

Epitome

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Members

in the News

Mr. Gurunath M. Naik Parrikar, FIE

Council Member, IEI & Chairman, IEI, Goa State Centre, Goa

Appointed as “Secretary General, Indian Water Works Association (IWWA)” for the years 2017-2019 w.e.f. April 01, 2017.

His tasks and assignment is to keep the association at higher level, both at National as well as international horizons and to activate dormant centres, increase Membership and promote awareness of IWWA, its activities and technical capability.



Prof. (Dr.) P.K. Parhi, FIE

Council Member, IEI & Chairman, IEI, Odisha State Centre, Bhubaneswar and Professor, Department of Civil Engineering, College of Engineering & Technology, Bhubaneswar

Conferred with ‘Award of Fellowship – 2016’ from National Council of Indian Institution of Industrial Engineering during the Valedictory Function at its 59th National Convention held on September 15, 2017 at MGMs Jawaharlal Nehru Engineering College, Aurangabad for his outstanding contribution to the field of Industrial Engineering and the Institution.



Mrs. Mangal Hemant Dhend, AMIE

Assistant Professor, Department of Electrical Engineering AISSMS College of Engineering, Sawitribai University of Pune, Pune, Maharashtra



Received ‘Recognition Award for Excellence in Technical Activity’ with the hands of MLA, India and President & Secretary of All India Shri Shivaji Memorial Society (AISSMS) on the occasion of ‘Shahu Jayanti’, June 26, 2017.

Dr. Pushpendra Singh, MIE

Associate Professor & Head, Department of Electrical Engineering, Institute of Engineering & Technology, J K Lakshmi Pat University, Jaipur, Rajasthan



✿ Honoured in the 6th Principals & Teachers Award 2017 for “Excellence in Education” at Birla Auditorium, Jaipur on September 02, 2017 by Simply Jaipur Magazine.

✿ Invited as Chief Guest by Dr. Radhakrishnan Institute of Technology, Jaipur to celebrate “Engineers Day” and delivered a talk on theme “Role of Engineers in Developing India” on September 15, 2017.

✿ Attended “Asian Summit on Education & Skills -2017” during September 17-20, 2017 in Mumbai.

Dr. Sanjay Agal, MIE

Principal, Dr .V. R. Godhaniya College of Engineering and Technology, Porbandar, Gujarat

Awarded with “Saraswat Sanman” by Mr Arjunbhai Modhwadia, Managing Trustee, Mr Maldevji Odedra Smarak Trust for his contribution in the field of education management and new approaches in handling education leadership to uphold Institute motto, on the occasion of ‘Teacher's Day’ September 05, 2017.



Members

in the News

Dr. Pranjal Kumar Phukan, MIE

Senior Manager, Brahmaputra Cracker and Polymer, Dibrugarh, Assam

Selected as “Member of Apex Advisory Board” on August 28, 2017, for ISCEA SCTECH SHOW 2018 (Supply Chain Technology) Conference and EXPO to be held on February 22-24, 2018 at the Bombay Exhibition Centre in Mumbai, organized by International Supply Chain Education Alliance (ISCEA).



Dr. Naveen B. P., AMIE

Associate Professor, Department of Civil Engineering, Amity School of Engineering & Technology, Amity University, Gurgaon, Haryana

Received the “Young Educator and Scholar Award”, from National Foundation for Entrepreneurship Development (NFED), Coimbatore on 5th September 2017 in the event of ‘8th Teachers Day 2017’ for his significant contribution to teaching and scholarly activities in the field of Civil Engineering.



Prof. (Dr.) Rupa Ch, AMIE

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

✿ Received a “National Award” by The Institution of Electronics and Telecommunication Engineers.

✿ “Brig M. L. Anand Award 2017” at Kakkanad, Kochi on September 16-18, 2017 for doing work and mentoring the students in the area of Cyber Security, on the occasion of 60th Annual Convention



Mr. Vijai Kumar Sharma, FIE

Former Additional General Manager, Ordnance factory, Khamaria, Jabalpur, Madhya Pradesh



Received “Special Award 2016-17”, for Excellence in Industrial Engineering and Chairman of a session for presentation of technical papers, at ‘59th National Convention of Indian Institution of Industrial Engineering (IIIE)’ & ‘International Conference on Manufacturing & Industrial Engineering (ICMIE-2017)’, September 14-16, 2017, organized in association with & at MGM’s JLN Engineering College at Aurangabad.



