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Preface

In the past few years, the computer science field has gone through several fundamental changes to make computing useful in all aspects of life. State-of-the-art techniques and computing paradigms based on research domains like big data, cloud computing, Internet of Things, and machine learning are working as key technologies to bring comfort and changes in one's life. This volume contains 64 papers presented at the International Conference on Advances in Computing and Data Sciences (ICACDS 2016) held during November 11–12, 2016, and hosted by The Department of Computer Science and Engineering, Krishna Engineering College, Ghaziabad (UP), India in association with Special Interest group on Cyber Forensics of Computer Society of India.

ICACDS 2016 was an attempt to bring together researchers working in these domains to share their knowledge and their work in front of others from around the world. The conference was organized specifically to help the researchers, academics, scientists and industry to derive benefits from the advances of next-generation computing technologies. Invited speakers presented the latest developments and technical solutions in the areas of advanced computing, communications, informatics, Internet of Things (IoT), and data sciences and big data.

The Program Committee of ICACDS 2016 is extremely grateful to the authors whose tremendous response to the call for papers resulted in over 500 papers being submitted in five tracks in Advanced Computing, Data Sciences, Internet of Things, Communications, and Informatics. All submitted papers went through a peer-review process and finally 64 papers were accepted for publication in Springer's CCIS series. We are highly thankful to our potential reviewers for their efforts extended in finalizing the high-quality papers.

The conference featured many distinguished personalities including Prof. Alexendar Horse Norta, Tallinn University of Technology, Tallinn, Estonia; Prof. Ramesh Bansal, University of Pretoria, South Africa; Prof. D.P. Mohaparta, NIT, Durgapur, India; Prof. S.K. Mishra, Majmaah University, Saudi Arabia; Prof. Arun Sharma, Indira Gandhi Delhi Technical University for Women, India; Mr. Anup Girdhar, CEO and Founder, Sedulity Solutions & Technology, India, among many others. We are very grateful for the participation of these speakers in making this conference a memorable event.

The Organizing Committee of ICACDS 2016 is indebted to Dr. Manoj Goel, CAO-KIET Group, Dr. Narendra Kumar, Director, and Prof. S.B. Bajpayee, Dean of Academic Affairs, for their confidence that they invested in us for organizing this international conference. We also wish to thank all faculty members and staff of KEC Ghaziabad for their support in organizing the conference and for making it a grand success.

We would also like to thank the authors of all submitted papers for their hard work, their adherence to the deadlines, and their patience with the review process. Our sincere thanks to CSI, CSI SIG on Cyber-forensics, and DRDO for sponsoring the event.

May 2017

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Contents

Advanced Computing

A Survey on Location Recommendation Systems	3
<i>Meera Narvekar, Snehal Nayak, and Jagdish Bakal</i>	
A Comparative Study and Performance Analysis of Classification Techniques: Support Vector Machine, Neural Networks and Decision Trees . . .	13
<i>Kumarshankar Raychaudhuri, Manoj Kumar, and Sanjana Bhanu</i>	
A Novel Technique for Segmenting Platelets by k-Means Clustering	22
<i>Kaushiki Roy, Ratnadeep Dey, Debotosh Bhattacharjee, Mita Nasipuri, and Pramit Ghosh</i>	
Additive Noise Removal by Combining Non Local Means Filtering and a Local Fuzzy Filter – A Fusion Approach.	30
<i>Raju G., Farha Fatima Wahid, and Sugandhi K.</i>	
An Incremental Verification Paradigm for Embedded Systems	40
<i>Hara Gopal Mani Pakala</i>	
Artificial Intelligence Based Recommender Systems: A Survey.	50
<i>Goldie Gabrani, Sangeeta Sabharwal, and Viomesh Kumar Singh</i>	
Assembling Swarm with Limited Visibility in Presence of Line Obstacles . . .	60
<i>Pratibha Tokas, Aravind Mekala, and Deepanwita Das</i>	
Clustering Proficient Students Using Data Mining Approach	70
<i>M.V. Ashok and A. Apoorva</i>	
Designing of a Gender Based Classifier for Western Music	81
<i>Anam Tasleem, Satbir Singh, Balwinder Singh, and Hitesh Pahuja</i>	
Detecting Malwares Using Dynamic Call Graphs and Opcode Patterns	91
<i>K.P. Deepta and A. Salim</i>	
Development of Secured Trust SLA Model from SLA Life Cycle Phases. . . .	102
<i>Manjula Shanbhog, Krista Chaudhary, Mayank Singh, and Shailendra Mishra</i>	
Dimensionality Reduction by Distance Covariance and Eigen Value Decomposition	112
<i>S. Nithya and A. Salim</i>	

