Awarded Ph.D on 'Public Participation in Environmental Management : A Case Study of Melamchi Water Supply Project' on August 1, 2018.

Dr. Arun Kumar Vishwakarma, AMIE

Junior Engineer, National Institute of Industrial Engineering, Mumbai.



Awarded Ph.D by Department of Civil Engineering, Indian Institute of Technology on May 9, 2018 on the title 'Study of Determinants of Proactive Environmental Strategies in Power and Cement Sectors'.

Dr. Pravin K Katare, MIE

Assistant Professor, Marathwada Mitra Mandal's College of Engineering, Pune.

Awarded Ph.D in Mechanical Engineering by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur in June 2018 on 'Concept Development, Experimental Investigation of Conical Compressor and Performance Analysis of Vapour Compression Refrigeration System using Different Refrigerants.'



Mr. Jaswant Singh Gill, FIE

Former Additional Chief Mining Engineer, Mahabir Colliery of Eastern Coalfield Limited, Raniganj, West Bengal.

His name was recorded by the 'World Book of Records' under Record title, "Largest Coal Mine Rescue Operation", which saved the trapped people in Mahabir Mine of Raniganj area in West Bengal.



MEMBERS

in the News

Dr. Ajit Kumar, AMIE

Assistant Professor, Department of Mining Machinery Engineering, IIT (ISM) Dhanbad.

Received the prestigious 'Er M P Baya National Award – 2018' by The Institution of Engineers (India), Udaipur Local Centre for the year 2018 for outstanding contribution in 'Technology Advancement in the Field of Mechanical Engineering' on the eve of Engineers' Day Celebration on September 15, 2018 at Udaipur.



Mr. Siba Prasad Sen, FIE

Former Director (Technical), National Hydroelectric Power Corporation Ltd.

Invited as Guest Speaker in '4th International Underground Excavations Symposium' at Istanbul organised by Chamber of Mining Engineers of Turkey Istanbul branch and Turkish Tunneling Society during September 13-14, 2018 to deliver lecture on 'Indian Tunneling Industry and its Evolution.'



Dr. C Bharatiraja, MIE

Associate Professor, Department of Electrical and Electronics Engineering, SRM Institute of Science and Technology, Chennai.



Received Bhaskara Advanced Solar Energy (BASE) Fellowship from Indo-U.S. Science and Technology Forum under Department of Science and Technology (DST), Government of India.

Dr. Yuvraj Premising Chauhan, AMIE

Lecturer in Plastic and Polymer, Govt. Polytechnic, Miraj, Dist. Sangli, Maharashtra.



Awarded Ph.D in Chemical Engineering on September 11, 2018 at University Institute of Chemical Technology, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon on 'Studies on Development of Adsorbents from Coal Fly Ash for Removal of Toxicants from Industrial Waste Water.'

Dr. Ambresh P Ambalgi, MIE

Assistant Professor, Department of Electronics Engineering, Mangalore University, Mangalore.



Received Research Project Titled, 'Design, Fabrication and Testing of Nanomaterial based Micropatch Antennas for Super High Frequency Wireless Applications' funded by 'Vision Group on Science and Technology, Karnataka Science and Technology Promotion Society', Government of Karnataka for the Year 2018-2021.

Delivered Technical Talks on 'Advanced Wireless Technologies and Satellite Communication Technology' on January 16-18, 2018, organized by Department of Electronics and Communication Engineering at Government Polytechnic College, Gulbarga.

Publications

by Members

Mr. Shahwaz Mustafa Khan, AMIE

Engineer, QD-SBG Construction, Qatar.

Title of Paper : 'Single Use Plastic : Challenges and Damage Control Strategies', Souvenir of 51st Engineers' Day, The Institution of Engineers (India) Qatar Chapter on September 28, 2018.



Mr. Shubham Raj, AMIE

Research Scholar, BTCM Division, Department of Civil Engineering, IIT Madras.

