



3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
2016-17										
1	Dr.Punal M.Arabī , Gayatri Joshi, Surekha Nigudgi	Lecture notes in Electric Engineering	Accuracy analysis of machine vision for detection of malignant melanoma using pixel intensity matrix parameters	Advances in Systems, Control and Automation	International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy	International	2016	ISBN: 978- 981-10-4762-6	ACS College of Engineering	Springer
2	Dr.Punal M.Arabī ,Nanditha Krishna	Lecture notes in Electric Engineering	Diagnosis of ground glass opacity in HRCT lung images using high intensity pixels	Advances in Systems, Control and Automation	International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy	International	2016	ISBN: 978- 981-10-4762-6	ACS College of Engineering	Springer
3	Dr.Punal M.Arabī , Gayatri Joshi	Communication s in Computer and Information Science	Automatic Screening Method for Bone Health Diagnosis	Smart and Innovative Trends in Next Generation Computing Technologies	NGCT: International Conference on Next Generation Computing Technologies	International	2017	ISBN: 978- 981-10-8660-1	ACS College of Engineering	Springer

4	Dr.C.S.Pillai	Advanced Computer Architecture	Advanced Computer Architecture	NA	NA	National	2017	ISBN: 978-93-86176-64-6	ACS College of Engineering	Nova Science Publishers, Inc.
5	Dr.C.S.Pillai	Java and J2EE	Java and J2EE	NA	NA	National	2017	ISBN: 978-93-86176-61-5	ACS College of Engineering	Nova Science Publishers, Inc.
6	Dr.C.S.Pillai	Software Engineering	Software Engineering	NA	NA	National	2017	ISBN: 978-93-86176-62-2	ACS College of Engineering	Nova Science Publishers, Inc.
7	Dr.C.S.Pillai	Embedded Computing System	Embedded Computing System	NA	NA	National	2017	ISBN: 978-93-86176-59-2	ACS College of Engineering	Nova Science Publishers, Inc.
8	Dr.C.S.Pillai	Information and Network Security	Information and Network Security	NA	NA	National	2017	ISBN:978-93-86176-60-8	ACS College of Engineering	Nova Science Publishers, Inc.
9	Dr.Punal M.Arabi ,Sureka Nigudgi	Communications in Computer and Information Science	Feasibility study of NIR, DSLR imaging techniques for automatic diabetic foot screening	Smart and Innovative Trends in Next Generation Computing Technologies	NGCT: International Conference on Next Generation Computing Technologies	International	2017	ISBN: 978-981-10-8660-1	ACS College of Engineering	Springer

10	Dr.Punal M Arabi	NA	Computer vision for diagnosis of malignant melanoma by pixel intensity matrix parameters	Proceedings of the 10th International Conference on Intelligent Systems and Control	Proceedings of the 10th International Conference on Intelligent Systems and Control	International	2016	ISBN: 9781467378079	ACS College of Engineering	springer
11	Dr.Punal M Arabi	NA	Statistical analysis of lung CT images for ground glass diagnosis	Proceeding of IEEE - 2nd International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics	Proceeding of IEEE - 2nd International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics	International	2016	ISBN: 9781467397452	ACS College of Engineering	IEEE
12	Dr.Punal M Arabi	NA	Identification of ground glass structure in lung CT images by computer aided diagnosis technique	Proceedings of the 10th International Conference on Intelligent Systems and Control	Proceedings of the 10th International Conference on Intelligent Systems and Control	International	2016	ISBN: 9781467378079	ACS College of Engineering	Springer

13	Dr.Punal M Arabi	NA	Identifying honeycombing structure in HRCT lung images by high intensity pixel pattern	Proceeding of IEEE - 2nd International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics, IEEE - AEEICB 2016	Proceeding of IEEE - 2nd International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics, IEEE - AEEICB 2016	International	2016	ISBN: 978146739745 2	ACS College of Engineering	IEEE
14	Dr. Selvanandan	NA	Structural and magnetic study on Mg _{0.3} Zn _{0.7} Ni _x Fe _{2-x} O ₄ ferrite system synthesized by sol-gel method	Materials Today: Proceedings	Materials Today: Proceedings	International	2016	ISSN 2214-7853.	ACS College of Engineering	Elsevier
15	Dr. Selvanandan	NA	Structural and Magnetic study on Al substituted MgZn mixed ferrite powders prepared by Sol-Gel method	Materials Today: Proceedings	Materials Today: Proceedings	International	2016	ISSN 2214-7853.	ACS College of Engineering	Elsevier

16	Punal M Arabi	NA	Machine vision for screening of age-related macular degeneration using fundus images	IEEE explore	IEEE explore	International	2017	978-1-5090-3039-2	ACS College of Engineering	IEEE
17	Punal. M. Arabi	NA	A Comparison Of Oct And Retinal Fundus Images For Age-Related Macular Degeneration	IEEE explore	IEEE explore	International	2017	978-1-5090-3039-2	ACS College of Engineering	IEEE
18	Narendra, U.P.a , Pradeep, B.S.b , Prabhakar, M.c	NA	Externalization of tacit knowledge in a knowledge management system using chat bots	2017 3rd International Conference on Science in Information Technology: Theory and Application of IT for Education, Industry and Society in Big Data Era, ICSITech 2017	2017 3rd International Conference on Science in Information Technology: Theory and Application of IT for Education, Industry and Society in Big Data Era, ICSITech 2017	International	2017	ISBN: 9781509058662	ACS College of Engineering	IEEE

19	Dr T Senthil Kumaran	NA	Secure online examination by using graphical own image password scheme	2017 IEEE International Conference on Smart Technologies and Management for Computing, Communication, Controls, Energy and Materials	2017 IEEE International Conference on Smart Technologies and Management for Computing, Communication, Controls, Energy and Materials	International	2017	ISBN: 9781509059058	ACS College of Engineering	IEEE
20	Dr. Mathivanan M	NA	A detailed survey on large vocabulary continuous speech recognition techniques	2017 International Conference on Computer Communication and Informatics, ICCCI 2017	2017 International Conference on Computer Communication and Informatics, ICCCI 2017	International	2017	ISBN: 9781467388542	ACS College of Engineering	IEEE
21	Dr. Suresh P. M.	NA	“Finite element and experimental modal analysis of car roof with and without damper”	Science direct materials today: proceedings 4	Science direct materials today: proceedings 4	International	2017	ISSN: 22147853	ACS College of Engineering	Elsevier

22	Dr. Suresh P. M.	NA	“Evaluation of mechanical properties of jute/e-glass epoxy hybrid composites by varying fibre loading with and without shear thickening fluid”	Science direct materials today: proceedings 4	Science direct materials today: proceedings 4	International	2017	ISSN: 22147853	ACS College of Engineering	Elsevier
23	Anannd Kumar, S	NA	Microstructure, hardness and wear behavior of AZ31 Mg alloy - Fly ash composites produced by friction stir processing	Materials Today: Proceedings	Materials Today: Proceedings	International	2017	ISSN: 22147853	ACS College of Engineering	Elsevier
24	Dr. M.S. Shivakumar	NA	Facile Synthesis and Characterization of MnO ₂ /Graphene/Multi Walled Carbon Nanotube Nanostructured Ternary Composite: An Advance Material for Environmental and Biological Applications	Materials Today: Proceedings	Materials Today: Proceedings	International	2017	ISSN 2214-7853.	ACS College of Engineering	Elsevier

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1	Nanditha Krishna, Hemanth Kumar G	Communications in Computer and Information Science	Feature extraction and classification of X-ray lung images using haralick texture features	Smart and Innovative Trends in Next Generation Computing Technologies	NGCT: International Conference on Next Generation Computing Technologies	International	2017	ISBN: 978-981-10-8660-1	ACS College of Engineering	Springer
2	Dr.Bhuvaneshwari H B	Lecture Notes in Electrical Engineering	Smart controlling of appliances in power-line communication using LabVIEW	Advances in Power Systems and Energy Management	International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy	International	2017	ISBN 978-981-10-4394-9	ACS College of Engineering	Springer Nature
3	Anand Kumar, S	Biocomposites: Properties, Performance and Applications,	The development of bio-sandwich structures with brazilian curaua fiber/polyester as face and pvc as core for anti-frictional applications	NA	NA	International	2017	ISBN: 9781536121452; 9781536121209	ACS College of Engineering	Nova Science Publishers, Inc.
4	Dr. V Mareeswari	AIP Conference Proceedings	Smart device for ensuring women safety using android app	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP

