

Epitome

November 2017, Volume 2, Number 11

Members in the News

2

Publications by Members

6

Programme by Institutional Members

13

New Institutional Members

14

Annual Technical Volumes

15

Call for Papers for Annual Technical Volumes

16

IEI-Springer Journal

17

Members' Speak

18

Members

in the News

Prof. A. K. A. 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



Delivered invited Plenary Lecture on “Indian Chemical Industry: Environmental Sustainability Challenges and Opportunities” on September 16, 2017 during ‘International Conference on Paradigm Shift in Chemical Engineering Education, Processes and Technology’, organized by The Institution of Engineers (India), Gujarat State Centre at Ahmedabad.

Dr. Ajit Kumar, AMIE

Assistant Professor, Department of Mining Machinery Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad



Received Best Research Paper Award (Engineers’ Day Awards – 2017) for the papers published in the last two years in peer reviewed journals by Jharakhand State Centre of The Institution of Engineers (India) on September 15, 2017 at Engineer Bhawan, Ranchi on the occasion of 50th Engineers’ Day Celebration.

Profulla Kumar Pal, MIE

Consultant, Dynamic Engineering Services, Kolkata

Received a National Award for the “Contribution to Indian Industries for Improvement of their Productivity”. The Award was presented by Shri S. K. Patil, Ex-Lok Sabha Speaker and Former Governor of Punjab and by Dr. Bhisma Narain Singh, Former Governor of Tamilnadu & Assam in presence of several State Ministers and National Leaders at a glittering function at India International Centre, New Delhi on October 10, 2017. The National Award was presented by India International Friendship Society, New Delhi.



Dr. Raghupatruni Bhima Rao, FIE

Immediate Past Chairman, IEI, Odisha State Centre, Bhubaneswar

Was felicitated as

- Elder Engineer at the The Institution of Engineers (India), Andhra Pradesh State Centre on September 04, 2017.
- Eminent Engineering Personality, at The Institution of Engineers (India), Pune Local Centre on September 09, 2017.
- Elder Engineer, Former Student of Andhra University, at Department of Chemical Engineering, Andhra University on September 12, 2017.
- Elder Engineer at The Institution of Engineers (India), Odisha State Centre on September 15, 2017 during ‘Engineers Day’.



Prof. Amar Kumar Das, MIE

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

Received Best Faculty Advisor Award for the year 2017 for overall performance and leadership for organising technical activity in Indian Society of Technical Education Students’ Chapter of Odisha Section.

Mr Vineet Dubey, AMIE

Department of Mechanical Engineering, Institute of Engineering & Technology, Lucknow

Attended the AICTE sponsored Short Term Course on “Recent Advancement in Product Design, Manufacturing and Maintenance Techniques” held at Indian Institute of Information Technology, Design and Marketing, Jabalpur during September 16-20, 2017.



Members

in the News

Prof. R. Sasikumar, FIE

Director – Research, Selvam College of Technology, Tamilnadu

- Received the Grant from DRDO – Armament Research Board, Government of India.
- Organized the National level Workshop on “Fabrication and Characterization of Advanced Composites” during September 22-23, 2017.
- Received the Research Grant from DST – SERB, Government of India for the Research project title, “Thermal Management of Heat Sinks using Advanced Aluminium Boron Nitride Composite Materials” . [Grant order dated August 03, 2017].



Dr. P. S. Ambily, MIE

Senior Scientist, CSIR-Structural Engineering Research Centre, Chennai

Received ICI (Chennai Centre) – Utra Tech Award -2017 for Outstanding Young Concrete Engineer of Tamilnadu on September 12, 2017.

Delivered an invited talk on ‘Self Compacting Concrete’ in the Workshop on ‘Special Concrete for Special Construction’, organised by Association of Consulting Civil Engineers (India), Chennai Centre on September 09, 2017.



Mr. Sunil Koshy, AMIE

Engineering Team Leader, Caterpillar Underground Mining Pty Ltd, Burnie, Tasmania, Australia 7320, Caterpillar, Australia



Received three Patents for “Hand Rail Locking Mechanism” from USA. [Patent No. US 9233646 B2, January 12, 2016; US 9481307 B2, November 1, 2016; US 9487145 B2, November 8, 2016]



Mr. Girish Shukla, MIE

Founder - RiG Services - Technology and Business Solutions, Jabalpur

Completed the Course on ‘Management and Leadership Growing’ as a Manager and has completed the courses on ‘Introduction to Cyber Security’ and ‘The Internet of Things’.

Dr. G. S. Mukherjee, FIE

Scientist – Defence Scientific Information and Documentation Centre, Defence Research & Development Organization (DRDO); Scientist - G-FAST, DRDO; Scientist - Polymer Science and Composite Materials DMSRDE, DRDO

Received International Recognition of ‘Publons Peer Review Award-2017’.



Dr. Jayakumar M., FIE

Dy. Project Director (Avionics, Electrical Integration & Checkout), RLV Project, Vikram Sarabhai Space Centre, Indian Space Research Organisation

Received the ‘IETE- Shri Devi Singh Tyagi Memorial Award – 2017’ of The Institution of Electronics and Telecommunication Engineers (IETE). The award is given for his outstanding contribution in the field of Avionics / Defence Electronics resulting in strategic/commercial advantage towards the national objective of “Make in India”. The award was presented at 60th Annual IETE Convention held on September 17, 2017 at Rajagiri School of Engineering & Technology, Kochi, Kerala.



