Department of Computer Science
School of Computational Sciences
Solapur University, Solapur

2018 rtip2r

In collaboration with

UNIVERSIDADE DE ÉVORA

Universidade de Évora, PORTUGAL

and

UNIVERSITY OF SOUTH DAKOTA

University of South Dakota, USA

Organizing

2nd International Conference

on

**Recent Trends in
Image Processing and
Pattern Recognition**

On 21st and 22nd December, 2018

CONFERENCE SCHEDULE

Springer

International Conference on
Recent Trends in Image Processing
and Pattern Recognition (RTIP2R), 2018

Incollaboration with
University of South Dakota (USA) and
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CONFERENCE SCHEDULE

Date: 21st December, 2018

Time		Event
8.30 AM	9.30 AM	Registration and breakfast
9.30 AM	10.50 AM	Presentation session-I
11.00 AM	12.00 Noon	Inauguration
12.00 Noon	12.15 PM	Tea break
12.15 PM	1:15 PM	Keynote speech I: Dr. Sameer Antani
1.15 PM	2.00 PM	Lunch
2.00 PM	3.00 PM	Keynote speech II: Dr. Mohan Gundeti
3.00 PM	4.00 PM	Keynote speech III: Dr. Ernest Cachia
4.00 PM	4.15 PM	Tea break
4.15 PM	5.45 PM	Presentation session-II
5.45 PM	7.00 PM	Panel discussion
7.00 PM	8.00 PM	Cultural event
8.00 PM		Conference banquet

Date: 22nd December, 2018

Time		Event
8.00 AM	9.00 AM	Registration and breakfast
9.00 AM	10.30 AM	Presentation session-III
10.30 AM	11.15 AM	Keynote speech VI: Dr. Praveen Shrikhande
11.15 AM	11.30 AM	Tea break
11.30 AM	1.00 PM	Presentation session-IV
1.00 PM	1.45 PM	Lunch
1.45 PM	2.30 PM	Keynote speech V: Dr. Ud hav Bhosle
2.30 PM	4.00 PM	Presentation session-V
4.00 PM	5.00 PM	Valedictory function
5.00 PM	5.30 PM	High tea

Venue s for presentation : The rooms 202 (First Floor) , 205 (First Floor) , 302 (Second Floor) , 303 (Second Floor), 305 (Second Floor) are in School of Computational Sciences building.

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Date: 21/12/2018

Time		Keynote speaker	Session chair	Venue
12.15 PM	1:15 PM	Dr. Sameer Antani	Dr. Ernest Cachia	Auditorium
2.00 PM	3.00 PM	Dr. Mohan Gundeti	Dr. Sameer Antani	Auditorium
3.00 PM	4.00 PM	Dr. Ernest Cachia	Dr. D. S. Guru	Auditorium

- Dr. Sameer Antani, Deputy branch chief, National Library of Medicine (NLM), staff scientist National Library of Medicine (NLM)/ National Institute of Health (NIH).
- Dr. Mohan S. Gundeti, MD, Pediatric Urology, Professor of Surgery, Pediatrics and Obstetrics and Gynecologym Director, Pediatric Urology, university of Chicago Medicine
- Dr. Ernest Cachia, Professor and Dean of the Faculty of Information and Communication Technology, Head of the Department of Computer Information Systems, as well as the Chairman of the Institute of Aerospace Technologies at the University of Malta
- Dr. D S Guru, Professor at Department of Studies in Computer Science, University of Mysore, Karnataka, India

Date: 22/12/2018

Time		Keynote speaker	Session chair	Venue
10.30 AM	11.15 PM	Dr. Praveen Shrikhande	Dr. B. V. Dandra	Auditorium
1.45 PM	2.30 PM	Dr. Udav Bhosle	Dr. P. S. Hiremath	Auditorium

- Dr. Udhav Bhosle, vice- chancellor, Swami Ramanand Teerth Marathwada University, M.S., India
- Dr. Praveen Shrikhande, Joint President (Group IT) at Aditya Birla Group, Mumbai, Maharashtra, India
- Dr. B.V. Dandra, Professor of Computer Science, symbiosis institute of computer studies and research, Pune, Maharashtra, India
- Dr. P.S. Hiremath, Professor, Department of Computer Science (MCA), KLE Technological University, BVBCET Campus, Hubli, Karnataka, India

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Date: 21/12/2018
Session-I
Time: 09.30 AM – 10.50 AM

