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Recent Trends in Image Processing and Pattern Recognition

Second International Conference, RTIP2R 2018
Solapur, India, December 21–22, 2018
Revised Selected Papers, Part III

Editors

K. C. Santosh
Department of Computer Science
University of South Dakota
Vermillion, SD, USA

Ravindra S. Hegadi
Solapur University
Solapur, India

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Preface

It is our great pleasure to introduce the collection of research papers in the *Communication in Computer and Information Science* (CCIS) Springer series from the second Biennial International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R). The RTIP2R conference event took place at the Solapur University, Maharashtra, India, during December 21–22, 2018, in collaboration with the Department of Computer Science, University of South Dakota (USA) and Universidade de Evora (Portugal). Further, the conference had a very successful workshop titled Pattern Analysis and Machine Intelligence (PAMI): Document Engineering to Healthcare, with more than 70 participants.

As announced in the Call For Paper, RTIP2R attracted current and/or recent research on image processing, pattern recognition, and computer vision with several different applications, such as document understanding, biometrics, medical imaging, and image analysis in agriculture. Altogether, we received 371 submissions and accepted 173 papers based on our thorough review reports. We followed a double-blind submission policy and therefore the review process was extremely solid. On average, there were at least three reviews per paper except the few that had desk rejections, and therefore we had 859 review reports. We also made the authors aware of plagiarism, and rejected a few of them even after making review reports.

During the event, we hosted more than 200 participants from more than 29 different countries, such as USA, Vietnam, Australia, Russia and Sri Lanka (not just limited to India). In brief, the event was found to be a great platform bringing together research scientists, academics, and industry practitioners throughout the world. We categorized the papers into five different tracks: (a) computer vision and applications; (b) machine learning and applications; (c) document analysis; (d) healthcare and medical imaging; (e) biometrics and applications; (f) data mining, information retrieval and applications; (g) image processing; and (h) image analysis in agriculture.

We also selected the best papers based on the review reports, review scores, and presentations at the conference, and provided authors an opportunity to publish their extended works in the following journals: (a) *Multimedia Tools and Applications* (Springer); (b) *International Journal of Ambient Computing and Intelligence* (IGI Global); and (c) *Journal of Healthcare Informatics Research* (Springer).

The conference event was full of new ideas, including keynote speeches that were from (a) Sameer Antani, National Institutes of Health; (b) Mohan Gundeti, University of Chicago Medicine; and (c) Ernest Cachia, University of Malta.

April 2019

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Contents – Part III

Document Image Analysis

| | |
|--|-----|
| Text Extraction Using Sparse Representation over Learning Dictionaries | 3 |
| <i>Thanh-Ha Do, Thi Minh Huyen Nguyen, and K. C. Santosh</i> | |
| Word Level Plagiarism Detection of Marathi Text Using N-Gram Approach. | 14 |
| <i>Ramesh R. Naik, Maheshkumar B. Landge, and C. Namrata Mahender</i> | |
| UHTelPCC: A Dataset for Telugu Printed Character Recognition | 24 |
| <i>Rakesh Kummari and Chakravarthy Bhagyati</i> | |
| On-Line Devanagari Handwritten Character Recognition Using Moments Features | 37 |
| <i>Shalaka Prasad Deore and Albert Pravin</i> | |
| Artistic Multi-character Script Identification Using Iterative Isotropic Dilation Algorithm | 49 |
| <i>Mridul Ghosh, Sk Md Obaidullah, K. C. Santosh, Nibaran Das, and Kaushik Roy</i> | |
| Recognition of Meitei Mayek Using Statistical Texture and Histogram Features | 63 |
| <i>Sanasam Inunganbi and Prakash Choudhary</i> | |
| Symbolic Approach for Word-Level Script Classification in Video Frames | 72 |
| <i>C. Sunil, K. S. Raghunandan, H. K. Chethan, and G. Hemantha Kumar</i> | |
| Development of Inter-primitive Grammar for Construction of Kannada Language Vowels and Consonants Based on Their Hierarchical Structures | 85 |
| <i>Basavaraj S. Anami and Deepa S. Garag</i> | |
| Automatic Recognition of Legal Amount Words of Bank Cheques in Devanagari Script: An Approach Based on Information Fusion at Feature and Decision Level. | 96 |
| <i>Mohammad Idrees Bhat and B. Sharada</i> | |
| OnkoGan: Bangla Handwritten Digit Generation with Deep Convolutional Generative Adversarial Networks | 108 |
| <i>Sadeka Haque, Shammi Akter Shahinoor, AKM Shahariar Azad Rabby, Sheikh Abujar, and Syed Akhter Hossain</i> | |

