

# Contents

## **Part I Advanced Software Engineering and Cloud Computing**

<b>WebN: A Strainer Approach for Website Performance Analysis . . . . .</b>	<b>3</b>
Charmy Patel and Ravi Gulati	
<b>A Phase-wise Review of Software Security Metrics . . . . .</b>	<b>15</b>
Syed Anas Ansar, Alka and Raees Ahmad Khan	
<b>A Survey on Code Clone, Its Behavior and Applications. . . . .</b>	<b>27</b>
Aakanshi Gupta and Bharti Suri	
<b>Trust for Task Scheduling in Cloud Computing Unfolds It Through Fruit Congenial . . . . .</b>	<b>41</b>
Nidhi Bansal and Ajay Kumar Singh	
<b>Log-Based Cloud Forensic Techniques: A Comparative Study . . . . .</b>	<b>49</b>
Palash Santra, Asmita Roy, Sadip Midya, Koushik Majumder and Santanu Phadikar	
<b>An Automated Malicious Host Recognition Model in Cloud Forensics . . . . .</b>	<b>61</b>
Suchana Datta, Palash Santra, Koushik Majumder and Debashis De	
<b>Parallel Bat Algorithm-Based Clustering Using MapReduce. . . . .</b>	<b>73</b>
Tripathi Ashish, Sharma Kapil and Bala Manju	
<b>Predicting Strategic Behavior Using Game Theory for Secure Virtual Machine Allocation in Cloud . . . . .</b>	<b>83</b>
Priti Narwal, Shailendra Narayan Singh and Deepak Kumar	
<b>Low-Size Cipher Text Homomorphic Encryption Scheme for Cloud Data . . . . .</b>	<b>93</b>
Manish M. Potey, C. A. Dhote and Deepak H. Sharma	

<b>Relation Between Facebook Stories and Hours of a Day . . . . .</b>	<b>103</b>
Hradesh Kumar and Sanjeev Kumar Yadav	

## **Part II Image Processing and Computer Vision**

<b>Lagrangian Twin SVR Based Grayscale Image Watermarking Using LWT-QR Decomposition . . . . .</b>	<b>115</b>
Ashok Kumar Yadav, Rajesh Mehta and Raj Kumar	

<b>Difference in Lights and Color Background Differentiates the Color Skin Model in Face Detection for Security Surveillance . . . . .</b>	<b>127</b>
Dimple Chawla and Munesh Chandra Trivedi	

<b>Feature Extraction and Fuzzy-Based Feature Selection Method for Long Range Captured Iris Images . . . . .</b>	<b>137</b>
Anand Deshpande and Prashant P. Patavardhan	

<b>Information Retrieves from Brain MRI Images for Tumor Detection Using Hybrid Technique K-means and Artificial Neural Network (KMANN) . . . . .</b>	<b>145</b>
Manorama Sharma, G. N. Purohit and Saurabh Mukherjee	

<b>Comparative Analysis and Evaluation of Biclustering Algorithms for Microarray Data . . . . .</b>	<b>159</b>
Ankush Maind and Shital Raut	

<b>Unconstrained Iris Image Super Resolution in Transform Domain . . . . .</b>	<b>173</b>
Anand Deshpande and Prashant P. Patavardhan	

## **Part III Security**

<b>An Extension to Modified Harn Digital Signature Scheme with the Feature of Message Recovery . . . . .</b>	<b>183</b>
Shailendra Kumar Tripathi and Bhupendra Gupta	

<b>Security and Energy Analysis on Revised Mutual Authentication Protocol in WiMAX Networks . . . . .</b>	<b>195</b>
Jayashree Padmanabhan and Gunavathie Mariappan	

<b>Personal Verification Using Off-line Signature with Tree-based Features . . . . .</b>	<b>207</b>
Arun Kumar Shukla and Suvendu Kanungo	

<b>Generalized Parametric Model for AVK-Based Cryptosystem . . . . .</b>	<b>217</b>
Shaligram Prajapat, Adisha Porwal, Swati Jaiswal, Fatema Saiffee and R. S. Thakur	

<b>Implementation of Modified RSA Approach for Encrypting and Decrypting Text Using Multi-power and K-Nearest Neighbor Algorithm . . . . .</b>	<b>229</b>
Shikha Mathur, Deepika Gupta, Vishal Goar and Sunita Choudhary	
<b>Traditional and Hybrid Encryption Techniques: A Survey . . . . .</b>	<b>239</b>
Pooja Dixit, Avadhesh Kumar Gupta, Munesh Chandra Trivedi and Virendra Kumar Yadav	
<b>A Comparative Study of Recent Advances in Big Data for Security and Privacy . . . . .</b>	<b>249</b>
Ahlam Kourid and Salim Chikhi	
<b>Author Index . . . . .</b>	<b>261</b>

Networking Communication and Data Knowledge  
Engineering

Volume 2

Perez, G.M.; Mishra, K.K.; Tiwari, S.; Trivedi, M.C. (Eds.)

2018, XX, 262 p. 79 illus., Softcover

ISBN: 978-981-10-4599-8