Track	Track name	Papers	Session chair & co -chair	Venue
1	Computer vision	6	Dr. Ajit Danti , Dr. P. M. Pawar	202
2	Computer vision	6	Dr. Kaushik Roy , Dr. Ramesh R. Manza	205
3	Document analysis	6	Dr. Lalit Garg , Dr. S achin R. Gengaje	302
4	Healthcare and medical imaging	6	Dr. Sachin Jamma, Dr. K. C. Santosh	303
5	Natural language processing	6	Dr. Nibaran Das , Dr. Parashuram Bannigidad	305
6	Pattern recognition	6	Dr. Mallikarjun Hangarge , Dr. S. D. Raut	Auditorium

- Dr. Rajendra Hegadi, faculty in the Department of Computer Science and Engineering, Indian Institute of Information Technology, Dharwad, Karnataka, India
- Dr. Kaushik Roy, Professor, West Bengal State University, Barasat (WBSUB), Kolkata, india
- Dr Lalit Garg, Senior Lecturer, Faculty of Information & Communication Technology, University of Malta, Msida
- Dr. Sachin R. Gengaje Professor & Head of the Department, WIT, Solapur India
- Dr. Sachin Jamma, Professor of Surgery, Ashwini Rural Medical College, Solapur, Maharashtra, India
- Dr. K.C. Santosh, IEEE Senior Member Assistant Professor & Graduate Program Coordinator, Department of Computer Science, The University of South Dakota (USD), Associate Editor, Int. J. of Machine Learning & Cybernetics, Springer
- Dr. Parashuram Bannigidad, Assistant Professor and Research Supervisor, School of Mathematics and Computing Science, Department of Computer Science, Rani Channamma University, Karnataka, India
- Dr. Mallikarjun Hangarge, Associate Professor, Department of Computer Science, Karnatak Arts, Science and Commerce College, Bidar, Karnataka, India
- Dr. S. D. Raut, Assistant Professor, Department of Computer Science, School of Computational Sciences, Solapur University, Solapur, India.

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Date: 21/12/2018
Session-II
Time: 04.15 PM – 05.45 PM

Track	Track name	Papers	Session chair & co-chair	Venue
1	Biometrics	6	Dr. Ramesh Manza , Dr. Rajendra Hegadi	202
2	Computer vision	6	Dr. Shankar Nawale, Dr. Ajit Danti	205
3	Data mining	5	Dr. Bharati Gawali, Dr. Nitta Gnaneswara Rao	302
4	Document analysis	6	Dr. Nibaran Das , Dr. P M Kambale	303
5	Image analysis	6	Dr. K. J. Karande, Dr. Lalit Garg	305
6	Machine learning	6	Dr. V. T. Humbe , Dr. Parashuram Bannigidad	Auditorium

- Dr. Ajit Danti, Professor, Department of Computer Science & Engineering, Christ University, Bangalore, Karnataka, India
- Dr. P. M. Pawar Professor and Head of Civil Department, SVERI's College of Engineering, Pandharpur, Maharashtra, India
- Dr. Shankar D. Nawale, Professor and Principal N B Navale Sinhgad College of Engineering, Kegaon, Solapur, Maharashtra, India
- Dr. Bharati Gawali, Professor and Head Department of Computer Science & Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra, India
- Dr. Nitta Gnaneswara Rao, Professor and Head in CSE Dept. in Vignan University, Vadlamudi, Guntur, Karnataka, India
- Dr. Parshuram. M. Kamble, Assistant Professor, Department of Computer Science, School of Computational Sciences, Solapur University, Solapur, India
- Dr. K. J. Karande, Principal, SKNSCOE, Pandharpur, Maharashtra, India
- Dr. Vikas T. Humbe, Assistant Professor, School of Technology, Swami Ramanand Teerth Marathwada University, Sub-Campus Latur, Maharashtra, India
- Dr. Nibaran Das, Asst. Professor at Jadavpur University, Kolkata, West Bengal, India
- Dr. Ramesh R. Manza, Associate Professor, Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Publication

Regular proceedings:
- Communications in Computer and Information Science (CCIS), Vol. 862, Springer

Journal issues (Extension):
- Multimedia Tool and Applications, Springer
- International Journal of Ambient Computing and Intelligence , IGI global
- Journal of Healthcare Informatics Research, Springer

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Date: 22/12/2018
Session-III
Time: 09.00 AM – 10.30 AM