32nd

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, Chempauk, Chennai 600005, Tel: (044) 25360614/64998729, Fax: (044) 25369433
Web: iec2017chennai.in; Email: tisc@ieindia.org/convener.iec2017@gmail.com

Publications by Members

Ms. Damyanti G. Badagha, AMIE

Research Scholar, Structural Engineering, Applied Mechanics Department, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat



Title of Paper: "Experimental Investigation on High Performance Concrete containing Steel Industry Waste Focusing Rapid Chloride Penetration Test", *Proceedings of '42nd International Conference on Our World in Concrete and Structures', organized by CI - Premier Conference*

Organisation, Singapore, at Singapore held on August 24-25, 2017.

Co-author: Dr. C. D. Modhera

Dr. Arup Kumar Mandal, MIE

Department of Metallurgical Engineering, Indian Institute of Technology, (Banaras Hindu University), Varanasi, Uttar Pradesh

□ **Title of Paper:** "Effective Utilisation of Waste Fines in Preparation of High-basicity Double-layer DRI Pellets for Minimisation of Sticking", *Mineral Processing and Extractive Metallurgy, Transactions of the Institutions of Mining and Metallurgy: Section C, Volume 126, Issue 3, pp. 182-190, July 26, 2016 (published online).*

Co-author: Om Prakash Sinha

□ **Title of Paper:** "Preparation and Characterization of Fired Bricks Made from Bottom Ash and Iron Slime", *Journal of Materials in Civil Engineering, ASCE, Vol. 29, Issue 4, April 2017.*

Co-author: Om Prakash Sinha

□ **Title of Paper:** "Effect of Bottom Ash Fineness on Properties of Red Mud Geopolymer", *The Journal of Solid Waste Technology and Management, Vol. 43, Issue 1, pp. 26-35, February 2017.*

Co-author: Om Prakash Sinha



Dr. N. Kishore Nath, FIE

Scientist-F & Deputy Project Director-AGNI-4, Advanced Systems Laboratory, Dr. APJ Abdul Kalam Missile Complex, DRDO, Hyderabad. Telangana



Title of Paper: "Optimization of Tape Winding Process Parameters to Enhance the Performance of Solid Rocket Nozzles Throat Back Up Liners using Taguchi's Robust Design Methodology", *Journal of The Institution of Engineers (India) : Series C, Vol. 98, Issue 4, pp. 479-484, August*

2017.

Prof. (Dr.) AKA Rathi, FIE

Visiting Professor, Ahmedabad University, Visiting Faculty, L. D. College of Engineering, Ahmedabad, Former Professor, CEPT University, Former Director (Environment), Government of Gujarat, Former Chief Technical Adviser, Government of Gujarat

Title of Paper: "Environmental Impact Assessment for Fine and Specialty Chemical Projects", *Specialty Chemicals Magazine, UK, Vol. 37, Issue 4, pp. 64-65, August 2017.*



Mr. Sravankumar Jogunuri, AMIE

Assistant Professor (Electrical Engineering), Department of Basic Engineering & Applied Sciences, College of Agricultural Engineering & Technology, Godhra, Gujarat.



Title of Paper: "Sizing an Off-Grid Photo Voltaic System: A Case Study", *Proceedings on 'International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS)-2017', IEEE Conference organized by SKR Engineering College, Chennai during*

August 01-02, 2017, Vol. VI, pp. 334-338.

Co-author(s): Ravish Kumar and Deepak Kumar

Publications by Members

Mr Sachin Ghalme, MIE

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



Title of Paper: “Wear Loss Evaluation of Silicon Nitride–Hexagonal Boron Nitride Composite using Taguchi Method”, *Juniper Online Journal on Material Science (JOJMS)*, Vol. 2, Issue 4, pp. 1-5, August 2017.