5	Dr Anitha.S	AIP Conference Proceeding	EEG wave based identification of sleep disorders	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
6	Dr Punal M Arabi	AIP Conference Proceedings	Early detection and characterization of Alzheimer's using medical image analysis	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
7	Dr Anitha.S	AIP Conference Proceedings	Red laser blood glucose monitoring device	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP

8	Dr Anitha.S	AIP Conference Proceedings	A novel method to filter and enhance low quality CT images of normal lungs	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
9	Dr.Punal M Arabi	AIP Conference Proceeding	Detection of Crohn's disease through capsule endoscopy by image processing	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
10	Dr.Punal M Arabi	AIP Conference Proceeding	Feature identification for computer aided diagnosis of liver cirrhosis	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP

11	Prof Pranab Das	Geopolymer Science and Applications	Utilization of iron ore mines waste as civil construction material through geopolymer reactions	Geopolymers and Other Geosynthetics	NA	International	2018	ISBN: 978-1-78985-540-1	ACS College of Engineering	Springer
12	Raju K	AIP Conference Proceeding	Application of hybrid AI techniques for wind speed modeling in the Arabian Sea	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
13	Dr. V Mareeswari	AIP Conference Proceedings	Implementation of repair tree algorithm for fast repair in distributed storage system	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP

14	Mrs.Kavita K Patil	AIP Conference Proceedings	An energy efficient broadcasting in mobile WSN	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
15	Ananda, M.H	AIP Conference Proceedings	Solid state fault current limiter (SSFCL) in power system-A case study	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
16	Saravanan. N	AIP Conference Proceedings	Study and analysis of power line communication	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP

17	Eswaramoorthy, M.b	AIP Conference Proceedings	Experimental study on heat transfer characteristic of hexagonal perforations in square fin	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
18	Eswaramoorthy, M.b	AIP Conference Proceeding	Finite element analysis on thermal performance of thermal barrier coatings	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
19	Subramaniyam, R.S	AIP Conference Proceeding	Gear ratio calculation and comparison between sports utility vehicle (SUV's) and race application	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP

20	Eswaramoorthy, M	AIP Conference Proceeding	Experimental study on multifunctional biomass cooking stove	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
21	Dr. Suresh P. M.	AIP Conference Proceedings	Experimental and FE analysis of floor pan of a car without and with incorporating viscoelastic damping	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
22	Eswaramoorthy, M	AIP Conference Proceeding	Comparative CFD analysis on heat transfer coefficient of circular & non circular duct	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP

23	Dr. Suresh P. M.	AIP Conference Proceeding	A critical evaluation of indentation techniques for measuring the hardness vs toughness: A review	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
24	Dr.Mukesh R	AIP Conference Proceeding	Comparison of total electron content of IRNSS with IRI and GPS-TEC at equatorial latitude station	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
25	Raju K	AIP Conference Proceedings	Review on remote sensing and GIS for lake management	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP

26	Venkatesh Babu	AIP Conference Proceedings	Effect and influence of fly ash and GGBS on properties of ambient cured self-compacting geopolymer concrete for in situ applications	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
27	Dr T Senthil Kumaran	AIP Conference Proceeding	Novel approach for mitigation of collision in mobile ad-hoc networks	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
28	Dr T Senthil Kumaran	AIP Conference Proceeding	Coin recognition using texture feature based on SPLM and SGLDM algorithm	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP

29	Dr. Mathivanan M	AIP Conference Proceedings	Performance evaluation of white noise for different noisy speech signal in mobile applications	International Conference on Sustainable Engineering and Technology(I	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
30	Punal. M. Arabi	NA	Investigations on diabetic foot impairment using NIR images and thermoregulatory behavior	8th International Conference on Computing, Communications and	ICCCNT 2018	International	2017	ISBN: 9781509030385	ACS College of Engineering	IEEE
31	Punal. M. Arabi	NA	Categorizing healthy, osteopenic and osteoporotic bones by white pixel calculation	8th International Conference on Computing, Communications and Networking Technologies, ICCCNT 2017	ICCCNT 2017	International	2017	ISBN: 9781509030385	ACS College of Engineering	IEEE

32	Dr.Senthil Kumaran T	NA	Secure online examination by using graphical own image password scheme	IEEE International Conference on Smart Technologies and Management for Computing, Communication	IEEE International Conference on Smart Technologies and Management	International	2017	ISBN: 9781509059058	ACS College of Engineering	IEEE
33	B.C. Kumar Raju, Lakshman Nandagiri	NA	Assessing Uncertainty of Variable Source Ares, Hydrological Model in Harangi Watersher, Karnataka State India	Proceedings of the 37th IAHR World Congress	IAHR	International	2017	2521-716X	ACS College of Engineering	Google Scholar
34	Sivakumar, D	NA	Effort estimation of software projects with optimized coefficients using soft computing technique	2017 Conference on Emerging Devices and Smart Systems, ICEDSS 2017	ICEDSS	International	2017	ISBN: 9781509055555	ACS College of Engineering	IEEE
35	Krishna Kumar A	NA	An improvised grid resource allocation and classification through regression	2017 Conference on Emerging Devices and Smart Systems	2017 Conference on Emerging Devices and Smart Systems	International	2017	ISBN: 9781509055555	ACS College of Engineering	IEEE

36	Dr. Mathivanan M	NA	Parametrical variation and its effects on characteristics of microstrip rectangular patch antenna	Proceedings of the 2017 2nd IEEE International Conference on Electrical, Computer and Communication Technologies, ICECCT 2017	ICECCT 2017	International	2017	ISBN: 9781509032389	ACS College of Engineering	IEEE
37	Dr. M.S. Shivakumar	NA	One Step Synthesis of Ternary Composite of GNS/CNT/MnO ₂ for the Applications of Electrochemical and Photocatalytic Studies	Materials Today: Proceedings	Materials Today: Proceedings	International	2017	ISSN: 22147853	ACS College of Engineering	Elsevier
38	Dr. M.S. Shivakumar	NA	Decoration of Copper Nanoparticles on Multiwalled Carbon Nanotubes and the Study of Electrochemical Activity for Methanol Oxidation	Materials Today: Proceedings	Materials Today: Proceedings	International	2017	ISSN: 22147853	ACS College of Engineering	Elsevier

39	Venkatesh, T	NA	Facile Synthesis and Characterization of MnO ₂ /Graphene/Multi Walled Carbon Nanotube Nanostructured Ternary Composite: An Advance Material for Environmental and Biological Applications	Materials Today: Proceedings	Materials Today: Proceedings	International	2017	ISSN: 22147853	ACS College of Engineering	Elsevier
40	Raju K	AIP Conference Proceeding	Application of hybrid AI techniques for wind speed modeling in the Arabian Sea	AIP Conference Proceeding	AIP Conference Proceeding	International	2018	ISSN: 0094243X	ACS College of Engineering	AIP
41	Dr. V Mareeswari	AIP Conference Proceeding	Implementation of repair tree algorithm for fast repair in distributed storage system	AIP Conference Proceeding	AIP Conference Proceeding	International	2018	ISSN 0094-243X (print) 1551-7616 (web)	ACS College of Engineering	AIP
42	Mrs.Kavita K Patil	AIP Conference Proceeding	An energy efficient broadcasting in mobile WSN	AIP Conference Proceeding	AIP Conference Proceeding	International	2018	ISSN: 0094243X	ACS College of Engineering	AIP

43	YAMINI GAYATRI	NA	Novel multicarrier transmission technique for channel estimation in the world of wireless transmission	International Conference on Electrical, Electronics, Communication Computer Technologies and Optimization Techniques, ICEECCOT 2017, 3	ICEECCOT 2017,	International	2018	ISBN: 9781538623619	ACS College of Engineering	IEEE
44	Prasanna Kumar	NA	Adaptive filter algorithms based noise cancellation using neural network in mobile applications	Advances in Intelligent Systems and Computing	Advances in Intelligent Systems and Computing	International	2018	ISSN: 21945357	ACS College of Engineering	Springer
45	Saravanan. N	NA	Study and analysis of power line communication	AIP Conference Proceedings	AIP Conference Proceedings	International	2018	ISSN: 0094243X	ACS College of Engineering	AIP
46	Eswaramoorthy, M.b	NA	Experimental study on heat transfer characteristic of hexagonal perforations in square fin	AIP Conference Proceedings	AIP Conference Proceedings	International	2018	ISSN: 0094243X	ACS College of Engineering	AIP