Track	Track name	Papers	Session chair & co-chair	Venue
1	Computer vision	6	Dr. Aniket Muley , Miss. Amruta Jagtap	202
2	Data mining	6	Dr. Majunath T.N. , Dr. Jyoti Biradar(Patil)	205
3	Machine learning	6	Dr. V. B. Ghute P. , Dr. R. S. Mente	302
4	Healthcare and medical imaging	6	Dr. Ravindra S. Gav ali, Dr. R. K. Dhumal	303
5	Image analysis	6	Dr. Aziz Makandar, Dr. M. Ravikumar	305
6	Healthcare and medical imaging	6	Dr. V. T. Humbe , Mr. D. D. Sawat	Auditorium

- Dr. Aniket Muley, Assistant Professor and I/C. Head, Department of Statistics, School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, M.S., India
- Miss. Amruta. B. Jagtap, Research Scholar, Department of Computer Science, School of Computational Sciences, Solapur University, Solapur, India.
- Dr. Manjunath. T. N, Professor and Head in the Department of Information Science and Engineering at BMS Institute of Technology and Management, Bengaluru, Karnataka, India
- Dr. Jyoti G. Biradar (Patil), Asst. Professor, department of computer science, Rani Channamma University, Belagavi, Karnataka, India
- Dr. V. B. Ghute, I/C Registrar, Professor & Director, School of computational sciences, Solapur University, Solapur, Maharashtra, India
- Mr. Dattatray D. Sawat, research scholar, School of computational sciences, Solapur University, Solapur, Maharashtra, India
- Dr. Ravindra S. Gavali, Professor & Head, Centre for Natural Resource Management (CNRM), I/C Head, Centre for Climate Change & Disaster Mitigation, National Institute of Rural Development & Panchayati Raj

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Date: 22/12/2018
Session-IV
Time: 11.30 AM – 01.00 PM

Track	Track name	Papers	Session chair & co-chair	Venue
1	Biometrics	5	Dr. V. T. Humbe, Mr. Ashok. R. Shinde	202
2	Computer vision	5	Dr. K. B. Ramesh, Mr. Ravi M	205
3	Document analysis	7	Dr. Prakash Khanale, Dr. Aniket Muley	302
4	Image analysis	6	Dr. S. S. Patil, Mr. Basavpr asad B.	303
5	Healthcare and medical imaging	6	Dr. Prema Akkashaligar, Mr. D . D. Ruikar	305
6	Healthcare and medical imaging	6	Dr. Kartheeswaran Thangathurai , Dr. Jyoti Biradar (Patil)	Auditorium

- Mr. Ashok Shinde, Assistant Professor, Department of Computer Science, School of Computational Sciences, Solapur University, Solapur, India.
- Dr. K. B. Ramesh, Associate Professor & Head, Department of electronics and instrumentation engineering, RV College of Engineering, Belgavi, Karnataka, India
- Mr. Ravi M, Asst. Professor, Govt. First Grade College, Raichur, Karnataka, India
- Dr. Prakash Khanale, Professor, Department of Electronics, Dnyanopasak Shikshan Mandal's College of Arts, Commerce and Science, Parbhani, Maharashtra India
- Dr. S. S. Patil, Professor of Computer Science, and Head, Department of Agricultural Statistics, Applied Mathematics & Computer Science, University of Agricultural Sciences, Bangalore, Karnataka, India
- Mr. Basavaprasad B., Asst. Professor, Govt. First Grade College, Raichur, Karnataka, India
- Dr. Prema Akkashaligar, Professor, Dept. of CSE, BLDEA's V.P. Dr. P. G. Halakatti College of Engineering and Technology ,Vijayapur, India
- Mr. Darshan D. Ruikar, research scholar, School of computational sciences, Solapur University, Solapur, Maharashtra, India
- Kartheeswaran Thangathurai, Professor, Vavuniya Campus of the University of Jaffna

Date: 22/12/2018
Session-V
Time: 02.30 PM – 04.00 PM

Track	Track name	Papers	Session chair & co-chair	Venue
1	Pattern recognition and machine learning in agriculture	7	Dr. Jyotsana Sharma , Dr. S. S. Patil	202
2	Computer vision	6	Dr. Amol D. Vibhute, Mr. Ravi M	205
3	Machine learning	5	Dr. Rajesh K. Dhuma l, Mr. D. I. Navale	302
4	Healthcare and medical imaging	6	Dr. Kartheeswaran Thangathurai, Dr. SK MD Obaidullah	303
5	Image analysis	6	Dr. Prema Akkashaligar, Dr. Parshuram M. Kamble	305
6	Signal processing	3	Dr. V. B. Patil, Dr. Ravindra S. Gavali	Auditorium