Members

in the News

Mr. Kamal Krishna Laha, FIE

Corporate Member, IEI

Received IE Australia Award 'Professional Engineer of the year 2017'.



Mr. Kamlesh R. Jethva, MIE

Assistant Professor, College of Agricultural Engineering and Technology, Anand Agricultural University, Godhra, Gujarat



Received "Best Teacher Award" from Hon. Governor of Gujarat Shri. O. P. Kohli, in the Faculty of Agricultural Engineering for the academic year of 2015-16 during 13th Convocation held on January 06, 2017 at Anand Agricultural University, Anand.

Dr. S. Lakshminarayana, FIE

Principal Scientist, CSIR-National Institute of Oceanography, Visakhapatnam

Received "Fellow of APAS" for the Year 2017 from Andhra Pradesh Academy of Sciences in the area of IT and Computer Sciences.



Prof. C. Kayalvizhi, AMIE

Professor/Head, Department of Textile Technology, RVs College of Engineering, Dindigul



Represented in India International Science Festival in the National Start Up Summit 2017 held at Anna University, Chennai during October 13-16, 2017.

Dr. V. K. Pandey, FIE

Honorary Secretary, Chhattisgarh State Centre, The Institution of Engineers (India), Raipur

Felicitated as an "Outstanding and Eminent Engineer of the State" by the Chief Guest Mr. Gauri Shankar Agarwal, Hon'ble Speaker, Chhattisgarh Vidhan Sabha and Shri Brij Mohan Agrawal, Hon'ble Minister, Agriculture & Water Resources, Govt. of Chhattisgarh, Raipur on the occasion of Joint Engineers Day celebration held on September 15, 2017.



Mr. Manas Pratim Sharma, AMIE

Deputy Manager (E/M), Ranganadi Hydro Electric Plant North Eastern Electric Power Corporation, Arunachal Pradesh



Obtained the "Degree of Master of Business Management in Power Management" in 2013-2016 under Distance Mode of Centre of Continuing Education (CCE) at University of Petroleum and Energy Studies, Dehradun on June 12, 2017.

His Dissertation paper for the final semester was 'Online Condition Monitoring of Power Transformers'.

Dr. Indrasen Singh, FIE

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

Received "Mahatma Gandhi Excellence Award" from Shri Shivraj Vishwath Patil, Former Governor of Punjab and Administrator of Chandigarh, Former Speaker of Lok Sabha and Former Home Minister at new Delhi on October 04, 2017 in recognition of contribution and dedication to worthy causes and his achievements in keeping the flag of India High from IIFS, New Delhi.



Members

in the News

Mr. Fasludeen N. S., AMIE

Research Scholar, Department of Postharvest Engineering and Technology, Aligarh Muslim University, Aligarh

- Received Best Paper Presentation Award from Department of Physical Education, Aligarh Muslim University, Aligarh during October 7-8, 2017 on the theme Osmotic Dehydrated Foods as Healthy Snack for Sports Persons. On the occasion of National Conference on Sports, Exercise and Health Sciences.
- Received Best Social Startup Idea Award Startup: 3R Aggristart Event: National Startup Competition "Idea for Social Change Competition", Organized by Piramal School of Leadership and Aligarh Muslim University during October 2017.



Dr. Prabhudev M. S., FIE

Head, Mechanical Engineering, Government Polytechnic, Kalaburagi, Karnataka

Invited as a Resource Person for Seminar/Talk on the Topic, "Job Hunting & Employment Selection Process" Jointly Organised by Department of Mechanical Engineering, Government Polytechnic Afzalpur and The Institution of Engineers (India), Kalaburagi Local Centre on October 16, 2017.



Mr. Vishnu Ranjan Bankar, AMIE

Mechanical Engineering, Manufacturing Engineering & Automation, Bajaj Auto Ltd., Pune



Qualified Ph.D Entrance Examination of Savitribai Phule Pune University, Pune, Maharashtra in Engineering subject with Science & Technology Faculty on October 29, 2017.

Mr. Rakesh Reddy Eadala, AMIE

Thought-Leader, National Mission for Clean Ganga, Ministry of Water Resources, River Development and Ganga Rejuvenation, Government of India

- Received the Medal, Awarded at 9th Convocation of Veer Surendra Sai University of Technology, Burla, Sambalpur on October 24, 2017.
- University Gold medal for Best Post Graduate in Civil Engineering by Veer Surendra Sai University of Technology.



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

Publications by Members

Dr. R. H. Khan, MIE

Department of Mechanical Engineering, Federal University of Technology, Minna, Niger State, Nigeria



Title of Paper: "Effect of Chromium on Grain Refinement of LM11 Aluminium Alloy Sand Castings", *FUOYE Journal of Engineering and Technology*, Vol. 2, Issue 1, pp. 59- 62, March 2017.