47	Eswaramoorthy, M.b	NA	Finite element analysis on thermal performance of thermal barrier coatings	AIP Conference Proceedings	AIP Conference Proceedings	International	2018	ISSN: 0094243X	ACS College of Engineering	AIP
48	Eswaramoorthy, M	NA	Experimental study on multifunctional biomass cooking stove	AIP Conference Proceedings	AIP Conference Proceedings	International	2018	ISSN: 0094243X	ACS College of Engineering	AIP
49	Dr. Suresh P. M.	NA	Experimental and FE analysis of floor pan of a car without and with incorporating viscoelastic damping	AIP Conference Proceedings	AIP Conference Proceedings	International	2018	ISSN: 0094243X	ACS College of Engineering	AIP
50	Eswaramoorthy, M	NA	Comparative CFD analysis on heat transfer coefficient of circular & non circular duct	AIP Conference Proceedings	AIP Conference Proceedings	International	2018	ISSN: 0094243X	ACS College of Engineering	AIP
51	Dr. Suresh P. M.	NA	A critical evaluation of indentation techniques for measuring the hardness vs toughness: A review	AIP Conference Proceedings	AIP Conference Proceedings	International	2018	ISSN: 0094243X	ACS College of Engineering	AIP

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1	Bharathi Gururaj	AIP Conference Proceedings	Error-resilient transmission of image over challenging wireless communication channel	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
2	Dr. Mathivanan M	AIP Conference Proceedings, ICONSET 2018, ACS College of Engineering, Bengaluru	IoT based Continuous monitoring of cardiac patients using Raspberry PI	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
3	Dr. R. Sivasubramaniyam	AIP Conference Proceeding	Solar hybrid vehicle	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP

4	Eswaramoorthy, M	AIP Conference Proceeding	Experimental investigation on heat transfer enhancement and pressure drop of double pipe heat exchanger in solar water heating system	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
5	VEENA B H	AIP Conference Proceeding	The effect of slip and magnetic field on the ultra filtration process for a couple stress fluids	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
6	Dr. R. Sivasubramaniyam	AIP Conference Proceedings	An Experimental Investigation of the Performance of single cylinder CI Engine Fueled with Bio diesel and Hydrogen	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP

7	R. Mukesh, L. Princeraj and M. Krishnakumar	AIP Conference Proceedings	Performance Analysis of NACA 2411 Ice accreted original and optimized airfoils	International Conference on Sustainable Engineering and Technology(I CONSET 2018)	ICONSET 2018	International	2018	ISBN: 978-0-7354-1765-6	ACS College of Engineering	AIP
8	Dr. V Mareeswari	Lecture Notes in Networks and Systems	A Novel Approach to Identify Facial Expression Using CNN	Innovations in Computer Science and Engineering	ICICSE	International	2019	ISSN:2367-3370	ACS College of Engineering	Springer Nature
9	Dr.Punal M.Arabi , Gayatri Joshi, Surekha Nigudgi	Advances in Intelligent Systems and Computing book series (AISC, volume 768)	Categorizing Kidney Stones Using Region Properties and Pixel Intensity Matrix	International Conference on Cognitive Informatics & Soft Computing	CISC-2019	International	2019	ISBN:978-981-13-0616-7	ACS College of Engineering	Springer
10	Dr.Punal M.Arabi , Gayatri Joshi	Diabetic Foot: Prevention and Treatment,	Machine vision for early diabetes diagnosis	NA	NA	International	2019	ISBN: 978-1-53616-266-0	ACS College of Engineering	Nova Science Publishers, Inc.
11	Dr G Ramanan	NA	fault recognition and isolation scheme for spacecraft propulsion system	Proceedings of the International Conference on Smart Systems and Inventive Technology	International Conference on Smart Systems and Inventive Technology (ICSSIT)	International	2018	ISBN: 9781538658734	ACS College of Engineering	IEEE

12	Dr.Mukesh R	AIP Conference Proceeding	Comparison of total electron content of IRNSS with IRI and GPS-TEC at equatorial latitude station	AIP Conference Proceeding	INTERNATIONAL CONFERENCE ON SUSTAINABLE ENGINEERING AND TECHNOLOGY (ICONSET 2018)	International	2018	ISSN: 0094243X	ACS College of Engineering	AIP
13	Elangovan, R.R	Materials Today: Proceedings	Fracture toughness and fatigue behavior of spider silk and S-glass epoxy composites: An FEM approach	NA	Materials Today: Proceedings	International	2018	22147853	ACS College of Engineering	Elsevier
14	ANITHA S	NA	Developing an Ethernet Interface Using a General Purpose Microcontroller and Ethernet Controller for Power Amplifier	Proceedings of the 2018 IEEE International Conference on Communication and Signal Processing, ICCSP 2018,	International Conference on Communication and Signal Processing (ICCSP)	International	2018	ISBN: 9781538635216	ACS College of Engineering	IEEE

15	Dr Anitha.S	NA	Validation of IRI2012 and Ne Quick models predicted TEC with GPS India	International Conference on Communications and Signal Processing	International Conference on Communications and Signal Processing	International	2018	978-1-5386-3522-3	ACS College of Engineering	IEEE
16	Dr Punal M Arabi	NA	Identification of Age Related Macular Degeneration Using OCT Images	IOP Conference Series: Materials Science and Engineering	IOP Conference Series: Materials Science and Engineering	International	2018	ISSN: 17578981	ACS College of Engineering	IOP
17	Dr Anitha.S	NA	Analysis of filtering and novel technique for noise removal in MRI and CT images	International Conference on Electrical, Electronics, Communication Technologies and Optimization Techniques	International Conference on Electrical, Electronics, Communication Computer Technologies and Optimization Techniques	International	2018	ISBN: 9781538623619	ACS College of Engineering	IOP
18	Dr Anitha.S	NA	Empirical analysis of user position for various conditions using gnss single frequency receiver	International Conference on Electrical, Electronics, Communication Technologies and Optimization Techniques	International Conference on Electrical, Electronics, Communication Computer Technologies and Optimization Techniques	International	2018	ISBN: 9781538623619	ACS College of Engineering	IEEE

19	Punal M Arabi	Smart and Innovative Trends in Next Generation Computing Technologies	Automatic diagnosis of dental diseases	Communications in Computer and Information Science	NA	International	2018	ISSN: 18650929	ACS College of Engineering	Springer
20	Punal M Arabi	Smart and Innovative Trends in Next Generation Computing Technologies	Automatic screening method for bone health diagnosis	Communications in Computer and Information Science	NA	International	2018	ISSN: 18650929	ACS College of Engineering	Springer
21	Punal M Arabi	Smart and Innovative Trends in Next Generation Computing Technologies	Feasibility study of NIR, DSLR imaging techniques for automatic diabetic foot screening	Communications in Computer and Information Science	NA	International	2018	ISSN: 18650929	ACS College of Engineering	Springer
22	Raju K	NA	Review on remote sensing and GIS for lake management	AIP Conference Proceedings	AIP Conference Proceedings	International	2018	ISSN: 0094243X	ACS College of Engineering	AIP

23	Venkatesh Babu	NA	Effect and influence of fly ash and GGBS on properties of ambient cured self-compacting geopolymer concrete for in situ applications	AIP Conference Proceedings	AIP Conference Proceedings	International	2018	ISSN: 0094243X	ACS College of Engineering	AIP
24	KAVITHA PATIL	NA	IoT based power management and controlled socket	International Conference on Electrical, Electronics, Communication Technologies and Optimization Techniques, ICEECCOT 2017, 2	International Conference on Electrical, Electronics, Communication Computer Technologies and Optimization Techniques, ICEECCOT 2017, 3	International	2018	ISBN: 9781538623619	ACS College of Engineering	IEEE