- Dr. (Mrs.) Jyotsana Sharma, Acting Director and Principal Scientist at National Research Centre on Pomegranate at Solapur
- Dr. Amol D. Vibhute, Assistant Professor, Department of Computer Science, School of Computational Sciences, Solapur University, Solapur, India.
- Mr. D. I. Navale, Research Scholar, Department of Computer Science, School of Computational Sciences, Solapur University, Solapur, India.
- Dr. SK MD Obaidullah, Dept. of Computer Science & Engineering, Aliah University, Kolkata, India
- Dr. V. B. Patil, OSD Aca, Res, & Dev, Professor school of physical sciences, Solapur university, Solapur, Maharashtra, India

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Session: I
Track: 1

SN	PId	Title	Presenter
1	18	Classification of vehicle make and model based on geometric features and appearance based attributes under complex background	Arunkumar K L
2	220	Content based video retrieval using SURF, BRISK and HARRIS features for query-by-image	Tejaswi Potluri *
3	30	An adaptive and dynamic dimensionality reduction method for efficient retrieval of videos	Praveen M D
4	33	Automatic classification of normal and affected vegetables based on back propagation neural network and machine vision	Manohar Madgi
5	35	Novel technique for recognition of breaking news from television using OCR technique	Ahmed Ridwan Ahme Shamsan
6	37	Scale invariant texture representation using galois field for image classification	Medha Kudari

Session: I
Track: 2

SN	P Id	Title	Presenter
1	38	An experiment with statistical region merging and seeded region growing image segmentation techniques	Anuja Deshpande
2	72	Analysis of segmentation and identification of square -hexa-round-holed nuts using Sobel and Canny edge detector	Ravi Hosur
3	73	Material classification using color and texture features	Shubhangi Sapkale
4	292	Pre-processing an d segmentation of retina images for blood vessel extraction	Ambaji S.Jadhav
5	354	Bit-plane specific selective histogram equalization for image enhancement and representation	Ram Ratan*
6	349	Image fusion technique using Gaussian pyramid	Dr. Gnaneswara Rao Nitta

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Session: I
Track: 3

SN	PId	Title	Presenter
1	22	Recognition of signature using neural network and Euclidean distance for bank cheque automation	Raghavendra S P
2	47	Artistic multi -character script identification using iterative isotropic dilation algorithm	Mridul hosh
3	76	A semi -automatic methodology for recognition of printed Kannada character primitives useful in character construction	Deepa
4	78	Development of inter -primitive grammar for construction of Kannada language vowels and co nsonants based on their hierarchical structures	Deepa
5	283	Reader system for transliterate handwritten bilingual documents	Zinjore Ranjana Sitaram
6	249	English character recognition using robust back propagation neural network	Shrinivas R. Zanwar

Session: I
Track: 4

SN	PId	Title	Presenter
1	246	Histo-pathological image classification: defying deep architectures on complex data	Suvidha Tripathi
2	82	Comparison with evaluation of intra ocular pressure using different segmentation techniques for glaucoma diagnosis	Dr. Dnyaneshwari D. Patil
3	13	Skewness and kurtosis of apparent diffusion coefficient in human brain lesions to distinguish benign and malignant using MRI.	H.H.T.S.M Vijithananda
4	316	Exudates detection from digital fundus images using GLCM features with decision tree classifier	Asmita Deshpande
5	347	Review on natural language processing trends and techniques using NLTK	Deepa Yogish*
6	34	Visualizing salient network activations in convolutional neural networks for medical image modality classification	Sameer Antani

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Session: I
Track: 5

SN	PId	Title	Presenter
1	2	Detecting depression in social media posts using machine learning	Abhilash Biardar *
2	26	Effective emoticon based machine learning framework for sentimental analysis of web data	Shoieb Ahamed
3	41	Lazy learning based segregation of top-3 south Indian languages with LSF-A feature	Sk Md Obaidullah
4	103	Author impression on dependent authors using word to vector method	Maheshkumar B. Landge
5	247	Designing a marketing strategy for luxury brands by analyzing consumer sentiments and detecting positive sarcasm from social media	Haripriya V *
6	338	Online behaviour patterns of terrorists: past & present	Dhanshri Deshpande