Mr. B Santhosh Kumar, MIE

Deputy Executive Engineer, Water Resources Department,
Government of Andhra Pradesh & Research Scholar,
Department of Civil Engineering, Gitam University,
Visakhapatnam, Andhra Pradesh

□ **Title of Paper:** “The Impact of Cyclonic Importance Factor and its Effect on a type and Lean-to Roof Trusses”, *Disaster Advances*, Vol. 10, Issue 5, pp. 42-47, May 2017.

Co-author(s): Prof Balaji K.V.G.D. and Dr Chandan Kumar Patnaikuni



□ **Title of Paper:** “A Study of K4 Factor Impact on Industrial and Post-Cyclonic Importance Structures”, *International Journal of Civil Engineering & Technology (IJCIET)*, Vol. 8, Issue 7, pp. 264-273, July 2017.

Co-author(s): Prof Balaji K.V.G.D. and Dr Chandan Kumar Patnaikuni

□ **Title of Paper:** “Latency of IS 875 (Part3):2015 Provisions on Low Rise Buildings”, *Proceedings of ‘Structural Engineering Convention (SEC-2016)’*, CSIR-Structural Engineering Research Centre, Chennai, December 21-23, 2016.

Co-author(s): Prof Balaji K.V.G.D. and Dr Chandan Kumar Patnaikuni

Mr. Arun Kumar Mohanta, AMIE

Material Engineer, CMEC Consulting Engineers Pvt. Ltd.,
Consultancy Service for Authority's Engineer of NH 53, Odisha



Title of Paper: “Perceptivity of Solid Waste and Their Sustainable Management in Urban Vicinity”, *Proceedings of ‘International Interdisciplinary Conference on Science, Technology, Engineering, Management, Pharmacy and Humanities’*, organized by Innovative

Research Publication and DAV Institute of Engineering & Technology, Jalandhar, at Nanyang Technological University, Singapore, pp. 423-431, April 22-23, 2017.

Mr. C. P. Kumar, FIE

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

Title of Paper: “Hydrological Research at National Institute of Hydrology, India”, *World Journal of Research and Review (WJRR)*, Vol. 5, Issue 3, pp. 21-27, September 2017.



Mr. S. Suresh, AMIE

Scientific Officer, Pyro Process Engineering Division, Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam,
Tamilnadu



Title of Paper: “Experience Gained in Safety Management during Construction of Pyro Process R&D Facility”, *Proceedings of 34th DAE Safety & Occupational Health Professional's Meet at Kudankulam Nuclear Power Project (KKNPP)*, Nuclear Power Corporation of India

Ltd. held during June 28-30, 2017 at Anuvijay Township, Kudankulam, Tamil Nadu.

Co-author(s): S. P. Ruhela, B. Muralidharan and Dr. U. Kamachi Mudali

Publications by Members

Dr. Mahendra Pratap Choudhary, FIE

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



Title of Paper: “Evolution of Water Quality Index of River Chambal, Kota, Rajasthan, India”, *Journal of Indian Water Works Association*, Vol. XXXIX, Issue 2, pp. 93-100, April – June 2017.

Co-author: Bane Singh

Mr. Pritam Biswas, AMIE

Assistant Manager (Mining), Department Planning & Design (P&D), Central Mine Planning & Design Institute Limited, Bhubaneswar, Odisha



Title of Paper: “Selection of Optimum Cut-Off Grade for Surface Mining of Metalliferous Deposits: A Review”, *Journal of Mines, Metals & Fuels*, Vol. 65, Issue 2, pp. 66-79, February 2017.

Dr. B. Venkateswara Rao, MIE

Associate Professor, Department of Electrical & Electronics Engineering, V R Siddhartha Engineering College, Vijayawada, Andhra Pradesh

□ **Title of Paper:** “Optimal Parameter Setting of UPFC and Real Power Generation Cost Minimization using Cuckoo Search Algorithm”, *International Electrical Engineering Journal (IEEJ)*, Vol. 7, Issue 11, pp.2440-2445, August 2017.