| | |
|--|-----|
| Breaking News Recognition Using OCR | 118 |
| <i>Ahmed Ridwan, Ajit Danti, S. P. Raghavendra, Hesham Abdo Ahmed Aqlan, and N. B. Arunkumar</i> | |
| Siamese Network for Learning Genuine and Forged Offline Signature Verification | 131 |
| <i>Amruta B. Jagtap, Dattatray D. Sawat, Ravindra S. Hegadi, and Rajendra S. Hegadi</i> | |
| Multi-scale Local Binary Patterns- A Novel Feature Extraction Technique for Offline Signature Verification | 140 |
| <i>Bharathi Pilar, B. H. Shekar, and D. S. Sunil Kumar</i> | |
| Ekush: A Multipurpose and Multitype Comprehensive Database for Online Off-Line Bangla Handwritten Characters | 149 |
| <i>AKM Shahariar Azad Rabby, Sadeka Haque, Md. Sanzidul Islam, Sheikh Abujar, and Syed Akhter Hossain</i> | |
| ShonkhaNet: A Dynamic Routing for Bangla Handwritten Digit Recognition Using Capsule Network | 159 |
| <i>Sadeka Haque, AKM Shahariar Azad Rabby, Md. Sanzidul Islam, and Syed Akhter Hossain</i> | |
| Reader System for Transliterate Handwritten Bilingual Documents | 171 |
| <i>Ranjana S. Zinjore and R. J. Ramteke</i> | |
| Recognition of Marathi Numerals Using MFCC and DTW Features | 183 |
| <i>Siddheshwar S. Gangonda, Prashant P. Patavardhan, and Kailash J. Karande</i> | |
| A Filter Based Feature Selection for Imbalanced Text Classification | 194 |
| <i>K. Swarnalatha, D. S. Guru, Basavaraj S. Anami, and N. Vinay Kumar</i> | |
| A Combined Architecture Based on Artificial Neural Network to Recognize Kannada Vowel Modifiers | 206 |
| <i>Siddhaling Urolagin</i> | |
| English Character Recognition Using Robust Back Propagation Neural Network | 216 |
| <i>Shrinivas R. Zanwar, Abhilasha S. Narote, and Sandipan P. Narote</i> | |
| Recognition of Signature Using Neural Network and Euclidean Distance for Bank Cheque Automation | 228 |
| <i>S. P. Raghavendra and Ajit Danti</i> | |
| A Semi-automatic Methodology for Recognition of Printed Kannada Character Primitives Useful in Character Construction | 244 |
| <i>Basavaraj S. Anami and Deepa S. Garag</i> | |