Session: I
Track: 6

SN	PId	Title	Presenter
1	21	A novel approach for detection and recognition of traffic sign for automatic driver assistance system under cluttered background	Manjunath H T
2	75	LBP-Haar cascade based real -time pedestrian protection system using raspberry pi	Rohan Anil Gupta
3	164	Temporal super pixel based convolutional neural network (TS - CNN) for human activity recognition in unconstrained videos	Laxmipriya*
4	203	Bird species detection and classification based on hog feature using convolutional neural network	Susantokumar Ghosh*
5	289	Real time hand gesture recognition for differently - abled using machine learning	Gireesh Babu C N
6	151	A filter based feature selection for imbalanced text classification	Suvarnlata K

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Session: II
Track: 1

SN	P Id	Title	Presenter
1	101	Biometric recognition system based on minutiae on the dorsal hand vein	Sontakke Balaji Madhavrao
2	254	Incept-n: a convolutional neural network based classification approach for predicting nationality from facial features	Masum Shah Junayed
3	300	SOM-VLAD bas ed feature aggregation for face recognition using key point fusion	Arnav Ajay Deshpande
4	89	Design and development of new algorithm for person identification based on iris statistical features and retinal blood vessels bifurcation points	Dr. Yogesh M. Ra jput
5	346	A class specific representation learning for illumination tolerant face recognition	Tiash Ghosh
6	355	User specific semi -automatic multimodal biometric system based on dynamic fusion	Mrunal Pathak

Session: II
Track: 2

SN	P Id	Title	Presenter
1	91	A novel foreground segmentation technique using convolutional neural network	Midhula Vijayan
2	167	Learning deep feature representation for face spoofing	Shreenivasa Parmula*
3	172	Shape descriptor based on centroid with chord lengths for image retrieval	Jaydevi Karur
4	174	Detection and analysis of video inconsistency based on local binary pattern (LBP)	Vivek Mahale*
5	178	A potent model to recognize Bangla sign language characters with convolution neural network	Akm Shahariar Azad Rabby
6	293	Shot-net: a convolutional neural network for classifying different cricket shots	Asif Karim

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Session: II
Track: 3

SN	P Id	Title	Presenter
1	252	Mining frequent patterns in firewall logs using a priori with Weka	Hajar Esmaeil Qasem As-Suhbani
2	49	Website analysis: search engine optimization approach	Vijaykumar Kumbhar
3	68	Explicit decision tree for predicating impact of motiva- tional parameters on self satisfaction of the students	Aniket Avinash Mule y
4	79	Simplified deterministic finite automata construction algorithm from language specification	Darshan Ruikar
5	342	Background subtraction and Kalman filter algorithm for object tracking	Shreedevi Vasekar

Session: II
Track: 4

SN	P Id	Title	Presenter
1	171	Ekush: a multipurpose and multityp e comprehensive database for online off-line Bangla handwritten characters	Akm Shahariar Azad Rabby
2	177	Ishara-bochon: the first multipurpose open access dataset for Bangla sign language isolated digits	Akm Shahariar Azad Rabby
3	184	Shonkhanet: a dyn amic routing for Bangla handwritten digits recognition using capsule network	Akm Shahariar Azad Rabby
4	233	A combined architecture based on artificial neural network to recognize Kannada vowel modifiers	Siddhaling Urolagin
5	235	Automatic recognition o f legal amount words of bank cheques in Devanagari script: an approach based on information fusion at feature and decision level	Mohammand Idreesbhat
6	358	Bangla handwriting generation with deep convolutional generative adversarial networks	Akm Shahariar Azad Rabby

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Session: II
Track: 5

SN	P Id	Title	Presenter
1	11	Edge preserved satellite image denoising using median and bilateral filtering	Anju Asokan
2	258	Use of spectral reflectance for sensitive waveband determination for soil contents	Chitra Madhusudan Gaikwad
3	170	Design and development of webgis and smartphone application system for collection of real -time earth surface parameters for remote sensing applications	Sandeep Vasant Gaikwad
4	265	Landslide susceptibility zonation (LSZ) using machine learning approach for DEM derived continuous dataset	Muskan Jhunjhunwalla
5	279	A comparative study of different CNN models in city detection using landmark images	Afsana Ahsan Jeny
6	320	Image processing based vegetation cover monitoring and its categorization using differential satellite imageries for Urmodi river watershed in Satara district, Maharashtra, India	Wasim Ayub Bagwan