Co-author(s): J. B. Agboola and S. O. Ubokwe

Dr. Pushan Kumar Dutta, MIE

Assistant Professor and Research Coordinator, Department of Electronic & Communication Engineering RGM College of Engineering and Technology, Nandyal, Kurnool, Andhra Pradesh

Title of Paper: "Earthquake Alarm Detector Microcontroller based Circuit for Issuing Warning for Vibration in Steel Foundations", *International Journal of Mechatronics, Electrical and Computer Technology*, Vol. 7, Issue 26, October 2017, PP. 3582-3594.



[DOI: ijmec/10.225147,2017]

Title of Paper : "Identification of Collision Mechanism at Seismogenic Fault Interface using Finite Element Analysis Involving Plate Bending Applications using Ant Colony Optimization", *Journal of Applied Engineering Sciences*, pp. 15-22, 2017.

[DOI: 10.1515/jaes-2017-0002]

Co-author : Om Prakash Mishra

Title of Paper : "Monitoring of Radon and Air Ionization in a Seismic Area", *Romanian Journal of Physics*, Vol. 69, Issue 709, 2017.

Co-Authors : V-E Toader, IA Moldovan, A Marmureanu, R Partheniu, E Nastase

Prof. Amar Kumar Das, MIE

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



Title of Paper: "Pure Bio Gas Generated from MSW- A Sustainable Alternative fuel for Cooking", *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 6, Issue 8, August 2017,

[DOI:10.15680/IJIRSET.2016.0608282]

Mr. Revati Raman, AMIE

Satluj Jal Vidyut Nigam Limited, (A Joint Venture of Govt. of India and Government of Himachal Pradesh), Corporate Civil Design Department, Design U.K. Projects, Shanan, Shimla, Himachal Pradesh

Title of Paper: "Importance of Seismic Aspects for Underground Structures in Hydro Power Projects in Himalayas", *Proceedings of International Conference on Engineering Geological Solutions on Sustainable Development*, organised by Indian Society of Engineering Geology, New Delhi on October 07-08, 2017.

Co-author: Jaswant Singh Kapoor



Dr. Mahendra Pratap Choudhary, FIE

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



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

Title of Paper : "Evaluation of Noise Levels and Ascertaining Noise Indices in an Urbanizing City of Kota, Rajasthan, India", *Nature Environment and Pollution Technology (An International Open Access Journal)*, Vol. 16, Issue 3, pp. 935-938, September 2017.

Co-author: Bane Singh

Publications

by Members

Dr. K. Balachander, MIE

Associate Professor, Department of Electronics & Electrical Engineering, Faculty of Engineering, Karpagam University, Coimbatore.



Title of Paper : "Estimation of Electrical Parameter using Fuzzy Logic Controller based Induction Motor", *International Journal of Control Theory and Applications* Vol. 10, Issue 38, 2017, pp. 205-212.

Co-author(s) : R. Ravichandran, A. Amudha, M. Siva Ramkumar, S. Kuppusamy

Title of Paper : "Modified Interleaved Digital Power Factor Correction based on the Sliding-Mode Approach", *International Journal of Control Theory and Applications*, Vol.10, Issue 38, 2017, pp. 225-235.

Co-author(s) : R. Yuvaraj, A. Amudha, S. Kuppusamy, M. Siva Ramkumar

Mr. Balbir Singh, AMIE

Associate Professor, ABES Institute of Technology Ghaziabad

Title of Paper : "Ultrasonic-assisted optimization of biodiesel production from Karabi oil using heterogeneous catalyst", *Biofuels*. [<http://www.tandfonline.com/loi/tbfu20>, December 09, 2016]

Co-author(s) : Ashok Kumar Yadava, Mohd Emran Khanb and Amit Pal

Title of Paper : "Waste Cooking Oil (WCO) Biodiesel Production Using Calcined Chalk as Heterogeneous Catalyst", *Proceedings of International Conference, Bhopal, February 23-25, 2016. [Springer ISSN 2352-2534]*

Co-author(s) : Amit Pal and Shashank Mohan

Title of Paper: "Catalysts used in Biodiesel Production", *Proceedings of International Conference on Recent Advances in Mechanical Engineering, Department of Mechanical, Automobile and Production & Industrial Engineering, Delhi Technological University, Delhi 42 October 14-15, 2016.*

Co-author(s) : Amit Pal



Prof. A. Amudha, MIE

Head, Department of Electrical and Electronics Engineering, Faculty of Engineering, Karpagam University, Coimbatore, Tamilnadu



Title of Paper : "Electric Vehicle Battery Charging Station using Dual Converter Control", *International Journal of Control Theory and Applications*, Vol. 10, Issue 38, September 2017, pp. 195-203.

Co-author(s) : K. R. Jeyakrishna, K. Balachande and M. Sivaram Kumar

Title of Paper : "MPPT Control Algorithm for Grid Integration of Variable Speed Wind Energy Conversion System", *International Journal of Control Theory and Applications* Vol.10, Issue 38, September 2017, pp. 237-246.

Co-author(s) : V. Chandra Prabha, K. Balachander, And M. Sivaram Kumar

Dr S. Ramesh, FIE

Head of Department - Mechanical Engineering, KCG College of Technology, Karapakkam, Chennai

Title of Paper : "Multi Response Optimization of Mechanical Properties in Self-healing Glass Fiber Reinforced Plastic using Grey Relational Analysis" *International Journal of Measurement (Elsevier)*, Vol. 110, July 2017, pp 344-355, DoI: 10.1016/j.measurement.2017.07.013.