Co-author: G. V. Nagesh Kumar



□ **Title of Paper:** “FVSI based Optimal Location of TCSC to Control the Power Flow in Transmission Line using Mipower Software”, *Proceedings of ‘2nd National Conference on Emerging Trends in Power Energy and Control (ETPEC-17)’ at VIGNAN'S Foundation for Science Technology & Research University, Guntur, Andhra Pradesh, August 11-12, 2017.*

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

Mr. Sumer Singh, AMIE

Guest Faculty, Department of Civil Engineering, Government Polytechnic College Jodhpur, Rajasthan



Title of Paper: “Stabilization of Waste Sand Obtained from Stone Industries as Foregoing Alternatives for Morden Bricks”, *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 6, Issue 9, pp. 18381-18389, September 2017.



All Corporate Members of IEI are requested to send
their Achievements and Publications to :

newsletter@ieindia.org

book review



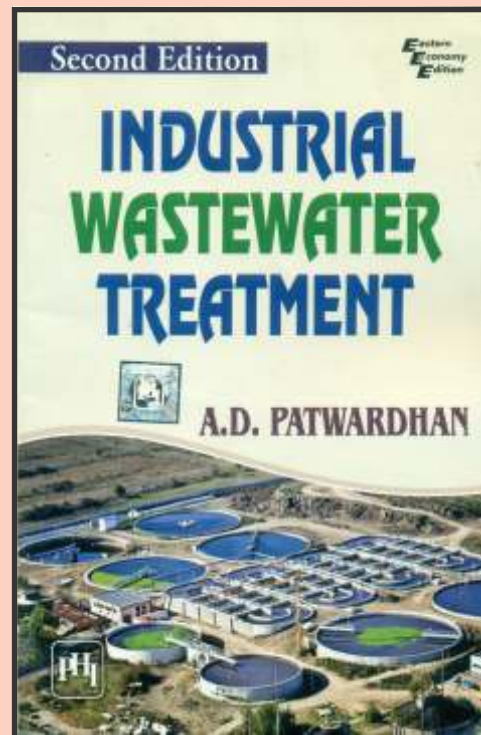
Mr. A. D. Patwardhan, FIE

*Process Design Consultant & Former Professor
Veermata Jijabai Technological Institute, Mumbai*

Industrial Wastewater Treatment

The book is designed primarily to meet the needs of undergraduate and postgraduate students of Civil, Chemical Engineering and Environmental Science and Engineering. It also offers information to the consultants in Environmental Engineering and others engaged in treating industrial wastes. The book deals with the general aspects of industrial wastes, their effect on aquatic environment, unit operations and unit processes used in treating industrial wastes, sampling, analysis, characterization, conducting treatability studies. It further discusses the various industrial wastes, describing the manufacturing process involved. The students will find this book extremely useful in their studies as well as their lab work, while professionals will find it a dependable reference book as it will give them Indian experiences and an exhaustive reference list- though they may miss some diagrams and cost figures. This book attempts to show the reader that it is technically possible and economically feasible to reduce and in some cases, eliminate pollution caused by industrial wastewater.

Publisher: PHI Learning Private Limited



Programme by our Institutional Member

New Horizons Institute of Technology, Durgapur, West Bengal

Organized a national level Seminar cum Workshop on “Solar & other Renewable Energies, their Potential and Future Prospects in India” on September 09-10, 2016 in collaboration with The Institute of Engineers (India), Durgapur Local Centre.

Speakers:

1. Prof S. N Mahato from National Institute of Technology (NIT), Durgapur,
2. Prof T. K Saha from NIT, Durgapur
3. Prof. Sujoy Basu, from Jadavpur University, Kolkata
4. Mr. Joy Chakraborty, Divisional Engineer, West Bengal Renewable Energy Development Agency.
5. Mr. Sharwan Kumar, Chairman cum M.D, JMKC Green Energy, Rajasthan



