SĀDHANĀ

Volume 40	
Number 6 (206)	Special Section on Applications of Data Sciences
2015	Guest Editors: C Bhattacharya and J Saketha Nath
1681	FOREWORD GO
1683	M Nandhini • S N Sivanandam An improved predictive association rule based classifier using gain ratio and T-test for health care data diagnosis
1701	Pratibha Singh • Ajay Verma • Narendra S Chaudhari Feature selection based classifier combination approach for handwritten Devanagari numeral recognition
1715	R Geetharamani • Lakshmi Balasubramanian Automatic segmentation of blood vessels from retinal fundus images through image processing and data mining techniques
1737	Saad Y Sait • Akshay Bhandari • Shreya Khare • Cyriac James • Hema A Murthy Multi-level anomaly detection: Relevance of big data analytics in networks
1769	R Praveena Priyadarsini • M L Valarmathi • S Sivakumari Attribute association based privacy preservation for multi trust level environment

K Veningston • R Shanmugalakshmi • V Nirmala

Semantic association ranking schemes for information retrieval applications using term association graph representation

(continued on inside back cover)

Indexed in: Current Contents

1793

Edited and published by R Ramaswamy for the Indian Academy of Sciences, Bangalore 560 080. Printed at Brilliant Printers Pvt. Ltd, Bangalore 560 094.

1821 **M Vishnu Sankar • Balaraman Ravindran**Parallelization of game theoretic centrality algorithms

Mechanical Sciences

- 1845 C Balachandar S Arunkumar M Venkatesan

 Computational heat transfer analysis and combined ANN–GA
 optimization of hollow cylindrical pin fin on a vertical base plate
- 1865 Ashish Singla Ashish Tewari Bhaskar Dasgupta
 Vibration suppression during input tracking of a flexible
 manipulator using a hybrid controller
- 1899 **Starvin M S Manisekar K**The effect of manufacturing tolerances on the load carrying capacity of large diameter bearings
- 1913 **H Dattu M Subbiah**On Reynolds stress and neutral azimuthal modes in the stability problem of swirling flows with radius-dependent density
- 1925 Malla Reddy Perati Rajitha Gurijala Investigation of torsional vibrations in thick walled hollow poroelastic cylinder using Biot's extension theory
- 1937 Avinash Kumar Agarwal Paras Gupta Atul Dhar Combustion, performance and emissions characteristics of a newly developed CRDI single cylinder diesel engine
- 1955 Hamed Farshbaf Aghajani Hossein Salehzadeh •
 Habib Shahnazari
 Stability analysis of sandy slope considering anisotropy effect in friction angle
- 1975 S Shanmugapriya K Subramanian
 Structural equation model to investigate the factors influencing quality performance in Indian construction projects
- 1989 Hossein Mohammadhosseini A S M Abdul Awal •
 Abdul Haq Ehsan
 Influence of palm oil fuel ash on fresh and mechanical properties of self-compacting concrete