Title of Paper : "Experimental Investigation and Multiresponse Genetic Optimization of Drilling Parameters for Self-healing GFRP", *Journal of Mechanical Science and Technology (Springer)*, Vol. 31, Issue 8, pp 3777-3785, 2017.

[DoI: 10.1007/s12206-017-0721-0]

Title of Paper : "Temperature Measurement and Optimisation in Machining Magnesium Alloy using RSM and ANOVA", *Pertanika J. Sci. & Technol.* Vol. 25, Issue 1, pp 255-262, 2017. [Universiti Putra Malaysia Press]



Publications by Members

Dr. Howa Begam, AMIE

Department of Biomedical Engineering, National Institute of Technology Raipur, Chhattisgarh



Title of Paper : "Effect of Bone Morphogenetic Protein on Zn-HAp and Zn-HAp/collagen Composite: A Systematic in Vivo Study", *Research in Veterinary Science*, Vol. 115, 2017 pp. 1-9.

Co-author(s) : Samit Kumar Nandi, Abhijit Chanda, Biswanath Kundu

Title of Paper : "MG63 Osteoblast Cell Response on Zn Doped HAp with Various Surface Features", *Ceramics International*, Vol. 43, 2017, pp. 3752-3760.

Co-author(s) : Biswanath Kundu, Abhijit Chanda, Samit Kumar Nandi

Title of Paper : "Strategies for Delivering Bone Morphogenetic Protein for Bone Healing", *Materials Science and Engineering*, Vol. 70, 2017, pp. 856-869.

Co-author(s) : Samit Kumar Nandi, Biswanath Kundu, Abhijit Chanda

Dr. P. S. Ambily, MIE

Senior Scientist, CSIR-Structural Engineering Research Centre, Taramani, Chennai



Title of Paper : "Experimental Investigation on High Volume Fly Ash based Autoclaved Aerated Concrete Reinforced with Synthetic Fibers", *Journal of Structural Engineering*, Vol.44, Issue 2, June-July 2017, pp.158-169.

Co-author(s) : B.Vijay Antony Raj, Umarani Gunasekaran

Title of Paper : "Chemical Admixtures Effect on Properties of Self Compacting Concrete", *Proceedings of All India Seminar on use of Admixtures and Construction Chemicals in Current Construction Industry during August 10-11, 2017*, pp. 94-102.

Title of Paper : "An Experimental Investigation on Elevated Temperature Effect in Geopolymer Concrete", *Proceedings of the International Conference on Applied Sciences and Technology*, pp.146-153, 2017.

Co-author(s) : Sinduja M, Sakthieswaran N

Dr. K. Lokesh Krishna, MIE

Department of Electronics & Communication Engineering, Sri Venkateswara College of Engineering & Technology, R. V. S. Nagar, Chittoor



Title of Paper : "Design and Implementation of a High Speed Low Power Flash ADC", *International Journal of Applied Engineering Research*, Vol.12, Issue 1, pp. 17-22, 2017.

Co-authors: D.Srihari

Title of Paper : "Implementation of a Wireless Mobile Robot for Intelligent Farming", *Pakistan Journal of Biotechnology*, (Special Issue-2: May 2017). Vol14, pp. 50-54, 2017.

Co-authors: Y. N. Vijaya Kumar and S.Theivachandran

Mr. Mahesh Kumar Jalagam, AMIE

Assistant Professor, Department of Electronics & Communication Engineering, Indo-American Institution Technical Campus, Visakhapatnam



Title of Paper : "Real Time Patient Health Monitoring System using IoT", *International Journal & Magazine of Engineering, Technology, Management & Research*, Vol. 4, Issue 4, April 2017, pp 215-221.

Co-authors: Y. N. Vijaya Kumar and S.Theivachandran

Mr. Anurag Swain, FIE

Senior Deputy General Manager(Electrical & Instrumentation); Department and Electrical & Instrumentation; Head, Department & Solar Business, My Home Power Consultancy Pvt.Ltd, Hyderabad



Title of Paper : "Solar Energy Generation Potential on National Highways", *International Research Journal of Engineering and Technology*, Vol. 4, Issue 9, Sep 2017.

Publications by Members

Ms. Anita N. Borade, MIE

Research Scholar, Applied Mechanics Department, S. V. National Institute of Technology, Surat, Gujarat

Title of Paper : "Effect of Inhibitor and Slag Blended with Cement on Corrosion of Reinforcement", Proceedings of International Conference "CORROSION 2017", organised by NACE International at New Conventional Centre, New Orleans, USA, during March 25-30, 2017.



Mr. Sivasankara Raju R, AMIE

Assistant Professor, Department of Mechanical Engg. Gandhi Institute of Engineering and Technology, Gunupur, Odisha 765022

Title of Paper : "Investigation of Tribological Behaviour of a Novel Hybrid Composite Prepared With Al-Coconut Shell Ash Mixed With Graphite", *Metallurgical and Materials Transactions A*, vol. 48, Issue 8, 2017, pp.3892–3903.