Welcome to IEI New Institutional Members



**Central Water & Power
Research Station**
Pune, Maharashtra



**Sphoorthy Engineering
College**
Saroornagar, R R Dist, Telangana



**Nandha Engineering
College (Autonomous)**
Erode, Tamilnadu



**Chhotu Ram Rural
Institute of Technology**
Kanjhawala (Ghevra), Delhi

**University College of
Engineering Kakinada
(Autonomous)**
Kakinada, Ahdhra Pradesh



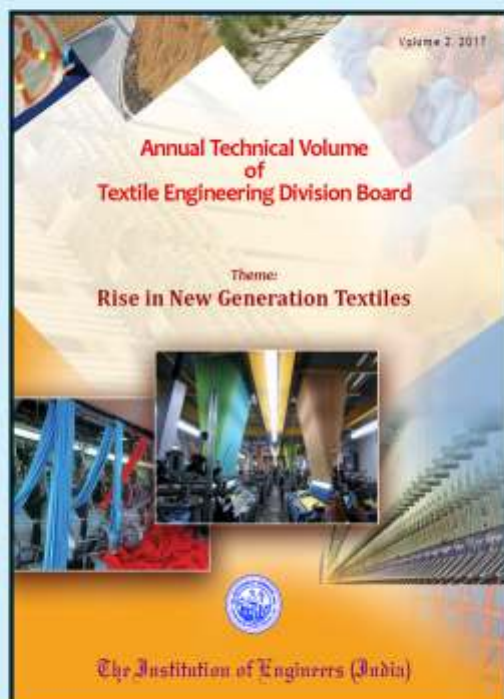
**Vasireddy Venkatadri
Institute of Technology**
Gundur Dist, Andhra Pradesh

Cerins Co Ltd
New Panvel Navi Mumbai
Maharashtra

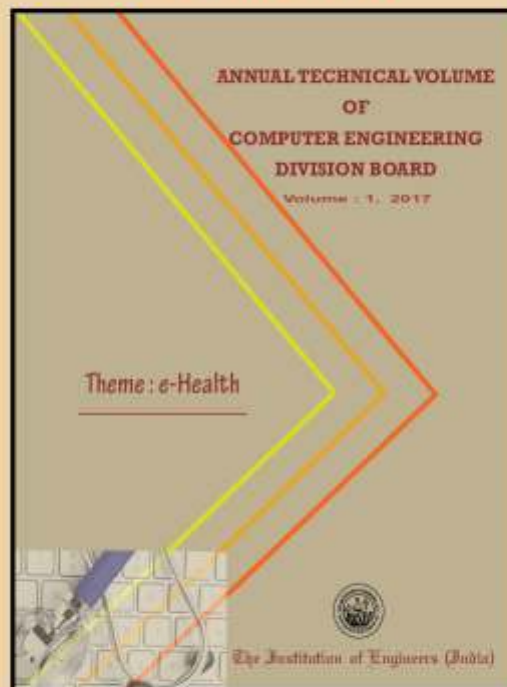
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Textile Engineering Division Board

Theme: "Rise in New Generation Textiles"

