

SĀDHANĀ

The Lead Journal in Engineering Sciences since 1978

Volume 41 ■ Number 5 ■ May 2016

Electrical and Computer Sciences

- 469 **M Rakshit • D Panigrahy • P K Sahu**
An improved method for R-peak detection by using Shannon energy envelope
- 479 **Saurabh Saxena • S Raghu Raman • B Saritha • Vinod John**
A novel approach for electrical circuit modeling of Li-ion battery for predicting the steady-state and dynamic I-V characteristics
- 489 **T R Rajalakshmi • R Sudhakar**
A novel carbon nanotube fet based bulk built-in current sensor for single event upset detection
- 497 **Min-Tsai Lai • Shih-Chih Chen**
A bivariate optimal replacement policy with cumulative repair cost limit under cumulative damage model
- 507 **Atul Bansal • Ravinder Agarwal • R K Sharma**
Statistical feature extraction based iris recognition system
- 519 **Pinar Kirci**
An optimization algorithm for a capacitated vehicle routing problem with time windows

Mechanical Sciences

- 531 **Deepika Rani • T R Gulati**
Uncertain multi-objective multi-product solid transportation problems
- 541 **Shiv Kumar • Abhay Kumar Singh**
Optimal time policy for deteriorating items of two-warehouse inventory system with time and stock dependent demand and partial backlogging
- 549 **Abhijit Sarkar • Prasenjit Dey • R N Rai • Subhas Chandra Saha**
A comparative study of multiple regression analysis and back propagation neural network approaches on plain carbon steel in submerged-arc welding
- 561 **Anirban De**
A novel design methodology for low pass filter stage of a voltage source inverter
- 571 **P L Ramkumar • Sachin D Waigaonkar • D M Kulkarni**
Effect of oven residence time on mechanical properties in rotomoulding of LLDPE