| | |
|---|-----|
| Distance Based Edge Linking (DEL) for Character Recognition | 261 |
| <i>Parshuram M. Kamble, Ravindra S. Hegadi, and Rajendra S. Hegadi</i> | |
| Image Analysis in Agriculture | |
| Analysis of Segmentation and Identification of Square-Hexa-Round-Holed Nuts Using Sobel and Canny Edge Detector. | 271 |
| <i>Dayanand G. Savakar, Ravi Hosur, and Deepa Pawar</i> | |
| 3D Reconstruction of Plants Under Outdoor Conditions Using Image-Based Computer Vision. | 284 |
| <i>Abhipray Paturkar, Gaurab Sen Gupta, and Donald Bailey</i> | |
| Automated Soil Tester. | 298 |
| <i>P. Kovelan, T. Kartheeswaran, and N. Thisenthira</i> | |
| Crop Discrimination Based on Reflectance Spectroscopy Using Spectral Vegetation Indices (SVI) | 312 |
| <i>Rupali R. Surase, Karbhari V. Kale, Mahesh M. Solankar, Amarsinh B. Varpe, Hanumant R. Gite, and Amol D. Vibhute</i> | |
| Use of Spectral Reflectance for Sensitive Waveband Determination for Soil Contents. | 323 |
| <i>Chitra M. Gaikwad and Sangeeta N. Kakarwal</i> | |
| Image Processing Based Vegetation Cover Monitoring and Its Categorization Using Differential Satellite Imageries for Urmodi River Watershed in Satara District, Maharashtra, India. | 329 |
| <i>Wasim A. Bagwan and Ravindra S. Gavali</i> | |
| Discrimination Between Healthy and Diseased Cotton Plant by Using Hyperspectral Reflectance Data. | 342 |
| <i>Priyanka Uttamrao Randive, Ratnadeep R. Deshmukh, Pooja V. Janse, and Rohit S. Gupta</i> | |
| An Automated Model to Measure the Water Content of Leaves | 352 |
| <i>I. A. Wagachchi, B. B. D. S. Abeykoon, R. D. K. Rassagala, D. P. Jayathunga, and T. Kartheeswaran</i> | |
| Estimation of Crop Chlorophyll Content by Spectral Indices Using Hyperspectral Non-imaging Data. | 363 |
| <i>Pooja Vinod Janse, Ratnadeep R. Deshmukh, Jaypalsing N. Kayte, and Priyanka U. Randive</i> | |
| MFDS-m Red Edge Position Detection Algorithm for Discrimination Between Healthy and Unhealthy Vegetable Plants. | 372 |
| <i>Anjana Ghule, R. R. Deshmukh, and Chitra Gaikwad</i> | |

| | |
|--|-----|
| Evaluation of Pretreatment Methods for Prediction of Soil Micronutrients from Hyperspectral Data | 380 |
| <i>Shruti U. Hiwale, Amol D. Vibhute, and Karbhari V. Kale</i> | |
| Role of Lens Position and Illumination Source for Acquiring Non-imaging Hyperspectral Data to Estimate Biophysical Characteristics of Leaves | 391 |
| <i>Amarsinh Bhimrao Varpe, Rupali R. Surase, Amol D. Vibhute, Dhananjay B. Nalawade, and Karbhari V. Kale</i> | |
| Effect of Time on Aluminium Oxide FESEM Nanopore Images Using Fuzzy Inference System | 397 |
| <i>Parashuram Bannigidad, Jalaja Udoshi, and C. C. Vidyasagar</i> | |
| Infrared Image Pedestrian Detection Techniques with Quantitative Analysis | 406 |
| <i>Rajkumar Soundrapandiyam, K. C. Santosh, and P. V. S. S. R. Chandra Mouli</i> | |
| Classifying Arabic Farmers' Complaints Based on Crops and Diseases Using Machine Learning Approaches | 416 |
| <i>Mostafa Ali, D. S. Guru, and Mahamad Suhil</i> | |
| Neural Network Modeling and Prediction of Daily Average Concentrations of PM ₁₀ , NO ₂ and SO ₂ | 429 |
| <i>Sateesh N. Hosamane</i> | |
| Smart Irrigation and Crop Yield Prediction Using Wireless Sensor Networks and Machine Learning. | 443 |
| <i>D. L. Shanthi</i> | |
| Evaluation and Analysis of Plant Classification System Based on Feature Level Fusion and Score Level Fusion | 453 |
| <i>Pradip Salve, Pravin Yannawar, and Milind Sardesai</i> | |
| Assessment of Rainfall Pattern Using ARIMA Technique of Pachmarhi Region, Madhya Pradesh, India. | 471 |
| <i>Papri Karmakar, Aniket A. Muley, Govind Kulkarni, and Parag U. Bhalchandra</i> | |
| Land Use and Cover Mapping Using SVM and MLC Classifiers: A Case Study of Aurangabad City, Maharashtra, India | 482 |
| <i>Abdulla A. Omeer, Ratnadeep R. Deshmukh, Rohit S. Gupta, and Jaypalsing N. Kayte</i> | |
| Impact of Dimensionality Reduction Techniques on Endmember Identification in Hyperspectral Imagery | 493 |
| <i>Mahesh M. Solankar, Hanumant R. Gite, Rupali R. Surase, Dhananjay B. Nalawade, and Karbhari V. Kale</i> | |