[DOI: 10.1007/s11661-017-4139-1]

Title of Paper : "Assessment of Tribological Performance of Coconut Shell Ash Particle Reinforced Al-Si-Fe Composites using Grey-Fuzzy Approach", *Tribology in Industry*, vol. 39, Issue 3 (2017) pp. 364-377. (Publisher: Journal of the Serbian Tribology Society).

[DOI: 10.24874/ti.2017.39.03.12]

Title of Paper : "Estimation of Tribological Performance of Al-MMC Reinforced with a Novel In-Situ Ternary Mixture", *Indian Journal of Science and Technology*, vol. 10, Issue 15, April 2017, pp 1-9.

[DOI: 10.17485/ijst/2017/v10i15/113825]



Mr. Suresh Vishwakarma, MIE
Senior Engineer, Vancouver, Canada

Title of Paper : "Training for Development of Frontline Managers – A Critical Issue and Challenge before Indian Power Companies", *Aston India Centre for Applied Research Inaugural Conference*, Aston University, Birmingham UK, Aston University, Birmingham UK, September 15-16, 2017.

Prof. S. Karthikeyan, FIE

Head, Department of Mechanical Engineering, Syed Ammal Engineering College, Ramanathapuram, Tamilnadu

Title of Paper : "Microalgae Biofuel with CeO₂ nano Additives as an Eco-friendly Fuel for CI Engine", *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, Vol. 39, Issue 13, pp. 1332-1338, 2017.



Title of Paper : "Neochloris-
Leobundans Microalgae Oil as a Fuel for Diesel Engines", *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, Vol. 39, Issue 06, pp. 606-612, 2017.

Title of Paper : "Environmental Effect of CI Engine using Microalgae Methyl

Ester with Doped Nano Additives", *Transportation Research Part D*, Vol. 50, pp. 385–396, 2017.

Co-author : Prathima, A

Mr. Gururaj Hatti, AMIE

Assistant Professor, Department of Mechanical Engineering Karnataka Law Society's Vishwanathrao Deshpande Rural Institute of Technology, Haliyal, Karnataka

Title of Paper : "Influence of Various Filler Materials on Mechanical Characteristics of Epoxy Glass Composites", *American Journal of Materials Science* 2017, Vol. 7, Issue, 4: pp. 99-101.

[DOI: 10.5923/j.materials.20170704.06]



Dr. Pushan Kumar Dutta, MIE

Assistant Professor and Research Coordinator, Department of Electronic & Communication Engineering, RGM College of Engineering and Technology, Kurnool, Andhra Pradesh

Title of Paper : "Sensor based Solar Tracker System using Electronic Circuits for Moisture Detection and Auto-irrigation", *Proceedings of International Conference on Power, Control, Signals and Instrumentation Engineering in Saveetha Engineering College, Chennai*, September 21-22, 2017.



Co-author : K Mallikarjuna and Dr A Satish

Publications by Members

Prof. K. V. Ramesh, FIE

Department of Chemical Engineering, Andhra University, Visakhapatnam, Andhra Pradesh

Title of Paper : "Wall-to-bed Mass Transfer in Three-phase Fluidized Beds in the Presence of Angled Disc Promoter", *Heat and Mass Transfer*, Vol. 53, Issue 10, pp. 3129-3140, 2017.



Co-authors: P. Rohini Kumar, K. Ashok Kumar, M. S. N. Murty.

Title of Paper: "Effect of Temperature on the Viscosities of Mixed Micellar Solutions", *AIP Conference Proceedings*, Vol. 1859, pp. 020018, 2017.

Co-authors: C. Durga Prasad, D. Sudheer Kumar, G.V.S. Sarma.

Title of Paper: "Phase Holdups in a Three-phase Fluidized Bed in the Presence of Coaxially Placed String of Spheres Internal", *IOP Conference Series: Materials Science and Engineering*, Vol. 225, 012210, 2017.

Co-authors: P. Rohini Kumar, P. Venkateswarlu.

Prof. Rupa Ch, MIE

Department of Computer Science and Engineering, V R Siddhartha Engineering College, Vijayawada

Title of Paper : "Significance of Cyber Security in Digital World", *Published in Marching towards Digital World, IETE*, pp.32-36, September 2017, ISBN: 81-9038953-X.



Miss Damyanti G Badagha, AMIE

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



Title of Paper : "M55 Grade Concrete Using Industrial Waste To Minimize Cement Content Incorporating CO₂ Emission Concept: An Experimental Investigation", *International Journal for Materials Today: Proceedings*, October 27, 2017, pp 9768-9772.

[DOI doi.org/10.1016/j.matpr.2017.06.264]

Co-author(s) Name: C. D. Modhera

Mr. Shivareddy N, AMIE

Principal, Sri Siddhartha Polytechnic, Bangarpet, Kolar, Karnataka

Title of Paper : "Cascading of Two QPSK Modulators for Improving Bandwidth & Gain", *Journal Name : International Journal of Society and Innovative Engineering and Technology*, Vol. 1 May 2017.



Mr. Harnam Singh Farwaha, AMIE

Assistant Professor, Department of Mechanical Engineering, Guru Nanak Dev Engineering College, Gill Park, Ludhiana



Title of Paper : "Regression Model and Optimization of Magnetic Abrasive Finishing of Flat Brass Plate", *Indian Journal of Science and Technology*, Vol 10, Issue 31.