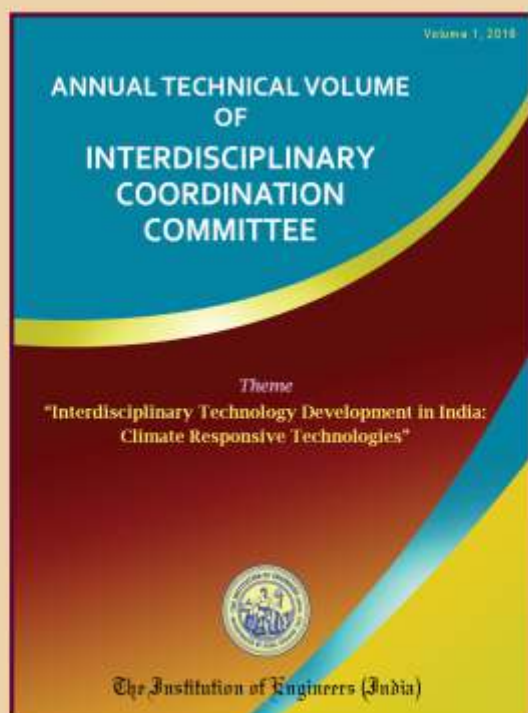


Computer Engineering Division Board



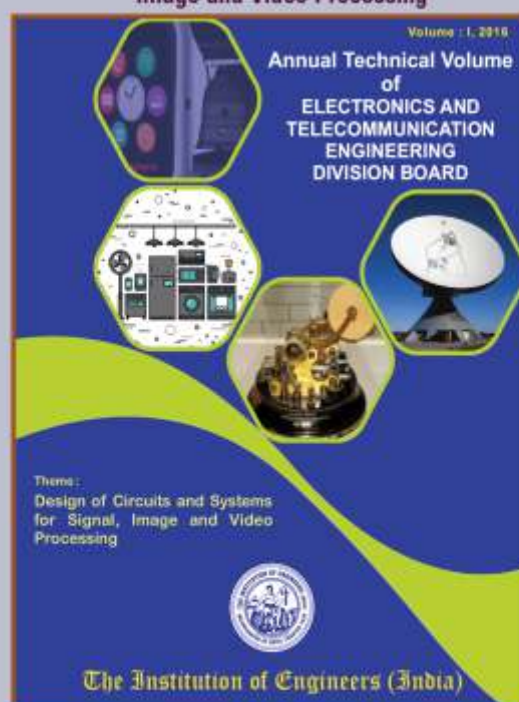
Interdisciplinary Coordination Committee

Theme: "Interdisciplinary Technology Development in India: Climate Responsive Technologies"



Electronics and Telecommunication Engineering Division Board

Theme: "Design of Circuits and Systems for Signal, Image and Video Processing"



Call for Papers for Annual Technical Volumes

| 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 |
| Agriculture | Engineering Innovations in Agriculture | 30/11/2017 | agdb@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 |

IEI – Springer Journal Series

Series A: Civil, Architecture, Environment, Agriculture

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ISSN Online: 2250-2157



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ISSN Online: 2250-2114

Series B: Electrical, Computer and Electronics & Telecommunication

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

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ISSN Online: 2250-0553

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Series C: Mechanical, Production, Marine, Aerospace

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

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ISSN Print: 2250-2122

ISSN Online: 2250-2130

Series D: Metallurgical & Materials and Mining

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

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ISSN Print: 2250-2483

ISSN Online: 2250-2491

Series E: Chemical, Textile

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

Editor-in-Chief:

Prof. A. R. Balakrishnan

Dept. of Chemical Engg., IIT Madras

Associate Editor:

Dr. Abhijit Majumdar, Dept. of Textile Technology, IIT Delhi

MEMBERS' SPEAK

I like to congratulate and convey my best wishes for continued success of IEI Epitome newsletter. If it is possible to include one cover story every month on recent research areas (ongoing, nascent and future areas) of any subject area by eminent scientists or researchers (may or may not be a member, can be offered honorary member if required). This will help students and researcher members to widen their perspective and will help in identifying cross domain focus areas of research. Please have brain storming session over this suggestion and include in future issues otherwise it (the newsletter) becomes only a one time look through and vanishing impact. Make it something that members will print and keep on desk for frequent reference.

Mr. Giridhar Maji, MIE

Faculty Member, Electrical Engineering Department
Asansol Polytechnic, Department of Tech. Edu. & Training, West Bengal

The new look of the IEI site very excellent and easy to find out particular window of required section. Also covered all the upgradation regarding fee and rules regulations of the Institution. This site will help to encourage the membership enhancement also. All the corporate and non corporate members shall be benefited. My best wishes to epitome as well as site upgradation team.

Mr. Vinay Kumar Shukla, MIE

Dy. Manager, Instrumentation Department, NFL &
Honorary Joint Secretary &
Executive Member of E & T branch,
IEI, Gwalior Local Centre, Madhya Pradesh

Thank you very much for your kind efforts on publishing the e-News MAGAZINE and encouraging the Engineering community in National Level and making them to popular via IEI-Epitome and for your continuous support.

Mr. M. Coumarane, MIE

Deputy Chief Engineer/Electrical,
NLC India Ltd, Neyveli, Tamilnadu

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.

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Mr P Chakraborty, Mr S Bagchi

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