Title of Paper: 'Suitability of Recycled Aggregate as a Replacement for Natural Aggregate in Construction', Proceeding of 2nd International Workshop on 'Durability and Sustainability of Concrete Structures', ACI Special Publication, Vol.326, pp.37.1-37.10, Moscow, Russia, 2018.

Co-authors: Tripura D D, Mohammad S and Das R.



Dr. Ambresh P Ambalgi, MIE

Assistant Professor of Electronics, Mangalore University, Mangalore, India.

Title of Papers : 'Experimental and Simulation Study of Multiband Pentagon Slot Antenna for Wideband Applications', Journal of The Instrument Society of India, Vol. 47, No.4, 2018.

Co-authors: Sujata A. A, Sharanappa Chapi

Title of the Paper : 'Poly (ethylene oxide) based Gel Polymer Electrolyte for Lithium Ion Batteries', Presented in National Seminar on 'Emerging Trends in Chemical Science', Organized by Department of Chemistry, KLE Society's Jagadguru Tontadarya College, Gadag, Karnataka, 2018.

Co-authors: Ashwini Rayar, Sharanappa Chapi



Mr. Chetan Pramod Agrawal, AMIE

Lecturer, Department of Civil Engineering, NIT Polytechnic, Nagpur, Maharashtra.

Title of Paper : 'Linear and Nonlinear Dynamic Analysis of RC Structure for Various Plan Configurations using ETABS', i-manager's Journal on Structural Engineering, Vol.7, No.2, pp.63 – 69, 2018 [ISSN (P) : 2278 – 7887; e-ISSN: 2320 – 2343]



Prof. Dr. Vijayan Gurumurthy Iyer, FIE

Department of Civil Engineering, Koneru Lakshmaiah Education Foundation Deemed to be University, Vaddeswaram, Guntur District, Andhra Pradesh-522 502.



Title of Paper : 'Strategic Environmental Assessment (SEA) Process towards Sustainable Construction Management Development for the Indian Construction Industries to Achieve Business Excellence', Journal of Construction Management, Vol.XXXIII, Issue III, pp.48-56, 2018

[www.nicmar.ac.in/pdf/2018/03july-sep-2018.pdf]

Mr. S Manikandan, AMIE

Assistant Professor and Head / Chairman (Board of Studies) of Information Technology, E.G.S Pillay Engineering College (Autonomous), Nagapattinam.

Title of Paper : 'Intelligent Genetic Algorithm Usage and Implementation', *Proceedings of International Seminar on Innovations in Engineering and Sciences, Multimedia University, Melaka Campus, Malaysia on June 22, 2018.*

[<https://sites.google.com/site/profmaniit>]



Publications

by Members

Ms Damyanti Badagha, AMIE

Research Scholar, Department of Applied Mechanics, Sardar Vallabhbhai National Institute of Technology, Surat.

Title of Paper : ‘Sustainable Infrastructure Development using Waste Materials : Trends and Challenges’, Proceeding of National Conference on Large Scale Multi-Disciplinary System of National Significance – Trends and Challenges, April, 2018, pp. F-4, Sathyabama Institute of Science and Technology, Chennai



Co-authors: Pratik Chauhan, Jayesh Juremalani, C. D. Modhera

Title of Paper : ‘Comparative Analysis and Design of Plate Girder and Truss Girder for Railway Bridges’, Proceeding of National Conference on Large Scale Multi-Disciplinary System of National Significance - Trends & Challenges, April 2018, pp.D-11, Sathyabama Institute of Science & Technology, Chennai.

Co-authors: Pratik Chauhan, Yas Patel, Kushal J Parmar

Title of Paper : ‘Development of Automotive Hybrid Electric System’, *Proceeding of National Conference on Large Scale Multi-disciplinary System of National Significance-Trends & Challenges*, April, 2018, pp.H-3, Sathyabama Institute of Science and Technology, Chennai.

Co-authors: Pratik Chauhan, Yash Lethwala.