[DOI: 10.17485/ijst/2017/v10i31/113860]

Mr. S. A. Rizvi, MIE

Workshop Superintendent, University Polytechnic, Jamia Milia Islamia, New Delhi

Title of Paper : "Effect of Different Welding Parameters on the Mechanical and Microstructural Properties of SS 304H Welded Joints", *International Journal of Engineering (SCOPUS Indexed Journal) Vol 30, Issue 10, 2017, 1510-1516, October 2017.*

Co-author : SPTiwari



Mr. Balakrishnan Nair, FIE

Specialist Member, International Institution of Risk and Safety Management (U.K.)



Title of Paper : "Supply Chain Risk Management", *International Seminar held in Trivandrum, Kerala during December 23-24, 2016. IIIE-CET-GECWYD-POMS (USA) 4th International Conference in Supply Chain Management (BPSCM2016).*

Publications

by Members

Mr. A. Muthu Manokar, AMIE

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

Title of Paper : “Experimental Analysis of Single Basin Single Slope Finned Acrylic Solar Still”, *Elsevier Materials Today: Proceedings (Scopus Indexed journal)* Vol. 4, pp 7234–7239, 2017. <https://authors.elsevier.com/a/1VvEg7tbNa5vjI>

Co-author : D. Prince Winston



Title of Paper : “Comparative Study of Finned Acrylic Solar Still and Galvanised Iron Solar Still”, *Elsevier Materials Today: Proceedings (Scopus Indexed journal)* Vol. 4, pp. 8323–8327, 2017. <https://authors.elsevier.com/a/1VvEh7tbNa5w2a>

Co-author : D. Prince Winston

Title of Paper : “Design and Analysis of Solar Still”, *Elsevier Materials Today: Proceedings (Scopus Indexed journal)* Volume 4, pp. 9179–9185, 2017. <https://authors.elsevier.com/a/1VvEi7tbNa5wII>

Co-author : S.Varunraj

B. Kesava Rao, AMIE

Research Scholar, Department of Civil Engg, N.I.T.K.Surathkal

Title of Paper : “Fracture Characterization of Composite using High Dimensional Model Representation based Cohesive Zone Model”. *International Conference on Theoretical, Applied, Computational and Experimental Mechanics-2017, IITKharagpur, December 28-30, 2017.*



Title of paper : “Modelling of Delamination Growth in Composite using High Dimensional Model Representation based Cohesive Zone Model”, *International Conference on Composite Materials and Structures-2017, IIT Hyderabad, December 27-29, 2017.*

Dr. Kush Mehta, AMIE

Assistant Professor, Department of Mechanical Engineering, School of Technology, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat



Title of Paper : “Nano-Machining, Nano-Joining and Nano-Welding”, Chapter No: 4, Published in book of “*Micro and Precision Manufacturing*”, Springer International Publishing AG.

[DOI: 10.1007/978-3-319-68801-5_4]

Co-author : Munish Gupta and Priyanranjan Sharma

Prof. Vijayan Gurumurthy Iyer, FIE

Professor (Environmental Engineering) , Department of Civil Engg., Nasaraopeta Engineering College(Autonomous) , (Affiliated to Jawaharlal Nehru Technological University), Narasaraopeta, Andhra Pradesh

Title of Paper : “Design and Development of Sustainable Wastewater Treatment Plant for Sustainable Development Management of Wastewater in Context to Indian”, *4th Global Conference on Business, Economics, Management and Tourism (BEMTUR-2016) at Hammamet, Tunisia during November 24-26, 2016 organized by Academic World Education and Research Center.*



Title of Paper : “Environmental Health Impact Assessment(Ehia) Process Towards Environmental Healthy for Everyone”, *4th Global Conference on Business, Economics, Management and Tourism (BEMTUR-2016) at Hammamet, Tunisia during November 24-26, 2016 organized by Academic World Education and Research Center.*

Title of Paper : “Strategic Environmental Assessment (SEA) Process Towards Sustainable Construction Management Development for the Construction Industries to Achieve Business Excellence”, *4th Global Conference on Business, Economics, Management and Tourism (BEMTUR-2016) at Hammamet, Tunisia during November 24-26, 2016 organized by Academic World Education and Research Center.*

Publications

by Members

Dr. Anirban Sur, AMIE

Associate Professor, Mechanical Engineering Department, Symbiosis Institute of Technology, Symbiosis International University, Pune, Maharashtra

Title of Paper : “An Overview of Modelling Techniques Employed for Performance Simulation of Low-grade Heat Operated Adsorption Cooling Systems”, *Renewable and Sustainable Energy Reviews*, Vol. 74, pp. 364–376, 2017.

Co-author(s) : R K Das, R Sah



Title of Paper : “Development of Equilibrium and Dynamic Models for an Adsorption Refrigeration System”, *Journal of Environment and Biotechnology Research*, Vol. 6, Issue 1, pp 64-81, 2017.

Co-author(s) : R K Das

Ms. Venna Mythilee Priyanka, AMIE

Department of Civil Engineering, Andhra University, Visakhapatnam, Andhra Pradesh

Title of Paper : “Effect of Haunched Beams in Moment Resisting RC Frames”, *International Journal of Civil Engineering and Technology*, Vol. 8, Issue 9, September 2017, pp. 1187–1199.