Exploration of GBP2MP Network Performance for Next Generation Using Artificial Neural Network (ANN)	123
<i>Sanjeev Verma and Anita Thakur</i>	
Hybrid Segmentation Technique Using Wavelet Packet and Watershed Transform for Medical Images	132
<i>K. RajMohan, G. Thirugnanam, and P. Mangaiyarkarasi</i>	
Image Modelling: A Feature Detection Approach for Steganalysis.	140
<i>Anuj Rani, Manoj Kumar, and Payel Goel</i>	
Implementation of Medical Image Watermarking Technique Using FPGA . . .	149
<i>S. Sivakannan, G. Thirugnanam, and P. Mangaiyarkarasi</i>	
IoV: The Future of Automobiles	158
<i>Preethi Pattabiraman, R. Dhaya, B. Sasidhar, and R. Kanthavel</i>	
Measuring Branch Coverage for the SOA Based Application Using Concolic Testing.	165
<i>A. Dutta, S. Godbole, and D.P. Mohapatra</i>	
Mutation Analysis of Stateflow to Improve the Modelling Analysis.	173
<i>Prachi Goyal, Manju Nanda, and J. Jayanthi</i>	
Prioritization of Near-Miss Incidents Using Text Mining and Bayesian Network.	183
<i>Abhishek Verma, Deeshant Rajput, and J. Maiti</i>	
Security Integration in Big Data Life Cycle	192
<i>Kanika, Alka Agrawal, and R.A. Khan</i>	
Trust Based Energy Efficient Clustering Protocol in Wireless Sensor Networks for Military Applications	201
<i>T.P. Rani and C. Jayakumar</i>	
Using Morphological Features to Simplify Complex Sentences in Punjabi Language	210
<i>Sanjeev Kumar Sharma</i>	

Communications

A Comparative Study of Internet Protocols in MANET	221
<i>Shweta Singh and Arun Kumar Tripathi</i>	
A Novel Bulk Drain Connected 6T SRAM Cell	232
<i>Shobhit Kareer, Anchit Kumar, Kirti Gupta, and Neeta Pandey</i>	

Blood Pressure Control During Anaesthesia With and Without Transport Delay	243
<i>Varun Gupta, Abhas Kanungo, Piyush Chandra Ojha, and Pankaj Kumar</i>	
Brain-Bot: An Unmanned Ground Vehicle (UGV) Using Raspberry Pi and Brain Computer Interface (BCI) Technology.	252
<i>Vishal Chaurasia, Vikas Mishra, and Lokesh Jain</i>	
Contact Dynamics Emulation Using Leap Motion Controller	262
<i>Akshat Bhardwaj, Akshay Grover, Praveen Saini, and Mayank Singh</i>	
Dynamic Two Level Threshold Estimation for Zero Motion Prejudgment: A Step Towards Fast Motion Estimation	272
<i>Shaifali M. Arora and Kavita Khanna</i>	
Emerging Technologies, Applications and Futuristic Scope of Cognitive Vehicular Network for 5G Wireless Systems	282
<i>Zain Hashim and Nishu Gupta</i>	
Intuitionistic Fuzzy PROMETHEE Technique for Multi-criteria Decision Making Problems Based on Entropy Measure	290
<i>Pratibha Rani and Divya Jain</i>	
Ku Band Microstrip Rectangular Patch	302
<i>Praful Ranjan</i>	
Least Time Based Weighted Load Balancing Using Software Defined Networking	309
<i>Karamjeet Kaur, Sukhveer Kaur, and Vipin Gupta</i>	
QoS and QoE in Wireless Multicast Communication	315
<i>Mahendra Kumar Jangir and Karan Singh</i>	
Signed Social Networks: A Survey	326
<i>Nancy Girdhar and K.K. Bharadwaj</i>	
Text Document Clustering Based on Neural K-Mean Clustering Technique . . .	336
<i>Daljeet Kaur and Jagpuneet Kaur Bajwa</i>	

Informatics

An Accelerated Approach for Generalized Entropy Based MRI Image Segmentation	347
<i>Anushikha Jain, Maninder Singh Nehra, and Manoj Kuri</i>	