| | |
|---|-----|
| Landslide Susceptibility Zonation (LSZ) Using Machine Learning Approach for DEM Derived Continuous Dataset. | 505 |
| <i>Muskan Jhunjhunwalla, Sharad Kumar Gupta, and Dericks P. Shukla</i> | |
| Design and Development of Ground Truth Collection Platform Using Android and Leaflet Library | 520 |
| <i>Sandeep V. Gaikwad, Amol D. Vibhute, Karbhari V. Kale, Dhanajay B. Nalawade, and Monali B. Jadhav</i> | |
| Automatic Classification of Normal and Affected Vegetables Based on Back Propagation Neural Network and Machine Vision. | 529 |
| <i>Manohar Madgi and Ajit Danti</i> | |
| Data Mining, Information Retrieval and Applications | |
| Data Mining Learning of Behavioral Pattern of Internet User Students. | 541 |
| <i>Aniket Muley and Atish Tangawade</i> | |
| Research Challenges in Big Data Security with Hadoop Platform | 550 |
| <i>M. R. Shrihari, T. N. Manjunath, R. A. Archana, and Ravindra S. Hegadi</i> | |
| Mining Frequent Patterns in Firewall Logs Using Apriori Algorithm with WEKA | 561 |
| <i>Hajar Esmaeil As-Suhbani and S. D. Khamitkar</i> | |
| Application of Decision Tree for Predictive Analysis of Student's Self Satisfaction with Multivariate Parameters | 572 |
| <i>Aniket Muley, Parag Bhalchandra, and Govind Kulkarni</i> | |
| Simplified Deterministic Finite Automata Construction Algorithm from Language Specification | 580 |
| <i>Darshan D. Ruikar, Amruta D. Ruikar, Suhas G. Kulkarni, and Ravindra S. Hegadi</i> | |
| Review on Natural Language Processing Trends and Techniques Using NLTK | 589 |
| <i>Deepa Yogish, T. N. Manjunath, and Ravindra S. Hegadi</i> | |
| A Deep Recursive Neural Network Model for Fine-Grained Opinion Classification | 607 |
| <i>Ramesh S. Wadawadagi and Veerappa B. Pagi</i> | |
| Effective Emoticon Based Framework for Sentimental Analysis of Web Data. | 622 |
| <i>Shoieb Ahamed and Ajit Danti</i> | |
| Website Analysis: Search Engine Optimization Approach. | 634 |
| <i>Vijaykumar Sambhajirao Kumbhar and Kavita S. Oza</i> | |

| | |
|--|------------|
| Efficient Feature Selection Based on Modified Cuckoo Search Optimization Problem for Classifying Web Text Documents | 640 |
| <i>Ankita Dhar, Niladri Sekhar Dash, and Kaushik Roy</i> | |
| Detection of Sarcasm from Consumer Sentiments on Social Media About Luxury Brands | 652 |
| <i>V. Haripriya and Poornima G. Patil</i> | |
| Question Answer Based Chart Summarization | 668 |
| <i>Aditi Deshpande and Namrata Mahender</i> | |
| Online Behavior Patterns of Terrorists: Past and Present | 678 |
| <i>Dhanashree Deshpande, Shrinivas Deshpande, and Vilas Thakare</i> | |
| Author Impression on Dependent Authors Using Wordtovector Method. | 689 |
| <i>Maheshkumar B. Landge, Ramesh R. Naik, and C. Namrata Mahender</i> | |
| Correlation Based Real-Time Data Analysis of Graduate Students Behaviour | 696 |
| <i>Shankar M. Patil and A. K. Malik</i> | |
| Compression Based Modeling for Classification of Text Documents | 707 |
| <i>S. N. Bharath Bhushan and Ajit Danti</i> | |
| Detecting Depression in Social Media Posts Using Machine Learning | 716 |
| <i>Abhilash Biradar and S. G. Totad</i> | |
| Big-Five Personality Traits Based on Four Main Methods | 726 |
| <i>P. Hima and M. Shanmugam</i> | |
| A Review on Utilizing Bio-Mimetics in Solving Localization Problem in Wireless Sensor Networks | 735 |
| <i>R. I. Malar and M. Shanmugam</i> | |
| Correction to: Recent Trends in Image Processing and Pattern Recognition. | C1 |
| <i>K. C. Santosh and Ravindra S. Hegadi</i> | |
| Author Index | 747 |