25	Mathivanan, M.	NA	A Survey on In-Loop Filters of High Efficiency Video Coding Standard	International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques, ICEECCOT 2018	International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques, ICEECCOT 2019	International	2018	ISBN: 9781538651308	ACS College of Engineering	IEEE
26	Dr Suresh P.M.	NA	Electronic sensors for micron resolution dimension measurement	International Conference on Electrical, Electronics, Communication Computer Technologies and Optimization Techniques, ICEECCOT 2017, 4	ICEECCOT 2017	International	2018	ISBN: 9781538623619	ACS College of Engineering	AIP
27	Dr Suresh P.M.	NA	Numerical and Experimental Analysis of Passenger Car Floor	Materials Today: Proceedings , 5 (10), pp. 22254-22261	Materials Today: Proceedings , 5 (10), pp. 22254-22262	International	2018	ISSN: 22147853	ACS College of Engineering	Elsevier

28	Dr Suresh P.M.	NA	Numerical and Experimental Modal Analysis of Car Roof Incorporating Viscoelastic Damper	Materials Today: Proceedings , 5 (10), pp. 22254-22261	Materials Today: Proceedings , 5 (10), pp. 22254-22262	International	2018	ISSN: 22147853	ACS College of Engineering	Elsevier
29	Dr. Suresh P. M.	NA	Numerical and Experimental Modal Analysis of Car Door with andwithout Incorporating Viscoelastic Damping	Science Direct Materials Today: Proceedings 5	Science Direct Materials Today: Proceedings 6	International	2018	ISSN 2214-7853.	ACS College of Engineering	Elesvier
30	Dr. Suresh P. M.	NA	Modal Analysis of Car Hood with Viscoelastic Damper	Materials Today Proceedings	Materials Today Proceedings	International	2018	ISSN: 22147853	ACS College of Engineering	Elsevier
31	Dr. Suresh P. M.	NA	Wear Behaviour Of Aluminum Alloy Reinforced With Beryl Metal Matrix Composites Using Taguchi Method	Materials Today Proceedings	Materials Today Proceedings	International	2018	ISSN 2214-7853.	ACS College of Engineering	Elsevier

32	Dr. Suresh P. M.	NA	Root Cause Analysis Of Forged Spline Yoke Shaft Using Finite Element Method	Materials Today Proceedings	Materials Today Proceedings	International	2018	ISSN 2214-7853.	ACS College of Engineering	Elsevier
33	Dr.H S Siddesha	NA	Influence of constrained Groove Pressing passes and annealing characteristics on the Mechanical Properties of 6061 Aluminum Alloy	Materials Today Proceedings	Materials Today Proceedings	International	2018	ISSN 2214-7853.	ACS College of Engineering	Elsevier
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2020-21

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30	Dr.Anitha S	NA	Implementation of image enhancement and image segmentation in disease diagnosis (lung cancer)	7th International Conference on Advanced Computing & Communication Systems (ICACCS)	7th International Conference on Advanced Computing & Communication Systems (ICACCS)	International	2021		ACS College of Engineering	IEEE
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Feature Extraction and Classification of X-Ray Lung Images Using Haralick Texture Features

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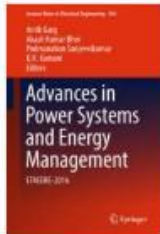
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Smart Controlling of Appliances in Power-Line Communication Using LabVIEW

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In book: Bio-composites Properties, Performance and Applications (pp.273-288) · Chapter: 15 · Publisher: Nova Science Publishers, New York · Editors: Asim Shahzad

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Abstract

Nowadays, physical harassment is the one of the most common and frequently happening offenses against girls and women (all the kind of women) in India. The metro cities have more

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EEG wave based identification of sleep disorders

AIP Conference Proceedings **2039**, 020033 (2018); <https://doi.org/10.1063/1.5078992>

Tushar R.^{a)}, Hemanth Kumar G.^{b)}, Anitha S.^{c)}, and Shiram S.^{d)}

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ABSTRACT

Sleep stage classification is one of the most critical steps in effective diagnosis and the treatment of sleep-related disorders. Sleep stage scoring is the first step to diagnostic of

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Early detection and characterization of Alzheimer's using medical image analysis

AIP Conference Proceedings **2039**, 020032 (2018); <https://doi.org/10.1063/1.5078991>

Punal M. Arabi^{a)}, Vamsha Deepa^{b)}, Divya Susheel^{c)}, and Shriram^{d)}

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Red laser blood glucose monitoring device

AIP Conference Proceedings 2039, 020029 (2018); <https://doi.org/10.1063/1.5078988>

Sanjaya Pandey^{1,a)}, Sravya L.^{1,b)}, K. N. Maruthy^{2,c)}, Anitha S.^{1,d)}, and Hemanth Kumar G.^{1,e)}

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- Diseases and conditions
- Carbohydrates
- Biosensors

ABSTRACT

Conventional Invasive technique for blood glucose monitoring requires a finger prick blood sample, a repetitive painful process that creates the peril of infection and costly too.



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A novel method to filter and enhance low quality CT images of normal lungs

AIP Conference Proceedings 2039, 020027 (2018); <https://doi.org/10.1063/1.5078986>

Sanjaya Pandey^{a)}, M. R. Ramya^{b)}, and Anitha S.^{c)}

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ABSTRACT

Humans have a pair of lungs which is one of most vital and sensitive organs of the human

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Detection of Crohn's disease through capsule endoscopy by image processing

AIP Conference Proceedings 2039, 020031 (2018); <https://doi.org/10.1063/1.5078990>

Punal M. Arabi^{a)}, Vamsha Deepa^{b)}, Indu A.^{c)}, and Varini Chinnabhandar^{d)}

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- Gastrointestinal tract
- Digestive system

ABSTRACT

Gastrointestinal diseases and disorders are one of the most common hospital cases in recent times. These diseases affect various organs of the tract that include the esophagus, stomach, small intestine, large intestine and other accessory organs of the digestive system. These



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Feature identification for computer aided diagnosis of liver cirrhosis

AIP Conference Proceedings 2039, 020030 (2018); <https://doi.org/10.1063/1.5078989>

Punal M. Arabi^{a)}, Gayatri Joshi^{b)}, Surekha Nigudgi^{c)}, and Prathibha T. P.^{d)}

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Submitted: September 1st 2018 Reviewed: September 27th 2018 Published: December 5th 2018

DOI: 10.5772/intechopen.81709

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Abstract

In India, due to fast pace development there is a drastic growth in the iron and steel industry. As of 2017, India is one of the largest producers of crude steel in the world. This has led to drastic increase in mining activity. Mining activity is responsible for generation of wastes, which can pose threat to the environment

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Implementation of repair tree algorithm for fast repair in distributed storage system

AIP Conference Proceedings 2039, 020021 (2018); <https://doi.org/10.1063/1.5078980>

V. Mareeswari^{a)}, Sunita Chalageri^{b)}, and Aishwarya A. M.^{c)}

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TOPICS

- Educational assessment
- Data storage and retrieval
- Information technology

ABSTRACT

Data is an important asset that needs to be safeguarded. Loss of data leads to direct financial losses. Storing data has evolved to meet the increasing needs of companies and individuals. The traditional storage approach, a specialized storage box no longer works for technical and economical reasons. Need is not for faster drives or networks but need is for a new





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An energy efficient broadcasting in mobile WSN

AIP Conference Proceedings 2039, 020037 (2018); <https://doi.org/10.1063/1.5078996>

Kavita K. Patil^{1,a}, T. Senthil Kumaran^{1,b}, and Jyoti Metan^{1,c}

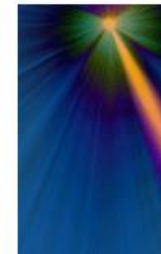
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ABSTRACT

Mobile WSN do not have fixed infrastructure. They are self administrative and support dynamic topology. When a packet is broadcasted through flooding, this leads to problems like redundancy, contention and collision. Counter based broadcast design is supported to overcome above discussed problem. This approach is mainly dividing the network into following regions such as low sparse, average sparse, intermediate dense and high dense region. The packets are then transmitted through the node that has more number of nodes. This approach reduces redundancy, contention and collision.





