

Professional Societies Activities:

Indian Institute of Welding

The Indian Institute of Welding (IIW-India) was incorporated on the 22nd April, 1966 at Calcutta to foster the development of welding science, technology and engineering in India and since then has been serving the cause of the welding industry through its 13 branches / chapters throughout India. The institute is a non-profit making organization registered under Section 25 of the Company's Act 1956 and is also registered under Section 12A of the Income Tax Act 1961, as an Institution for charitable purpose. Through its various activities and programmes, IIW-India is now recognized as the premier Institute related to welding in the country with over 4500 Individual and Corporate Members. Further, as a member society of the International Institute of Welding, it is helping to project the importance and achievements of the Indian Welding Industry to the global community.

R&D:

| Name of the Author | Title of Paper | Name of the Journal | ISSN Number |
|---------------------------|--|---------------------|-------------|
| B V Krishnaiah | Modeling and Simulation of Direct Injection Diesel Engine to Analyze Combustion and Emission using KIVA 3V Code | IJAER | 0973-4562 |
| B V Krishnaiah | Performance and Emission Analysis of Porous media Combustion Chamber in Diesel Engines for different Fuel Blends | IJMET | 0976-6359 |
| Dr. CH.V.S.Parameswararao | Optimization of process parameters for machining of High Carbon High Chromium (HC-HCr) Steel with EDM | IJRSET | 2319-8753 |
| Dr. CH.V.S.Parameswararao | Experimental investigations on wire vibration, spark gap, MRR and surface roughness in WEDM of HC-HCR Steel | IJMET | 0976-6359 |
| Dr. CH.V.S.Parameswararao | Studies on characterization of AL6061/ MoS2 Metal Matrix Composite | IJMET | 0976-6359 |

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| Dr. CH.V.S.Pameswararao | Experimental Investigation of surface roughness and temperature on surface grinding of HC-HCr steel using dry and MQL technique | GJRE | 2249-4596 |
| E Pradeep Kumar | Finite Element Analysis and Fatigue Analysis of Spurgear under Random Loading | IJSETR | 2319-8885 |
| B V Krishnaiah | Experimental Study on Performance and Emission of Diesel Engine using Sunflower Oil-Diesel Blends as Fuel | IJETSR | 2394-3386 |
| Dr. CH.V.S.Pameswararao | Experimental Investigation on Optimization of the Controlling Factors for Machining Al 6061/MoS2 Metal Matrix Composites with Wire EDM | IJAER | 0973-4562 |
| Dr. CH.V.S.Pameswararao | Evaluation of Mechanical and Machining Properties of AL - SICP Metal Matrix Composite | IJETA | 2393-9516 |
| Mallikarjuna Makana | Trends in Mitral Valve Implantation – A Bio Mechanical Application. | IJARSE | 2319-8354 |
| Mallikarjuna Makana | Modeling and Analysis of Mitral Valve Implantation using Finite Element Analysis | IJARSE | 2319-8354 |
| Dr. CH.V.S.Pameswararao | Prediction and control of cutting parameters for machining Al-SiC MMC Material by Wire cut EDM Process | IJCST | 2347-8578 |
| V Suil kumar | Solar Still (Pyramid Type) | IJETA | 2393-9516 |
| V Sunil Kumar | Fabrication of Solar Powered Sugarcane Harvesting Machine | IJETA | 2393-9516 |
| AVL Mrudula | Heat Sink for Cell Phones | IJETA | 2393-9516 |
| E Pradeep Kumar | Design & Development of Plastic Recycling Machine | IJETA | 2393-9516 |
| AVL Mrudula | Helical Axis Wind Turbine | IJETA | 2393-9516 |
| E Pradeep Kumar | Mechanical Footstep Power | IJETA | 2393-9516 |

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| M Mallikarjuna | Pneumatic Lifting Table | IJETA | 2393-9516 |
| Y Murali Mohan | Fabrication of Rough Terrain Vehicle Using Rocker Bogie Mechanism | IJETA | 2393-9516 |
| Ch Vemaiah | Sprocket Side Stand Retrieval System | IJETA | 2393-9516 |
| K Manoj Kumar Reddy | Modeling and Manufacturing Of Path Following Robot with Spray Painting | IJETA | 2393-9516 |
| Ch Vemaiah | Design of a Thermo-acoustic Refrigeration System | IJETA | 2393-9516 |
| B Santhi | Home Made Air Conditioning | IJETA | 2393-9516 |
| B Santhi | Solenoid Engine | IJETA | 2393-9516 |
| B V Krishnaiah | Design & Fabrication of 360° Flexible Drilling Machine | IJETA | 2393-9516 |