Session: II
Track: 6

SN	P Id	Title	Presenter
1	267	Classification of natural flower videos through sequential key frame selection using sift and DCNN	Jyothi V K
2	310	Recognition of Meitei Mayek using statistical texture and histogram feature	Sanasam Chanu Inunganbi
3	58	Feature fusion approach for differently exposed images with weighted guided filter	Aparna V ijayan
4	69	Semantic memory learning in image retrieval using k-means approach	Pushpa B Patil
5	88	The drawback of convolutional neural networks in understanding the image semantic	Thanh-Ha Do
6	195	Exnet: deep neural network for exercise pose detecti on	Akm Shahariar Rabby

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Session: III
Track: 1

SN	P Id	Title	Presenter
1	28	Video annotation and player classification using Hough-grid transformation (HGT) method	Daneshwari Mulimani
2	274	Automated flower region segmentation from color images	Monali Yashwant Khachane
3	125	Application of Gabor filter for monitoring wear of single point cutting tool	Prashant K. Ambadekar
4	294	Execution and performance evaluation of cognitive and expressive event on a robotic arm	Shashibala Tarigopula
5	305	Color transfer method for efficient enhancement of color images and its application to peripheral blood smear analysis.	Keerthana Prasad
6	117	Construction of recognition algorithms based on the two-dimensional functions	Shavkat Fazilov

Session: III
Track: 2

SN	P Id	Title	Presenter
1	86	Efficient feature selection based on modified cuckoo search optimization problem for classifying web text documents	(Kushaik Roy) Ankita Dhar
2	17	Compression based modeling for classification of text documents for text mining applications.	S N Bharatbhushan
3	257	Data mining learning of behavioural pattern of internet user students	Aniket Avinash Muley
4	309	Assessment of rainfall pattern using arima technique of Pachmarhi region, Madhya Pradesh, India	Papri Karmakar
5	319	Question answer based chart summarization	Aditi Deshpnade*
6	335	Stackdroid: evaluation of a multi -level approach for detecting the malware on android using stacked generalization	Sheikh Shah Mohammad*

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Session: III
Track: 3

SN	P Id	Title	Presenter
1	287	Comparison of deep learning, data augmentation and bag-of-visual-words for classification of imbalanced image datasets	Manisha Saini*
2	36	A deep recursive neural network model for fine-grained opinion classification	Ramesh S. Wadawadagi
3	295	Evaluation and analysis of plant classification system based on feature level fusion and score level fusion	Pradeep Salve
4	312	Reduced sift descriptors for content based image retrieval	Rajesh Dwivedi
5	323	Text extraction using sparse representation over learning dictionaries	Thanh Ha Do
6	344	A machine learning algorithm for solving hidden object ranking problems	Gaël Mondonneix

Session: III
Track: 4

SN	P Id	Title	Presenter
1	360	A systematic approach for constructing 3D MRI brain image over 2D images	Vidhya K
2	369	Classification of rheumatoid arthritis based on image processing technique	Swati A. Bhisikar
3	20	Image enhancement using filters on Alzheimer's disease	Rashmi Somshekhar
4	39	Comparison of deep feature classification and fine tuning for breast cancer histopathology image classification	Praveen K*
5	27	Performance & evaluation of support vector machine and artificial neural network over heterogeneous data	Ashish Kumar Mourya
6	42	SISU - a speaker identification system from short utterances	Dr Sk Md Obaidullh

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Session: III
Track: 5

SN	P Id	Title	Presenter
1	93	Comparative study and analysis of dimensionality reduction techniques for hyper-spectral data	Hanumant R. Gite
2	123	Crop discrimination based on reflectance spectroscopy using spectral vegetation indices (SVI)	Rupali Ramkrishna Surase
3	126	Optimal band selection for improvement of hyper-spectral palm print recognition system by using SVM and KNN classifier	Khandizod Anita Gautam
4	127	Evaluation of pre-treatment methods for prediction of soil micro nutrients from hyper-spectral data	Shruti Hiwale*
5	134	Role of lens position and illumination source for acquiring non-imaging hyper-spectral data to estimate biophysical characteristics of Azadirachta Indica plant species	Amarsinh Varpe
6	140	Land use land cover mapping using SVM and MLC classifiers for Aurangabad city – Maharashtra – India	Abdulla A. Omeer

