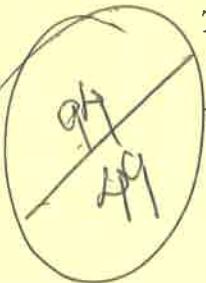


# SĀDHANĀ

The Lead Journal in Engineering Sciences since 1978



Volume 42 ■ Number 12 ■ December 2017

## Electrical and Computer Sciences

- 1987 **Senthilkumar Mathi • R Nivetha • B Priyadarshini • S Padma**  
A certificateless public key encryption based return routability protocol for next-generation IP mobility to enhance signalling security and reduce latency
- 1997 **Harendra Chahar • B N Keshavamurthy • Chirag Modi**  
Privacy-preserving distributed mining of association rules using Elliptic-curve cryptosystem and Shamir's secret sharing scheme
- 2009 **B Sathiya • T V Geetha • K Saruladha**  
PSOM<sup>2</sup>—partitioning-based scalable ontology matching using MapReduce
- 2025 **Sangita Bharkad • Manesh Kokare**  
Rotation-invariant fingerprint matching using radon and DCT
- 2041 **Osama S Younes**  
Securing ARP and DHCP for mitigating link layer attacks
- 2055 **Chidozie Chukwuemeka Nwobi-Okoye**  
Neuro-fuzzy model for evaluating the performance of processes using transfer function
- 2067 **Serap Ercan Cömert • Harun Reşit Yazgan • İrem Sertvuran • Hanife Şengül**  
A new approach for solution of vehicle routing problem with hard time window: an application in a supermarket chain
- 2081 **Sangram Panigrahi • Kesari Verma • Priyanka Tripathi**  
Data mining algorithms for land cover change detection: a review
- 2099 **Himanshu Misra • Amit Kumar Jain**  
Control of AC–DC grid side converter with single AC current sensor

## Mechanical Sciences

- 2113 **Rabi Narayan Mishra • Kanungo Barada Mohanty**  
Implementation of feedback-linearization-modelled induction motor drive through an adaptive simplified neuro-fuzzy approach

(continued on inside back cover)

Indexed in: Current Contents

Edited and published by Amitabh Joshi for the Indian Academy of Sciences, Bengaluru 560 080.  
Printed at Brilliant Printers Pvt. Ltd, Bengaluru 560 094.

Registered with Registrar of Newspapers in India, vide Regn No. 13242/57