Mr. M. M. Gowthul Alam, MIE

Associate Professor and Head, Department of Computer Science and Engineering, National College of Engineering, Tirunelveli, Tamilnadu



Title of Paper : “Reformulated Query-based Document Retrieval using Optimized Kernel Fuzzy Elustering Algorithm”, *International Journal of Business Intelligence and Data Mining*, Vol. 12, Issue 3, pp. 299-318, 2017.

Co-author : S. Baulkani

Title of Paper: “A Hybrid Approach for Web Document Clustering using K-means and Artificial Bee Colony Algorithm”, *International Journal of Intelligent Engineering and Systems*, Vol. 9, Issue 4, pp. 11-20, 2017.

Co-author : S. Baulkani

Mr. Mahesh Kumar Jalagam, AMIE

Assistant Professor, Department of Electronics & Communication Engineering, Indo-American Institutions Technical Campus, Visakhapatnam, Andhra Pradesh



Title of Paper : “Real Time Patient Health Monitoring System using IoT”, *International Journal & Magazine of Engineering Technology, Management and Research*, Vol. 4, Issue 4, pp. 215-221, April 2017.



Mr. Rakesh Patil, AMIE

Senior Engineer, Structural Analyst, Larsen and Toubro Technology Services

Title of Paper : “Thermo-structural Fatigue Analysis of Shell and Tube Type Heat Exchanger”, *Elsevier, International Journal of Pressure Vessel and Piping*, Vol. 155, pp. 35-42, 2017.

Co-author : Soham Anand

Mr Arvinder Bali, MIE

Assistant Vice President – Sales & Business Development, Sumeru Verde Technologies Pvt. Ltd., A-51, Sector 67, Noida



Title of Paper : “Smart Grid for Smart J&K”, *Published in State Times and Daily Excelsior on October 21, 2017.*

Mr. Sivasubramanyam Medasani, AMIE

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



Title of Paper : “Analysis and Evaluation of Speckle Filters for Polarimetric Synthetic Aperture Radar (PolSAR) Data”, *International Journal of Applied Engineering Research*, Vol.12, Issue15, 2017.

Co-author : G. Umamaheswara Reddy

Programme by our Institutional Member

Saveetha Engineering College, Chennai

Conducted Two days Faculty Development Programme on "Engineering Graphics" by the Department of Mechanical Engineering, Chennai during August 2017.



Karunya University, Coimbatore

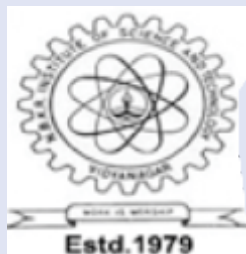
Conducted Awareness Programme in "Digital India Campaign" on September 22, 2017



Conducted Workshop on "Block Chain Technology – Global Health" during October 4-6, 2017.