Session: III
Track: 6

SN	P Id	Title	Presenter
1	94	Segmentation of kidney stones in medical ultrasound images	Sunanda Biradar
2	165	An imperceptible secure transfer of medical images for telemedicine applications	Madhu B
3	10	Contrast stretching-based unwanted artifacts removal from CT images	Darshan Ruikar
4	9	Draodm: diabetic retinopathy analysis through optimised deep learning with multi SVM for classification	Emmy Bhatti
5	277	A review of contemporary researches on biomedical image analysis	Dr.Ratnakar R.Ghorpade,
6	313	Public datasets and techniques for segmentation of anatomical structures from chest x-rays: comparative study, current trends and future directions	Ebenezer J

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Session: IV
Track: 1

SN	P Id	Title	Presenter
1	44	Eye like landmarks extraction and patching for face detection using deep neural network	Dattatray D. Sawat
2	332	A review on utilizing bio-mimetics in solving localization problem in wireless sensor network	Reeja Malar*
3	90	Experimental study on latent fingerprint matching using clustered minutiae patterns	Uttam Deshpande*
4	92	Development of secure multimodal biometric system for person identification using feature level fusion: fingerprint and iris	Dr. Almas Mohd. Naeem Siddiqui
5	243	A biometric recognition model based on palm vein feature characteristics	Dr. S. D. Raut

Session: IV
Track: 2

SN	P Id	Title	Presenter
1	331	Big-five personality traits based on four main methods	Hima P
2	238	Multi-frame super resolution using enhanced papoulis-gerchberg method	Dr. K. Joseph*
3	339	3D reconstruction of plants under outdoor conditions using image-based computer vision	Abhipray Prakash Paturkar
4	370	A robust blind color image watermarking approach using CT, QR & brisk features	Dr. Sanivarapu Prasanth Vaidya
5	371	Digital color image watermarking scheme using multiple decompositions	Dr. Sanivarapu Prasanth Vaidya

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Session: IV
Track: 3

SN	P Id	Title	Presenter
1	83	Siamese network for learning genuine and forged offline signature verification	Amruta Jagtap
2	204	Edge linking algorithms for broken handwritten Marathi characters	Parashuram Kambale
3	301	Uhtelpcc: a dataset for Telugu printed character recognition	K Rakesh
4	336	Symbolic approach for word-level script classification in video frames	Sunil C
5	357	On-line Devanagari handwritten character recognition using moments features	Shalaka Prasad Deore
6	365	Multi-scale local binary patterns- a novel feature extraction technique for offline signature verification	Sunil Kumar D.S.
7	135	Research challenges in big data security with Hadoop platform	Shrihari M R

Session: IV
Track: 4

SN	P Id	Title	Presenter
1	141	Impact of dimensionality reduction techniques on end member identification in hyper-spectral imagery	Mahesh Madhawrao Solankar
2	159	Hyper-spectral and multispectral remote sensing data fusion for classification of complex-mixed land features using SVM	Sandeep Gaikwad
3	181	Infrared image target detection techniques with quantitative analysis	Rajkumar Soundrapandiyan
4	218	Discrimination between healthy and diseased cotton plant by using hyper-spectral reflectance data	Priyanka Randive*
5	221	A novel study of feature extraction techniques with thermal imaging for face recognition	Kiran Chaudhari
6	169	Object detection and tracking with occlusion handling in maritime surveillance-a review	Rubeena Banu

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Session: IV
Track: 5

SN	P Id	Title	Presenter
1	96	Osteoarthritis stages classification to human joint imagery using texture analysis: a comparative study on ten texture descriptors	Sophal Chan
2	115	Design a novel detection technique for early diagnosis of the diabetic maculopathy	Pattebahadur Chetan Prakash
3	186	Pathological brain tumour detection using ridgelet transform and SVM	Anikata Patil
4	194	Automatic diagnosis of myocardial infarction with left bundle branch block	Revathi J*
5	242	Compressive sensing for three-dimensional brain magnetic resonance imaging	Dr Anita H
6	157	Reconstructing a 3D room from a Kinect carrying UAV	Eleni Mangina*