Mr. M P Sreekanth, AMIE

Assistant Professor, Department of Mechanical Engineering, Alva's Institute of Engineering and Technology, Mangalore.

Title of Paper : ‘Energy Effectiveness Achieved by Orienting Prototype of a Laparoscopic Instrument Handle using PolyJet Additive Manufacturing Technology’, *International Journal of Manufacturing Technology and Management : Special Issue in Green Production and Management*, Vol. 32. Issue 3, pp. 255-269, 2018.

Co-authors : Ranganathan, R., Vivek, C.



Dr. Randhir Kumar Singh, AMIE

Scientist ‘D’, Aerospace Materials Lab., Materials and Manufacturing Entity, ISRO - Liquid Propulsion Systems Centre, Thiruvananthapuram.

Title of Paper : ‘Influence of Duplex Ferritic-austenitic Matrix on two body Abrasive Wear Behaviour of High Chromium White Cast Iron’, *Wear, Elsevier, Vol.406-407, pp. 140 - 148, 2018, [https://doi.org/10.1016/j.wear.2018.04.004]*



Title of Paper : ‘Low Cycle Fatigue Behaviour of Nickel base Superalloy IN740H at 760°C : Influence of Fireside Corrosion Atmosphere’, *International Journal of Fatigue*, Volume 116, pp.623–633, 2018, [https://www.sciencedirect.com/science/article/pii/S0142112318303025]

Co-authors: P.S.M.Jena, J.K.Sahu, R.K.Rai, S.K.Das

Mr. M S Deepak, AMIE

Research Scholar, Department of Civil Engineering (S), Government College of Technology, Coimbatore.

Title of Paper : ‘Section Bending Resistance of New Hybrid Double-I-Box Beams’, *Advances in Structural Engineering*, Vol. 21, No. 11, pp. 1676-1695. [https://doi.org/10.1177/136943321773938]

Co-author : V. M. Shanthi

Title the Paper : ‘Distortional Buckling Moment Resistance Capacity of Hybrid Double-I-Box Beams.’ *Journal of Structural Engineering*, Vol. 144, Issue 9 September 2018, [https://doi.org/10.1061/(ASCE)ST.1943-541X.0002100].

Co-author : V. M. Shanthi

Title of Paper : ‘Member Distortional Buckling Behaviour of Hybrid-Double-I-Box Beams’, *Canadian Journal of Civil Engineering*, Vol. 45, pp. 605-622, [https://doi.org/10.1139/cjce-2017-0506.]



Publications

by Members

Mr. Koppuravuri V Pratap, AMIE

Asistant Professor, Civil Engineering Department, Narasaraopeta Engineering College (Autonomous) Narasaraopet 522601, Guntur, Andhra Pradesh



Title of Paper : 'Water Permeability, Porosity and Compressive Strength of High Performance Concrete', *International Journal of Pure and Applied Mathematics-Online*, Vol. 120, Issue 6, 4193-4209, 2018.

Co-authors : K. Venkatesh, Sk. Enthiyaz, M. Sumi, Y. Ratnasiri

Dr. P. Sivakumar, AMIE

Senior Instructor, Department of Civil Engineering, North Eastern Regional Institute of Science and Technology (NERIST), Nirjuli, Itanagar, Arunachal Pradesh.



Title of Paper : 'Simulating Control Valves in Water Distribution Systems as Pipes of Variable Resistance.' *Journal of Water Resources Planning and Management (ASCE)*, vol. 144, No.11, [DOI:10.1061/(ASCE)WR.1943-5452.0001002].

Co-authors : N B Gorev, V N Gorev, I F Kodzhespirova and I A Shedlovsky.

Mr. Arun Kumar Vishwakarma, AMIE

Junior Engineer, National Institute of Industrial Engineering, Mumbai

Title of Paper : 'Study of Determinants of Proactive Environmental Strategies in India's Power Sector', *Journal of Cleaner Production*, Vol. 194, 2018, pp. 43-53.