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Solid state fault current limiter (SSFCL) in power system-A case study

AIP Conference Proceedings 2039, 020071 (2018); <https://doi.org/10.1063/1.5079030>

Ananda M. H.^{1,a)}, M. R. Shivakumar^{2,b)}, and R. S. Shivakumar Aradhya^{3,c)}

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TOPICS

- Power electronics
- Short circuit
- High voltage technology
- Critical fault current

ABSTRACT

Increasing generation to meet the load growth and interconnections between systems to improve reliability and power transfer capability are likely to increase the fault current levels. If the resultant short circuit current exceeds the existing equipment rating, they must either be upgraded or replaced or reconfigure its system to reduce the new available fault current. Both of which are very costly or time escalated process. Hence it is preferred to



Study and analysis of power line communication

AIP Conference Proceedings 2039, 020034 (2018); <https://doi.org/10.1063/1.5078993>

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TOPICS

- Telecommunication networks

ABSTRACT

Power line communication (PLC) could be a promising technique for info transmission victimization existing power lines PLC technologies will be utilized in associate inside-building low voltage surroundings, a short-distance medium voltage surroundings, or a long-distance high voltage surroundings. Mixed high voltage, medium-voltage, and low-tension power provide networks may well be bridged to make terribly giant networks for communications, as a substitute to telecommunication networks One in all the popular modulation schemes is that the OFDM that forms the physical layer decides the information rate of power cable communication standards. During this analysis work, performance

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Experimental study on heat transfer characteristic of hexagonal perforations in square fin

AIP Conference Proceedings 2039, 020043 (2018); <https://doi.org/10.1063/1.5079002>

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TOPICS

- Thermodynamic states and processes
- Chemical elements

ABSTRACT

This paper presents an experimental analysis on heat transfer characteristic of hexagonal proportion in square fins. The experimental setup consists of eight fins (aluminum 5052) having dimension of 150mm × 150mm × 1mm thickness, arranged at equal intervals along the periphery of an externally slotted hollow cylinder. The fins are heated by using an electrical heater placed inside the hollow cylinder. plane fin, three other fins which are perforated with hexagon shape, having side of 6mm, 9mm and 12mm. Experiments are conducted for



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Finite element analysis on thermal performance of thermal barrier coatings

AIP Conference Proceedings 2039, 020074 (2018); <https://doi.org/10.1063/1.5079033>

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TOPICS

- Finite-element analysis
- Thin film deposition
- Thermodynamic states and processes
- Thermal effects
- Thermal conductivity
- Oxides

ABSTRACT

Thermal barrier coatings are improve the thermal performance of the structural members as insulating or minimizing the thermal effects on the structures. Its less thermal conductivity results higher thermal gradient at the barrier coatings and the less heat transfer to the main substrate results low thermal stress in the members. This paper presents analysis of the thermal barrier coatings effect on temperature and stress generation in the structures. The analysis considered based on axisymmetric conditions and the analysis is carried out in both



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Gear ratio calculation and comparison between sports utility vehicle (SUV's) and race application

AIP Conference Proceedings 2039, 020019 (2018); <https://doi.org/10.1063/1.5078978>

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TOPICS

- Energy efficiency
- Energy consumption

ABSTRACT

The main objective is to design the automotive transmission with the traction available from the engine into the traction force over a wide range of road speeds of the vehicle. This must be done such that there is a favorable compromise between the number of speeds, the climbing and acceleration performance and fuel consumption.

In the present work a transmission gear ratios have been calculated for a "Sports Utility Vehicle (SUV)" [TATA SAFARI] have a kerb weight of 1800kg and seating capacity of 6



Experimental study on multifunctional biomass cooking stove

AIP Conference Proceedings 2039, 020046 (2018); <https://doi.org/10.1063/1.5079005>

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TOPICS

- Biomass energy sources
- Thermoelectric generator

ABSTRACT

This paper presents the performance enhancement of multifunctional cooking stove with thermal energy storage. The stove consists of cooking pot and thermoelectric generator attached on wall the stove with thermal storage unit on the hot side. An experimental is conducted and found the efficiency of the biomass stove as 20% and combined mode 50%. It is concluded that the proposed system can be used as standalone power generation system to meet power demands at isolated rural house and it will reduce the burden to conventional grid suppliers.

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Experimental and FE analysis of floor pan of a car without and with incorporating viscoelastic damping

AIP Conference Proceedings 2039, 020028 (2018); <https://doi.org/10.1063/1.5078987>

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TOPICS

- Finite-element analysis
- Modal analysis
- Oscillators
- Viscoelasticity

ABSTRACT

The experimental and finite modal analysis of floor pan of a conventional car without and with incorporating viscoelastic damper is examined for NVH performance. The 3D model of the floor pan is generated using CATIA V5 software as an initial step, later on it is being meshed precisely using HYPERMESH software and analysed using the software ABAQUS 6.10. However, to validate the Finite Element Analysis Experimental modal analysis has been conducted using impact hammer and FFT analyser. Natural frequencies and mode shapes

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Comparative CFD analysis on heat transfer coefficient of circular & non circular duct

AIP Conference Proceedings 2039, 020070 (2018); <https://doi.org/10.1063/1.5079029>

Gurumurthy K. M.^{1,a)}, Manjunatha T. G.², and M. Eswaramoorthy^{3,b)}
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TOPICS

- Thermodynamic states and processes
- Computational fluid dynamics
- Turbulent flows

ABSTRACT

This paper presents the comparative studies on heat transfer coefficient for circular and non-circular duct like square, elliptical and triangular section using computational fluid dynamics simulation package. The forced convection with turbulent flow is very complicated and analyzed through CFD simulation. The geometry model developed for four cases and meshed processed using CFX13 software package for the given boundary conditions. CFD simulation is carried out with the constant heat flux on the wall to compute

A critical evaluation of indentation techniques for measuring the hardness vs toughness: A review

AIP Conference Proceedings 2039, 020073 (2018); <https://doi.org/10.1063/1.5079032>

K. G. Sagar^{1,a)} and P. M. Suresh^{2,b)}

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ABSTRACT

To obtain a reasonable relationship between fracture toughness and hardness of a certain material has become a great importance these days. The material for production of any machine parts or for any commodities needs to be tough enough in order to withstand the stress causing deformation, as well as it should be hard enough for resisting any type of surface penetration or abrasion. The fracture toughness was measured by palmqvist method and the hardness was measured by Vickers indentation technique. In general, the higher the



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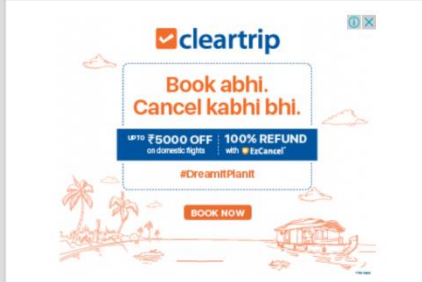
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Authors: Punal M. Arabi, Gayatri Joshi, Tejaswi Bhat, Varini Chinnabhandar

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Abstract

Bone is a composite material consisting of both inorganic and organic components. The estimation of bone strength is an important risk factor in the clinical assessment of osteoporosis. There are several bone diseases that cause abnormalities of bone such as

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Feasibility Study of NIR, DSLR Imaging Techniques for Automatic Diabetic Foot Screening

June 2018
DOI:10.1007/978-981-10-8660-1_67
In book: Smart and Innovative Trends in Next Generation Computing Technologies (pp.887-898)

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January 2015 - *Der Pharma Chemica* 7(5):11-20
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Evaluation of Mechanical Properties of Jute/E-Glass Epoxy Hybrid Composites by Varying Fibre Loading With And Without Shear Thickening Fluid

M.R. Abhishek ^a, P.M. Suresh ^b, H.S. Sreedhar Murthy ^a

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Microstructure, hardness and wear behavior of AZ31 Mg alloy – fly ash composites produced by friction stir processing

V.V. Kondaiah ^a, P. Pavanteja ^a, P. Afzal Khan ^a, S. Anand Kumar ^{b,c}, Ravikumar Dumpala ^d, B. Ratna Sunil ^{a,✉}

