Contents

Big Data: Security and Privacy

Privacy Protection or Data Value: Can We Have Both? ......................... 3
   Ken Barker

Open Source Social Media Analytics for Intelligence and Security Informatics Applications ............................................. 21
   Swati Agarwal, Ashish Sureka, and Vikram Goyal

Big Data in Commerce

Information Exploration in E-Commerce Databases ....................... 41
   Manish Singh

A Framework to Harvest Page Views of Web for Banner Advertising ...... 57
   P. Krishna Reddy

Utility-Based Control Flow Discovery from Business Process Event Logs ... 69
   Kritika Anand, Nisha Gupta, and Ashish Sureka

An Efficient Algorithm for Mining High-Utility Itemsets with Discount Notion ...................................................... 84
   Ruchita Bansal, Siddharth Dawar, and Vikram Goyal

Big Data: Models and Algorithms

Design of Algorithms for Big Data Analytics ............................... 101
   Raj Bhatnagar

Mobility Big Data Analysis and Visualization (Invited Talk) ............. 108
   Masashi Toyoda

Finding Periodic Patterns in Big Data ...................................... 121
   R. Uday Kiran and Masaru Kitsuregawa

VDMR-DBSCAN: Varied Density MapReduce DBSCAN ..................... 134
   Surbhi Bhardwaj and Subrat Kumar Dash

Concept Discovery from Un-Constrained Distributed Context ........... 151
   Vishal Goel and B.D. Chaudhary
Khanan: Performance Comparison and Programming α-Miner Algorithm in Column-Oriented and Relational Database Query Languages 165

Asthach, Kunal Gupta, and Ashish Sureka

A New Proposed Feature Subset Selection Algorithm Based on Maximization of Gain Ratio 181

Arpita Nagpal and Deepti Gaur

Big Data in Medicine

Genomics 3.0: Big-Data in Precision Medicine 201

Asoke K. Talukder

CuraEx - Clinical Expert System Using Big-Data for Precision Medicine 216

Mohamood Adhil, Santhosh Gandham, Asoke K. Talukder, Mahima Agarwal, and Prathalad Achutharao

Multi-omics Multi-scale Big Data Analytics for Cancer Genomics 228

Mahima Agarwal, Mohamood Adhil, and Asoke K. Talukder

Class Aware Exemplar Discovery from Microarray Gene Expression Data 244

Shivani Sharma, Abhinna Agrawal, and Dhaval Patel

Multistage Classification for Cardiovascular Disease Risk Prediction 258

Durga Toshniwal, Bharat Goel, and Hina Sharma

Author Index 267
Big Data Analytics
4th International Conference, BDA 2015, Hyderabad, India, December 15-18, 2015, Proceedings
Kumar, N.; Bhatnagar, V. (Eds.)
2015, XII, 267 p. 104 illus. in color., Softcover
ISBN: 978-3-319-27056-2