Session: IV
Track: 6

SN	P Id	Title	Presenter
1	317	Wtand PDE approach for forest species recognition in macroscopic images	Dr. Rohini A. Bhusnurmath
2	318	Diabetes detection using principal component analysis and neural networks	Ravula Hartha
3	340	Osteoarthritis detection and classification from knee X-ray images based on artificial neural network	(Dr. R S Hegadi) Trupti Pawar
4	351	Lung field segmentation from chest x-rays using fuzzy c means and level set algorithm	Jangam Ebenezer
5	353	Microaneurysm detection in diabetic retinopathy using genetic algorithm and SVM classification techniques	Devakumar S
6	223	An empirical study of the ELM on face matching	K. C. Santosh

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Session: V
Track: 1

SN	P Id	Title	Presenter
1	32	Automated soil tester	Kovelan Parameshwaran
2	40	An automated model to measure the water content of leaves	Kartheeswaran Thangathurai
3	104	Neural network modelling and prediction of daily average concentrations of Pm_{10}, No_2 and So_2	Sateesh. N. Hos amane
4	106	Estimation of crop chlorophyll content by spectral indices using hyperspectral non-imaging data	Pooja Janse*
5	110	MFDS-m-red edge position detection algorithm for discrimination between healthy and unhealthy vegetable plants	Anjana N. Ghule
6	180	Smart irrigation and crop yield prediction using wireless sensor networks and machine learning	Shanthi D L
7	286	Classifying farmers' complaints based on crop s and diseases using machine learning approaches	M A M Mohammed

Session: V
Track: 2

SN	P Id	Title	Presenter
1	43	Effect of time on aluminium oxi de FESEM nanopore images using fuzzy inference system	Jalaja Udoshi
2	46	The quantification of human facial expression using trapezoidal fuzzy membership function	Dileep Marichi
3	122	Recognition of Marathi numerals using MFCC and DTW features	Siddheshwar Gangonda
4	372	Skeleton joint difference maps for 3D action recognition with convolutional neural networks	Naveen Kumar*
5	19	Gray level face recognition using spatial features	K. C. Santosh
6	229	Let vehicles talk with images: A new trend in vehic ular communication	K. C. Santosh

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Session: V
Track: 3

SN	P Id	Title	Presenter
1	145	A survey on extreme learning machine and evolution of its variants	Himadri Mukherjee (Subhasmita Ghosh)
2	200	Classification of graphical user interfaces through gaze -based features	Hubert Cecotti
3	201	Training dataset extension through multiclass generative adversarial networks and k-nearest neighbour classifier	Hubert Cecotti
4	231	Correlation based real -time data analysis of graduate students behaviour	Shankar Patil
5	102	Word level plagiarism detection of Marathi text using n -gram approach	Ramesh Ram Naik

Session: V
Track: 4

SN	P Id	Title	Presenter
1	52	Gabor filter based classification of mammography images using LS-SVM and random forest classifier	Vijaya Mantragar
2	71	Detection and classification of non-proliferative diabetic retinopathy using retinal images	Datta Ramrao Somwanshi
3	81	Classification of pathology images for breast cancer	Bhagyarathi Halalli
4	87	Nail image segmentation for disease detection	Shweta Marulkar
5	337	Medical image encryption with integrity using DNA and chaotic map	Sumangala Biradar
6	166	Recurrent neural network based classification of fetal heart rate using cardiotocograph	Kaushik Roy

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Session: V
Track: 5

SN	P Id	Title	Presenter
1	239	Optimal search space strategy for infrared facial image recognition using capsule networks	Abhijay Gupta
2	260	Optimal selection of bands for hyper-spectral images using spectral clustering	Vanshika Gupta
3	281	A comparison of SMACC and PPI algorithms for end member extraction	Dhananjay Nalavade
4	288	Multispectral palm print biometric verification system using deep CNN	Supreetha Gowda*
5	350	A multi spectralgradient based image fusion	Dr. Gnyaneshwara Rao Nitta
6	155	Performance Analysis of Log-Gabor based Multimodal Systems and its Fusion Techniques	Mohammad Imran*

Session: V
Track: 6

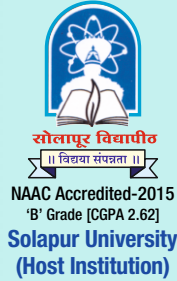| SN	P Id	Title	Presenter
1	245	Speech based interaction system using DNN and I-vector	P Shanmugapriya.
2	322	Efficient global waming reduction solution by traffic regulation and avoiding traffic congestion	Y Rajkumar*
3	51	Novel quality metric for image super resolution algorithms - super resolutionentropy metric (SREM)	Greeshma M S

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