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Facile Synthesis and Characterization of MnO₂/Graphene/Multi Walled Carbon Nanotube Nanostructured Ternary Composite: An Advance Material for Environmental and Biological Applications

T. Venkatesh ^a, K.R. Vishnu Mahesh ^{b,✉}, M. Mylarappa ^c, D.M.K. Siddeswara ^d, N Raghavendra ^a, M.S. Shiva Kumar ^a, Dinesh Rangappa ^f, D.S Prasanna ^f

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Comparison of total electron content of IRNSS with IRI and GPS-TEC at equatorial latitude station

AIP Conference Proceedings 2039, 020045 (2018); <https://doi.org/10.1063/1.5079004>

R. Mukesh^a, P. Soma, P. Sindhu, and R. R. Elangovan

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ABSTRACT

Total Electron Content (TEC) is the key element for observing the variation of the ionospheric signals. TEC is integrated electron density over the signal path from transmitter to receiver and measured in TEC units. The IRNSS SPS RX is used to track and provide accurate location information with 7satellite constellation system. The receiver consists of three individual channels which operate at frequencies of 1575.42MHz - L1, 1176.45MHz - L5

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Review on remote sensing and GIS for lake management

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ABSTRACT

The lake management widely depends on control of drainage sources and lake management. Remote sensing and Geographical Information Systems can offer quick understanding of lake changes and in building lake management plan. The assimilation of remote sensing and GIS as an investigative tool allows the planners to capture and bring up to date all the appropriate information, plan, compare, visualise and assess from simulate various lake management scenarios.

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ABSTRACT

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Data acquisition in car using IoT

AIP Conference Proceedings 2039, 020026 (2018); <https://doi.org/10.1063/1.5078985>

Jyoti Metan¹, Kavita K. Patil², and Sagar R.³

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TOPICS

- Data acquisition
- Information technology
- Forensic science

ABSTRACT

Data acquisition in car is to record vehicle history which can be used for car forensics in case of car accident or related crimes. Data collection stores engine temperature reading at that instant of time, obstacle detection, seat belt condition, the speed of the vehicle are the clues for investigation vehicle-related accidents or crimes. The images captured can be collected via GSM through android. This is the process of collecting image captured and data's like temperature, obstacle and seat belt worn. This data is then sent through GSM to concerned authorities.

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Novel approach for mitigation of collision in mobile ad-hoc networks

AIP Conference Proceedings 2039, 020022 (2018); <https://doi.org/10.1063/1.5078981>

Mahantesh Mathapati^{1,4}, T. Senthil Kumaran², A. Krishna Kumar², and Shiva Prasad K. H.³

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- Telecommunication networks

ABSTRACT

In MANETS, conventional back-off models do not precisely forecast the performance, hence, it suffer with high packet smash. The main objective of this work is to decrease collision using the Adaptive Contention Window Size Back-off (ACWSB) scheme for increasing window size and reduce collision by disseminating the traffic into a bigger time space. The ACWSB algorithm manages the contention window of the nodes suffering collisions. During packet transmission, the back-off counter is evenly selected from the given range of [0,

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AIP Conference Proceedings 2039, 020047 (2018); <https://doi.org/10.1063/1.5079006>

Veena H. N.¹, Muruganandam M.², and T. Senthil Kumaran³

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PDF E-READER **ABSTRACT** TOOLS SHARE METRICS

TOPICS

- Educational assessment
- Theoretical computer science
- Dictionaries

ABSTRACT

In this paper, texture classification is applied on coin image using coin recognition system. This system consists of training and testing phase. Based on Hough transform, firstly coin position will be identified in training phase. After the identification of the position, the texture feature will be extracted and uses these features to generate the dictionaries based on the Bag of word (BoW) approach. After extracting the texture feature, the image is divided into rings and fans structure and it follows the rotation invariant property. Further the features are quantized and generated a histogram to represent the texture features of

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Performance evaluation of white noise for different noisy speech signals in mobile applications

AIP Conference Proceedings 2039, 020044 (2018); <https://doi.org/10.1063/1.5079003>

Vamsha Deepa¹, Sujay S.², Lavanya S.³, and M. Mathivanan⁴

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TOPICS

- Acoustic noise
- Speech communication
- Signal processing
- Speech processing systems

ABSTRACT

Speech is the main mode of communication between human beings and man-machine environment. Due to large use of mobile communication to long distance the speech in mobile communication plays a vital role. The mobile speech suffers from more number of noises due to surrounding environment and makes the person in conversation complex to

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Publisher: IEEE Cite This PDF

Punal M Arabi; Surekha Nigudgi; Tejaswi Bhat; Abrar Ahmed All Authors

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Categorizing healthy, osteopenic and osteoporotic bones by white pixel calculation

Publisher: IEEE

Punal M. Arabi ; Gayatri Joshi ; Dhatri ; Rohith N. Reddy

Abstract: Osteoporosis is a state of disease characterized by a degradation of bone mass and bone strength. About 200 million people are affected by Osteoporosis annually worldwide. There are several bone diseases that cause abnormalities of bone structure such as osteoporosis, osteomalacia, osteogenesis imperfecta, osteoporosis, fibrous dysplasia disease in craniofacial bones

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Secure online examination by using graphical own image password scheme

Publisher: IEEE

Mahantesh Mathapati ; T. Senthil Kumaran ; A. Krishna Kumar ; S. Vinoth Kumar

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D. Sivakumar ; C. Sureshkumar **All Authors**

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J. Deepika ; M. Mathivanan ; A. Muruganandham ; R. Vivek | All Authors

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One Step Synthesis of Ternary Composite of GNS/CNT/MnO₂ for the Applications of Electrochemical and Photocatalytic Studies

D.M.K. Siddeswara ^a, T. Venkatesh ^b, K.R. Vishnu Mahesh ^c, M. Mylarappa ^d, K.S. Anantharaju ^e, K.N. Shrivana Kumara ^g, N. Raghavendra ^f, M.S. Shivakumar ^b

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Facile Synthesis and Characterization of MnO₂/Graphene/Multi Walled Carbon Nanotube Nanostructured Ternary Composite: An Advance Material for Environmental and Biological Applications

T. Venkatesh ³, K.R. Vishnu Mahesh ³, R. M. Mylarappa ⁴, D.M.K. Siddeswara ⁴, N Raghavendra ⁴, M.S. Shiva Kumar ⁴, Dinesh Rangappa ⁴, D.S Prasanna ⁴

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Investigations on diabetic foot impairment using NIR images and thermoregulatory behavior


July 2017
 DOI:10.1109/ICCNCNT.2017.8204102
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Application of hybrid AI techniques for wind speed modeling in the Arabian Sea

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Sanjeev Gadad^a and Kumar Raju^b

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TOPICS

- Wavelet transform
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- Educational assessment

ABSTRACT

Winds are considered to be the one of driving forces that alters the climatic parameters resulting in different weather patterns. The circulation of winds as a result of temperature, atmospheric pressure changes are interdependent in nature and are important studying monsoon occurrence. To study the circulation patterns over oceans at a small scale,



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Implementation of repair tree algorithm for fast repair in distributed storage system

AIP Conference Proceedings 2019, 020021 (2018); <https://doi.org/10.1063/1.5078980>

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- Educational assessment
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ABSTRACT

Data is an important asset that needs to be safeguarded. Loss of data leads to direct financial losses. Storing data has evolved to meet the increasing needs of companies and individuals. The traditional storage approach, a specialized storage box no longer works for technical and economical reasons. Need is not for faster drives or networks but need is for a new



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An energy efficient broadcasting in mobile WSN

AIP Conference Proceedings 2039, 020037 (2018); <https://doi.org/10.1063/1.5078996>

Kavita K. Patil^{1,a}, T. Senthil Kumaran^{1,b}, and Jyoti Metan^{1,c}

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ABSTRACT

Mobile WSN do not have fixed infrastructure. They are self administrative and support dynamic topology. When a packet is broadcasted through flooding, this leads to problems like redundancy, contention and collision. Counter based broadcast design is supported to overcome above discussed problem. This approach is mainly dividing the network into following regions such as low sparse, average sparse, intermediate dense and high dense region. The packets are then transmitted through the node that has more number of nodes.