Co-authors : Arvind K. Nema and Shirish Sangle

Title of Paper : 'Role of Indian Cement Sector towards Sustainable Development', *Productivity : A Quarterly Journal of The National Productivity Council*, Vol. 59, 2018-19, Issue 1, pp. 73-80.

Co-authors: Shirish Sangle and Arvind K. Nema

Prof. P. Booma Devi, AMIE

Professor & Head, Department of Electrical and Electronics Engineering, SSM College of Engineering & Technology, Dindigul.



Title of Paper : 'An IoT based Smartbin for safe Clearance', National Conference on Instrumentation, Control and Biomedical Systems, Karunya Institute of Technology and Sciences, Coimbatore, April 13, 2018.

Mr. M Coumarane, MIE

Deputy Chief Engineer (Electrical), Centre for Applied Research and Development (CARD), NLC India Ltd, Neyveli. TN State, India.

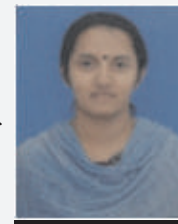
Title of Paper : 'Smart Metering Application in NLCIL Projects, Neyveli, Tamil Nadu', *National Conference on Smart Meter : Post-paid, Pre-paid and NET Metering, Jointly Conducted by CBIP and IEEMA*, New Delhi, September 6-7, 2018.



Dr. MS Latha, MIE

Associate Professor, Department of Civil Engineering, Sri Venkateshwara College of Engineering, Bangalore.

Title of Paper : Influence of Stirrup Spacing on Shear Resistance and Deformations of Reinforced Concrete Beams, *International Journal of Engineering & Technology*, Vol. 7, No. 1, Jan 2018, pp 126-134.



Title of Paper : Mortar Shrinkage and Flexure Bond Strength of Stabilised Soil Brick Masonry, *Journal of Materials in Civil Engineering*, Vol 30, Issue 5, 2018.

Publications

by Members

Prof. Somendra Mazumder, FIE

AICTE Emeritus Fellow, Delhi Technological University, New Delhi

Title of Paper : 'Hydraulic Considerations for Planning and Design of Guide Banks,' *IRC Journal of Indian Highways*, Volume 46, No.9, pp.21-28, 2018.



Mr. Devesh Kumar Singhal, MIE

Chartered Engineer, Certified Energy Auditor, Chandpur Enterprises Ltd., Sargam Theatre, Chandpur



Title of Paper : 'Data Mining Applications in Pulp & Paper Industries', Indian Pulp & Paper Technical Association's, IPPTA Zonal Seminar and Workshop held in Muzaffarnagar, August 17-18, 2018. The title of the same was 'Developing Efficient & Environment Friendly Operation', published in IPPTA Official International Journal, Volume 30, No. 2, April-June, 2018.

Mr. A.Keshav Bharadwaj, MIE

Research Scholar, Department of Computer Science Engineering, PES University, Bangalore.

Title of Paper : 'Progress in Requirement Modeling and Analysis in Software Development', *Proceedings of International Conference on Software Engineering Research and Practice (SERP'18)*, July 30-August 3, 2018, Las Vegas, USA.

Co-author : Dr. V.K.Agrawal,



Mr. Ashhad Imam, AMIE

Assistant Professor, Department of Civil Engineering, Sam Higginbottom University of Agriculture Technology and Science.

Title of Paper : Empirical Predictions for the Mechanical Properties of Quaternary Cement Concrete, *Journal of Structural Integrity and Maintenance*, Taylor and Francis, Volume: 3, Issue 3, pp 183-196, 2018..



Mr. Pindoriya Rajesh Manjibhai, AMIE

Research Scholar, Indian Institute of Technology Mandi, Himachal Pradesh.



Title of Paper : 'FPGA Based Speed Control of BLDC Motor Drives, *Institution of Electrical and Electronics Engineers (IEEE), Power and Energy Society (PES) General Meeting (GM)*, Portland, USA, August 05-10, 2018.