Welcome to IEI New Institutional Members



**N B K R Institute of Science
& Technology (Autonomous)**
Nellore, Andhra Pradesh



**M V S R Engineering
College**
Hyderabad, Telangana



**Kamraj College of
Engineering & Technology**
Madurai, Tamilnadu



**Dr Vithalrao Vikhe Patil
College of Engineering
Ahmednagar**
Ahmednagar, Maharashtra



**C S M S S Chhatrapati Shahu
College of Engineering**
Aurangabad, Maharashtra



**National Institute of
Technology Manipur**
Imphal, Manipur

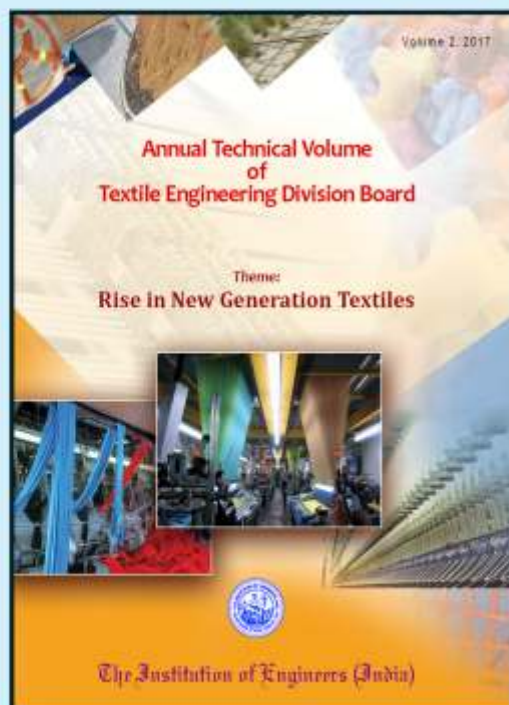


**Indian Institute of
Technology Palakkad**
Palakkad, Kerala

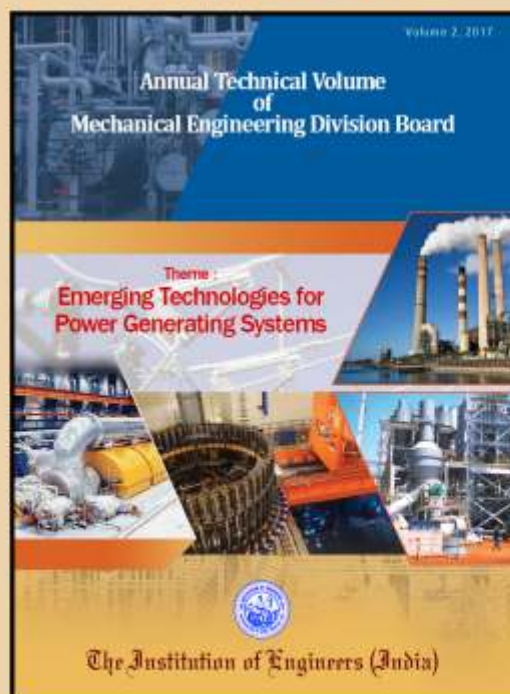
Annual Technical Volumes of IEI are now available online

Textile Engineering Division Board

Theme: "Rise in New Generation Textiles"

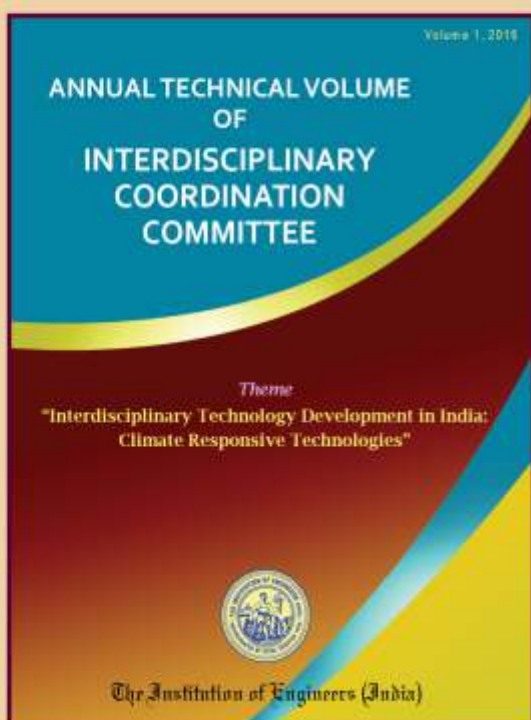


Mechanical Engineering Division Board



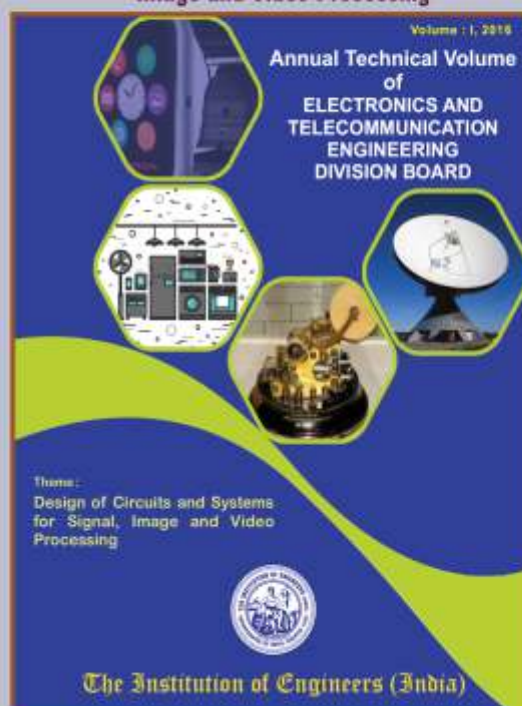
Interdisciplinary Coordination Committee

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
Agriculture	Engineering Innovations in Agriculture	30/11/2017	agdb@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	elddb@ieindia.org
Electronics & Telecom.	Recent Trends in Mechatronics for Sustainable Development in Engineering Applications	30/11/2017	etdb@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

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

newsletter@ieindia.org

in the following format

For Journal Publication: Title of the Paper/s, Full name of the Journal, Vol no.,
Issue no., year of publication, pp and DOI (if available), Co-author/s (if any)

For Conference Publication: Title of the Paper/s, Full name of the Conference,
year of publication, pp and DOI (if available), Co-author/s (if any)

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.) Lelitha 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 Roorke



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

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



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

SCOPUS INDEXED

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: 2250-2122
ISSN Online: 2250-2130

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



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

Thank you very much for including my publication in IEI Epitome of September 2017. It is really appreciable and attractive for the Corporate Members to place in your reputed IEI Epitome.

Dr. Jitendra Kumar, MIE

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

Being a very ardent supporter of activities of IEI Chapters, I feel privileged and grateful to be a Fellow of the Institution and that paved me the way for getting me an opportunity to get into Petroleum Development Oman projects, Oman in 1995 where one of the primary requirements was an affiliation with any professional institution. IEI Epitome is superb in its variety of member contributions and also in the openness of the institution for enlightening the avenues for technical presentations at various centres. Congratulations to all the team members and keep up the good quality of service professionally.

Mr. Balakrishnan Nair, FIE

Specialist Member, International Institution of Risk and Safety Management (U.K.)
Technical Member, Institution of Occupational Safety and Health (U.K.)

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 Navinchandra B Vasoya

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, Ms H Roy,
Mr P Chakraborty, Mr S Bagchi

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

E-mail: newsletter@ieindia.org

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