Automatic Face Naming Using Image Processing: A Review Study Based on Face Name Detection in Images or Videos	357
<i>Pragya Baluni, S.K. Verma, and Y.P. Raiwani</i>	
Directional Contourlet Based Multi-resolution Image Fusion Method for INSAT Images	369
<i>P. Santhi, G. Thirugnanam, and P. Mangaiyarkarasi</i>	
Feature Extraction Methods for Human Gait Recognition – A Survey	377
<i>Sugandhi K., Farha Fatina Wahid, and Raju G.</i>	
Modeling the Decline of Orkut with Popularity in Facebook.	386
<i>Tanuja Jha, Shilpi Burman Sharma, and Shubham Krishna Chaturvedi</i>	
Optimizing Support Vector Machines for Multi-class Classification	393
<i>J.K. Sahoo and Akhil Balaji</i>	
Scalable Online Analytics on Cloud Infrastructures	399
<i>Jyoti Sahni and Deo Prakash Vidyarthi</i>	
User Search Intention in Interactive Data Exploration: A Brief Review	409
<i>Archana Dhankar and Vikram Singh</i>	
Internet of Things	
A Novel Ultra Low Power Current Comparator	423
<i>Veepsa Bhatia and Neeta Pandey</i>	
A Secure Multi-owner Multi-copy Facility with Privacy Preserving on Public Storage Cloud Dynamic Data	433
<i>Priya Sontakke and Amrita Manjrekar</i>	
A Technique to Reduce Problem of Delay in Key Rekeying in Mobile Networks.	448
<i>Rajwinder Kaur and Karan Verma</i>	
Automated Learning Based Water Management and Healthcare System Using Cloud Computing and IoT	457
<i>Punit Gupta, Dilpreet Singh, Anuj Purwar, and Mohit Patel</i>	
Challenging Issues of Video Surveillance System Using Internet of Things in Cloud Environment.	471
<i>Dileep Kumar Yadav, Karan Singh, and Swati Kumari</i>	
Dynamic Orchestration Model for Complex Business Processes: An Application to e-SCMS	482
<i>Reena Gupta, Raj Kamal, and Ugrasen Suman</i>	

Efficient Vehicle Detection and Classification for Traffic Surveillance System	495
<i>Vijay Ukani, Sanjay Garg, Chirag Patel, and Hetali Tank</i>	
Graphical and Theoretical Approach of Thermodynamics in Cyclic Theory of Universe	504
<i>Nitin Chandola, Mayank Chaturvedi, Rohit Singh Rawat, and Yogesh Dhami</i>	
Supplier Performance Evaluation for Manufacturing Industries: Re-exploring with Big Data Analysis.	516
<i>Purnima Matta and Akash Tayal</i>	
Data Sciences	
A Distributed, Scalable Computing Facility for Big Data Analytics in Atmospheric Physics	529
<i>Reena Bharathi, S.C. Shirwaikar, and Vilas Kharat</i>	
Abstracting Communication Methodology in IoT Sensors to Eliminate Redundancy and Cycles.	541
<i>Sharad Saxena</i>	
Analysis of Application Layer Protocols in Internet of Things	550
<i>S. Sasirekha, S. Swamynathan, S. Chandini, and K. Keerthana</i>	
Classification of Emotions from Images Using Localized Subsection Information	562
<i>Abhishek Singh Kilak and Namita Mittal</i>	
Comparative Study of Classification Techniques for Weather Data	572
<i>Shweta Panjwani, S. Naresh Kumar, and Laxmi Ahuja</i>	
Content Based Component Retrieval Based on Neural Network (NN) Classification Method	577
<i>Rupali Garg and Jagpuneet Kaur Bajwa</i>	
Data Mining Classification Models for Industrial Planning	585
<i>Ricardo Bragança, Filipe Portela, A. Vale, Tiago Guimarães, and Manuel Santos</i>	
Designing a Smart-Contract Application Layer for Transacting Decentralized Autonomous Organizations.	595
<i>Alex Norta</i>	
Digitization of Ancient Manuscripts and Inscriptions - A Review	605
<i>N. Jayanthi, S. Indu, Snigdhaa Hasija, and Prateek Tripathi</i>	

Heart Disease Prediction System Using Random Forest	613
<i>Yeshvendra K. Singh, Nikhil Sinha, and Sanjay K. Singh</i>	
MapReduce Based Multilevel Association Rule Mining from Concept Hierarchical Sales Data	624
<i>Dinesh J. Prajapati and Sanjay Garg</i>	
Author Index	637