Mr. Manoj Wagh, AMIE

Assistant Professor, Dr. V. V. Patil College of Engineering, Ahmednagar

Title of Paper : 'Biogas Generation from Distillery Spent Wash by using an OPUR Western Biotechnology Process : a Case Study', *Journal of Desalination and Water Treatment*, Vol. 118, 2018, pp 241-248.



Mr. Akhilesh Kumar Yadav, AMIE

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



Title of Paper : 'Technological Reviews of Particulate Matter and their Source Identification Techniques Environmental Quality Management,' Vol. 27, No. 4, pp 87-95.

[DOI:10.1002/tqem.21554].

Publications

by Members

Mr. M M Gowthul Alam, MIE

Associate Professor and Head, Department of Computer Science and Engineering, National College of Engineering, Tirunelveli, Tamil Nadu.

Title of Paper : 'Local and global Characteristics based Kernel Hybridization to Increase Optimal Support Vector Machine for Stock Market Prediction', *Knowledge and Information Systems*, Springer, 2018

[<https://doi.org/10.1007/s10115-018-1263-1>]

Co-author : S. Baulkani



Mr. Sandeep Devrao Hanwate, AMIE

Research Scholar, Department of Electrical Engineering, Indian Institute of Technology Roorkee.



Title of Paper : 'Design of PID Controller for Sun Tracker System using QRAWCP Approach,' *International Journal of Comput. Intell. Syst.*, Vol. 11, No. 1, pp. 133–145, 2018.

Co-author : Y. V. Hote

Title of Paper : 'Adaptive Policy for Load Frequency Control,' *IEEE Trans. Power Syst.*, vol. 33, no. 1, pp. 1142–1144, 2018

Co-authors : Y. V. Hote, S. Saxena

Title of Paper : 'Design and Implementation of Adaptive Policy for Cart Inverted Pendulum System,' *Proc. Inst. Mech. Eng. Part I J. Syst. Control Eng.*, SAGE, pp. 1–16, 2018.

Co-authors : Y. V. Hote, A. Budharaja

Mr. Bhabatosh Biswas, AMIE

Research Scholar, Dr. M. N. Dastur School of Materials Science and Engineering, Indian Institute of Engineering Science and Technology, Shibpur, Howrah.

Title of Paper : 'Effect of Copper Incorporation on the Mechanical and Thermal Behavior of Jute Fiber Reinforced Unsaturated Polyester Composites', *Polymer Composites*, Vol. 39, No 1, 2018, pp. E101-E112

[DOI: 10.1002/pc.24181]

Co-authors: Sumit Chabri, Pravin Sawai, Bhairab Chandra Mitra, Kunal Das, Arijit Sinha

Title of Paper : 'Effect of Aluminum Addition on the Mechanical and Thermal Behaviour of Unsaturated Polyester/Jute Composites', *Advances in Polymer Technology*, Vol. 39, No. 1, 2018, pp. 810-821

[DOI: 10.1002/adv.21724].

Co-authors: Sumit Chabri, Pravin Sawai, Bhairab Chandra Mitra, Kunal Das, Arijit Sinha

Dr. Arijit Sinha, MIE

Assistant Professor, Dr. M N Dastur School of Materials Sciences and Engineering, Indian Institute of Engineering Science and Technology, Shibpur, Howrah.

Title of Paper: 'Synthesis, Characterization and Bioactivity of SrTiO₃ Incorporated Titanium Coating', *Journal of Materials Research*, Vol.33, pp.2087-2095, 2018

[DOI: 10.1557/jmr.2018.99]

Co-authors: Souvik Sahoo, Vamsi Balla, Mitun Das

Title of Paper: 'A Novel Study on Mechanically Alloyed Al-Mg System by X-Ray Diffraction Technique', *Nano-Structures and Nano-Objects*, Vol.16, pp.63-68, 2018.