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Novel multicarrier transmission technique for channel estimation in the world of wireless transmission

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Yamini Gayathri ; Anitha All Authors

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Abstract: Orthogonal frequency division multiplexing (OFDM) is a method in transmission of multicarrier, which splits the spectrum into several carrier signals which is modulated by a data stream with lower rate. The action of OFDM module could be widely raised with dynamic channel estimation well prior to the de-modulation of OFDM signals since wireless channel is frequency selective and time-varying for broad-band wireless communication systems. This paper proposes the optimization of channel estimation to achieve the optimal data throughput under AWGN & Rayleigh channel models by means of simulation. The main objective of these studies is to observe the

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ANNHBPAA Based Noise Cancellation Employing Adaptive Digital Filters for Mobile Applications

Kumar, A. M. Prasanna; Vijaya, S. M.

The persistent improvement of the hybrid adaptive algorithms and the swift growth of signal processing chip enhanced the performance of signal processing technique exalted mobile transceiver systems. The proposed artificial neural network hybrid back propagation adaptive algorithm for mobile applications used for noise cancellation. Adaptive noise cancellation using ANN has been implemented on audio speech signal is a new and intelligent method for real-time noise cancellation based on neural networks. Networks of this kind are quite often used for error cancellation, speech signal processing and control systems. The proposed hybrid algorithm consists all the significant features of gradient adaptive lattice and least mean square algorithms. The performance analysis of the method is performed by considering convergence complexity and bit error rate parameters along with performance analyzed with varying some parameters such as number of filter

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ABSTRACT

Power line communication (PLC) could be a promising technique for info transmission victimization existing power lines PLC technologies will be utilized in associate inside-building low voltage surroundings, a short-distance medium voltage surroundings, or a long-distance high voltage surroundings. Mixed high voltage, medium-voltage, and low-tension power provide networks may well be bridged to make terribly giant networks for communications, as a substitute to telecommunication networks One in all the popular

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Experimental study on heat transfer characteristic of hexagonal perforations in square fin

AIP Conference Proceedings 2039, 020043 (2018); <https://doi.org/10.1063/1.5079002>

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ABSTRACT

This paper presents an experimental analysis on heat transfer characteristic of hexagonal proportion in square fins. The experimental setup consists of eight fins (aluminum 5052) having dimension of 150mm × 150mm × 1mm thickness, arranged at equal intervals along the

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Finite element analysis on thermal performance of thermal barrier coatings

AIP Conference Proceedings 2039, 020074 (2018); <https://doi.org/10.1063/1.5079033>

Mahadeva Prasad L.^{1,a)}, Savita D. C.^{2,b)}, and M. Eswaremoorthy^{3,c)}

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- Thermodynamic states and processes
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ABSTRACT

Thermal barrier coatings are improve the thermal performance of the structural members as insulating or minimizing the thermal effects on the structures. Its less thermal conductivity results higher thermal gradient at the barrier coatings and the less heat transfer to the main substrate results low thermal stress in the members. This paper presents analysis of the

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Experimental study on multifunctional biomass cooking stove

AIP Conference Proceedings 2039, 020046 (2018); <https://doi.org/10.1063/1.5079005>

Ajrun K., Alex Wilson, Lijin J., and M. Eswaramoorthy¹

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TOPICS

- Biomass energy sources
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ABSTRACT

This paper presents the performance enhancement of multifunctional cooking stove with thermal energy storage. The stove consists of cooking pot and thermoelectric generator attached on wall the stove with thermal storage unit on the hot side. An experimental is conducted and found the efficiency of the biomass stove as 20% and combined mode 50%. It is concluded that the proposed system can be used as standalone power generation system to meet power demands at isolated rural house and it will reduce the burden to conventional

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Experimental and FE analysis of floor pan of a car without and with incorporating viscoelastic damping

AIP Conference Proceedings 2039, 020028 (2018); <https://doi.org/10.1063/1.5078987>

Chandru B. T.^{1,4}, Ravi Shankar E. S.², Maruthi B. H.³, and Suresh P. M.^{4,5}

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TOPICS

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ABSTRACT

The experimental and finite modal analysis of floor pan of a conventional car without and with incorporating viscoelastic damper is examined for NVH performance. The 3D model of the floor pan is generated using CATIA V5 software as an initial step, later on it is being meshed precisely using HYPERMESH software and analysed using the software ABAQUS

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AIP Conference Proceedings 2039, 020070 (2018); <https://doi.org/10.1063/1.5079029>

Gurumurthy K. M.^{1,a)}, Manjunatha T. G.^{2,}, and M. Eswaremoorthy^{3,b)}

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- Turbulent flows

ABSTRACT

This paper presents the comparative studies on heat transfer coefficient for circular and non-circular duct like square, elliptical and triangular section using computational fluid dynamics simulation package. The forced convection with turbulent flow is very complicated and analyzed through CFD simulation. The geometry model developed for four



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AIP Conference Proceedings 2039, 020073 (2018); <https://doi.org/10.1063/1.5079032>

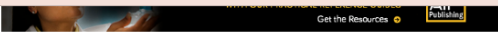
K. G. Sagar^{1,a)} and P. M. Suresh^{2,b)}

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ABSTRACT

To obtain a reasonable relationship between fracture toughness and hardness of a certain material has become a great importance these days. The material for production of any machine parts or for any commodities needs to be tough enough in order to withstand the stress causing deformation, as well as it should be hard enough for resisting any type of



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Error-resilient transmission of image over challenging wireless communication channel

AIP Conference Proceedings 2039, 020036 (2018); <https://doi.org/10.1063/1.5078995>

Bharathi Gururaj¹ and G. Sadashivappa²

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TOPICS

- Wireless communications
- Analog transmission

ABSTRACT

Encoding scheme plays a crucial role in image transmission especially over error-prone wireless communication channel. After reviewing existing approaches over similar topic, it was found that existing image transmission scheme doesn't offer any form of assurance or reliability of optimal image quality. Hence, this paper contributes a solution to this research

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IoT based continuous monitoring of cardiac patients using Raspberry Pi

AIP Conference Proceedings 2039, 020025 (2018); <https://doi.org/10.1063/1.5078984>

M. Mathivanan^{1,4}, M. Balamurugan^{2,4}, Harish L.^{1,4}, Nandini^{1,4}, and Manisha Reddy^{1,4}
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TOPICS

- Internet
- Information technology
- Health care
- Biomedical equipment
- Heart rate
- Microcontroller
- Signal processing

ABSTRACT

In the recent development the Internet of Things (IoT) brings all electronics objects in to a single domain and it is easy to access everything through internet. The applications of IoT are Smart agriculture, Smart Home, Smart City, Smart health monitoring system etc. The automation of health care is one of the application which monitors the patient health status using IoT to make medical equipments more efficient by monitoring the patient's health, in which identifies the body conditions and reduces the human error. A health care monitoring

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Solar powered Hybrid vehicle

K. Mohan¹, S. Sankaranarayanan¹, Shyam Sundar Devi Prasad¹, V. Sivasubramaniam¹ and V. Sairam¹
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Experimental investigation on heat transfer enhancement and pressure drop of double pipe heat exchanger in solar water heating system

AIP Conference Proceedings 2039, 020035 (2018); <https://doi.org/10.1063/1.5078994>

N. Sreenivasalu Reddy^{1(a)}, K. Rajagopal², P. H. Veena^{3(b)}, and M. Eswaramoorthy⁴

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TOPICS

- Solar architecture
- Thermodynamic states and processes
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ABSTRACT

This paper presents the design and performances of double pipe heat exchanger embedded straight rectangular fins in the annulus are presented. Solar water heating systems use heat exchangers to transfer solar energy absorbed in solar collectors to the working fluid used to



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The effect of slip and magnetic field on the ultra filtration process for a couple stress fluids

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TOPICS

- Organs
- Viscous liquid
- Finite difference methods
- Magnetic fields
- Perturbation theory
- Filtration process
- Stress measurement

ABSTRACT

The influence of magnetic field and slip velocity at the membrane surface on ultra filtration process is studied for a couplestress fluid.The perturbation technique is employed to obtain the velocity profile. The concentration polarization is deduced numerically for a gel polarization model using an implicit finite difference technique. It is observed that the