Co-authors: Shubhadeep Maity, Supriya Bera



Programmes by Institution Members

**Calcutta Institute of Engineering and Management
Kolkata, West Bengal**

Programme to be conducted

**National Conference on 'Innovation and Sustainable
Solutions in the Civil Engineering'**

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**Adi Shankara Institute of Engineering and Technology
Ernakulam, Kerala**

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**National Workshop on 'Artificial Intelligence and
Machine Learning'**

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**Gandhi Institute for Technology
Bhubaneswar, Odisha**

Programme to be conducted

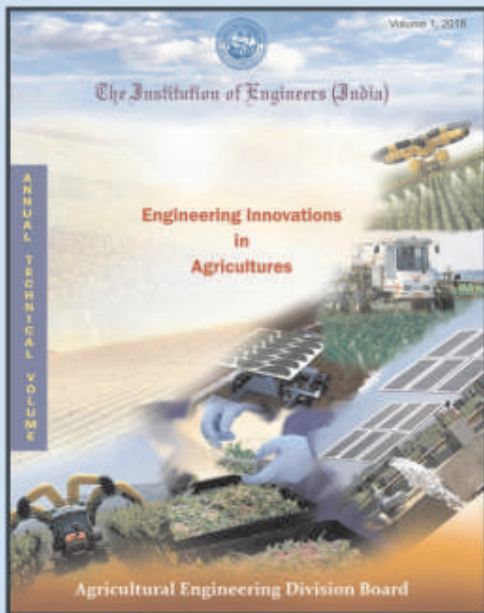
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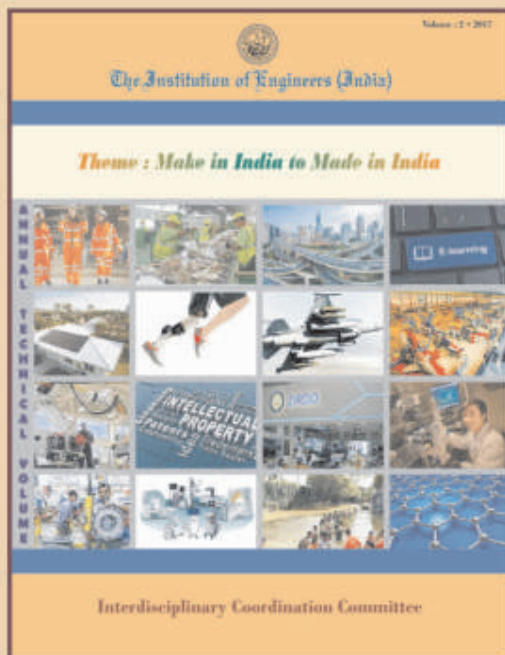


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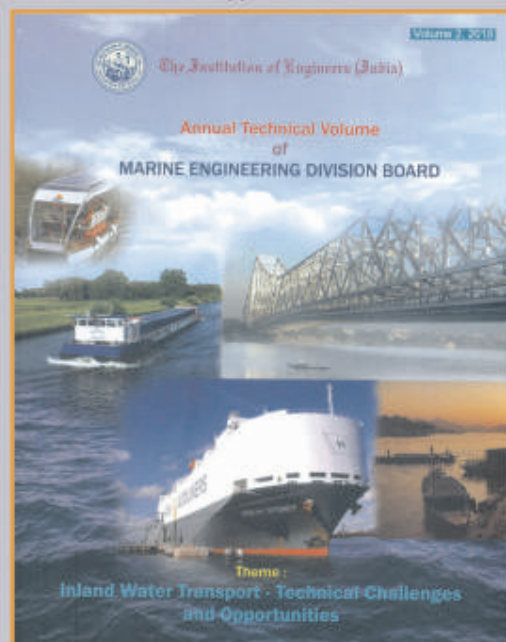
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 Prof S. P. Banerjee, Indian School of Mines, Dhanbad



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Series E: Chemical, Textile

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

Associate Editor:

Prof Kaustubha Mohanty, Department of Chemical Engineering, IIT Guwahati
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