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TOPICS

- Biofuels
- Chemical elements
- Exhaust gas temperature
- Thermal efficiency
- Energy consumption
- Electric vehicles
- Crude oil

ABSTRACT

Crude oil consumption is about 201.90 MMT in India for 2017-18. It is found that about 3/4th of crude oil is been utilized in transportation section, this has resulted in manufacturers globally to reduce the oil consumption without any sacrifice in performance of vehicles. Biodiesel, LPG, CNG and electric vehicles are some alternative methods used to reduce oil



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Performance analysis of NACA2411 ice accreted original and optimized airfoils

AIP Conference Proceedings 2128, 050002 (2019); <https://doi.org/10.1063/1.5117974>

M. Krishnakumar^{1,a)}, K. Lingadurai², R. Mukesh^{3,b)}, L. Princeraj⁴, V. Naveen⁵, M. Kavya⁶, and A. Sai Kiran⁷

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TOPICS

- Fluid dynamics
- Fluid drag
- Aircraft
- Aerodynamics
- Evolutionary computation

ABSTRACT

In present day, icing on the aircraft body has become the threat to the aircraft flight safety. Thus, it is vital to study the influential effects of ice accretion over airfoil in aerodynamic characteristics. The standard NACA2411 airfoil is chosen for this research study. The NACA 2411 airfoil has been optimized by using Genetic Algorithm method. Ice accretion over

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A Novel Approach to Identify Facial Expression Using CNN

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Ramanan G.; Aaron Raphael Raja F.; Samuel K.; Vivek Diwan All Authors

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Abstract: In this work proposes a back propagation algorithm neural network methodology for fault recognition and separation operation for the parallel plate solid spacecraft thruster (PPT) electrical discharge of a spacecraft. Based on the electromechanical model of PPT, its operation is verified. The model represents an LRC circuit with

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Comparison of total electron content of IRNSS with IRI and GPS-TEC at equatorial latitude station

AIP Conference Proceedings 2019, 020045 (2018); <https://doi.org/10.1063/1.5079004>

R. Mukesh¹, P. Soma, P. Sindhu, and R. R. Elangovan more...

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TOPICS

- Leptons
- Electron density
- Space weather

ABSTRACT

Total Electron Content (TEC) is the key element for observing the variation of the ionospheric signals. TEC is integrated electron density over the signal path from transmitter to receiver and measured in TEC units. The IRNSS SPS RX is used to track and provide accurate location information with 7satellite constellation system. The receiver consists of

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Fracture toughness and fatigue behavior of spider silk and S-glass epoxy composites: An FEM approach

T. Archana^a, S. Anand Kumar^{b,c}, R.R. Elangovan^a, Y.S. Rammohan^d, R. Ravikumar Dumpala^e, B. Ratna Sunil^f, R.K. Kumar^g

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Developing an Ethernet Interface Using a General Purpose Microcontroller and Ethernet Controller for Power Amplifier

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N Sharadha ; S Anitha ; J Pushpanjali All Authors

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Abstract

Abstract: With the rising trend, internet has become more widespread. A number of devices with microcontroller have been widely used in the industrial field. As all devices don't have the internet interface, the data from them cannot be transmitted in the network. Considering the technological development in the market place, the power amplifier with Ethernet interface options plays a significant role in monitoring and controlling operation in real time. For this purpose the power amplifier needs a physical communication port with the network. This paper presents the design and implementation of such Ethernet interface for power amplifier with microcontroller. The power amplifier communicates with the Ethernet controller through SPI (serial peripheral interface) port. The Ethernet controller ENC28J60 is the main element manufactured by the Microchip company, according to IEEE 802.3 standards along with the MAC and PHY modules. The Ethernet controller ENC28J60, an RJ45 connector and few passive components along with general purpose microcontroller is connected to the network and it works at a speed of 64Mbps.

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Validation of IRI-2012 and NeQuick Models Predicted TEC with GPS – India

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Abstract

Abstract: The Total Electron Content (TEC) is a vital and most dominant ionosphere parameter that can cause Global Positioning System (GPS) signal delays, signal degradation and in extreme cases loss of lock. This results into inefficient operations of ground and space based Global Navigation Satellite System (GNSS) applications. Ionosphere range delay on GPS signals is a major error source for GPS positioning and Navigation. Earlier research has shown that the ionosphere is highly variable at low latitude and equatorial regions. Since India located near to the equator, the gradient of equatorial ionization anomaly between the trough and the crest is very sharp, which results in large variation of ionospheric electron content. In this thesis the seasonal variation of ionosphere TEC is compared for several stations (Bangalore(12.96°N, 77.5667°E), Hyderabad (17.36°N, 78.47°E), Lucknow (26.8000° N, 80.9000° E), Port Blair (11.6683° N, 92.7378°E)) in India from 2013 to 2014. The observed TEC from GPS is compared with those derived from the International Reference Ionosphere (IRI)-2012 model (IRI-NeQuick and IRI-2001). From the Results we observed that TEC achieves its highest value during the summer, moderate TEC values in the winter and minimum in equinox seasons. And also observed that

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Empirical analysis of user position for various conditions using gnss single frequency receiver

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Abstract

Abstract: Global Navigation Satellite System (GNSS) is a satellite-based navigation and spatial positioning system with global coverage. Out of the many satellite navigation systems developed, the best possible in practice is Global Positioning System (GPS) which is composed of a total of 24 satellites (21 operational and 3 backup). The accuracy of GPS can be improved by Satellite Based Augmentation System (SBAS). The Indian SBAS is GAGAN (GPS Aided GEO Augmented Navigation). It supports wide area or regional augmentation using additional satellite broadcast messages. GAGAN is a planned implementation of SBAS by the Indian

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Abstract

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Punal M. Arabi, Gayatri Joshi, Tejaswi Bhat, Varini Chinnabhandar

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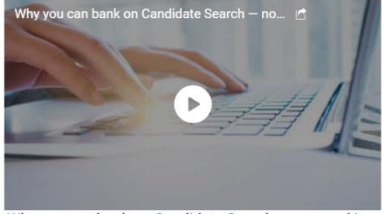
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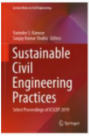
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Department of IT, MVSR Engineering College

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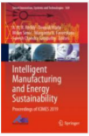
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Power Generation Using Sound by Piezo Electric Material

Chaithanya D J¹, Anitha S², Ramya B¹, Aisiri A P¹

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Abstract. Pollution is a major problem all over the world. According to the energy conservation statement law states that energy cannot be created or destroyed but can be converted from one form to another. As it relates to nature, the sudden increase in urban and industrial growth has been completed with potentially hazardous waste. Sound is the electrical energy of the machine and can be converted into electrical energy through many provocative methods including heating using piezoelectric material and diaphragm. Other sounds are not preventable such as road noise, market noise, industry, train stations etc. and those unnecessary noises can be used to generate electricity.

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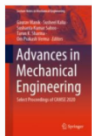
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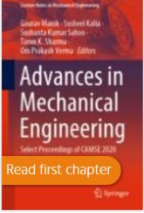
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Authors: K. S. Navya, B. V. Vishal, S. Kavitha, P. G. Mamatha
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Gayathri Jayaram

A microstructure exploration and compressive strength determination of red mud bricks prepared using industrial wastes

Authors MR Sudhir, M Beulah, P Sasha Rai, G Gayathri

Publication date 2021/1/1

Journal *Materials Today: Proceedings*

Volume 46

Pages 163-169

Publisher Elsevier

Description The consensual view among researchers concerning building with industrial by-products is that the utilization of by-products represents green technology and sustainable development. The current investigation focuses on the utilization of an assortment of by-products for the production of bricks. The by-products include Red Mud (RM), Fly ash (FA), and Ground Granulated Blast Furnace Slag (GGBS) combined in different proportions with lime. The Red Mud employed ranged from 100% to 60% with a decrement of 10%, whereas Fly ash and GGBS varied between 10% and 40% with an increment of 10%. Bricks produced from two methods namely, ambient curing and firing methods, were tested as per IS standards/ASTM norms, on both the materials and the composites of bricks. XRD, XRF, and SEM focused on both the raw materials and the composites. Because geopolymer materials are partially amorphous ...

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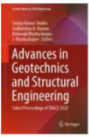
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