

4<sup>th</sup> International Conference on  
Computer Vision and Image Processing (CVIP2019)

NAME OF TRACK : **I-Segmentation-S1**

NAME OF SESSION **I-Segmentation-S1: Image Segmentation**

CHAIR PERSON : *Balasubramanian Raman, Santosh Vipparthi*

*27 September 2019 (9:00- 10:15): Keynote1, Face Analysis for Emotionally Intelligent Systems*

*Prof. Matti Pietikainen, University of Oulu, Finland*

DATE/TIME *27 September 2019 (10:30- 12:30)*

ROOM NO: 01

S.NO	PAPER ID	TITLE AND AUTHOR	AUTHORS
1	124	A Reduced Graph Cut Approach to Interactive Object Segmentation With Flexible user Input	<i>Priyambada Subudhi</i>
2	49	Optical Flow based Background Subtraction Method for Lung Module Segmentation	<i>Wilfred Godfrey W, R Jenkin Suji</i>
3	109	Delaunay Triangulation based Thinning Algorithm for Alphabet Images	<i>Philumon Joseph</i>
4	169	A Novel Graph Theoretic Image Segmentation Technique	<i>Sushmita Chandel</i>
5	160	A Novel Saliency-based Cascaded Approach For Moving	<i>Prashant W Patil</i>
6	104	A Method to Generate Synthetically Warped Document Image	<i>ARPAN GARAI</i>
7	194	Extraction and Recognition of Numerals from Machine Printed Urdu Documents	<i>Harmohan Sharma</i>

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NAME OF TRACK : **Image Enhancement and Noise Removal**

NAME OF SESSION **NoiseF-S2: Noise and Filtering**

CHAIR PERSON : *Partha Pratim Das, Satyendra Singh Chouhan*

DATE/TIME: *27 September 2019 (10:30- 12:30)*

ROOM NO: 02

S.NO	PAPER ID	PAPER TITLE	AUTHOR
1	143	An Effective Video Bootleg Detection Algorithm Based on Noise Analysis in Frequency Domain	<i>PREETI MEHTA</i>
2	78	Non-uniform deblurring from blurry/noisy image pairs	<i>DEEPA P L</i>
3	21	Denoising Images with Varying Noises using Autoencoders	<i>AYUSHI AGARWAL</i>
4	157	A Novel Approach for Non Uniformity Correction in IR Focal Plane Arrays	<i>NIKHIL KUMAR</i>
5	40	MBC-CA: Multithreshold Binary Conversion based salt-and-pepper noise removal using Cellular Automata	<i>PARVEEN KUMAR</i>
6	20	Medical image denoising using spline based fuzzy wavelet shrink technique	<i>PRANABA KUMAR MISHRO</i>

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NAME OF TRACK : **I-CRBA: Image Clustering and Retrieval Based Applications**

NAME OF SESSION : **I-CRBA-S2: Clustering and Retrieval Based Applications**

CHAIR PERSON : *Sanjeev Kumar, Ravindra Singh Jadeja*

DATE/TIME: *27 September 2019 (14:00- 16:00)*

ROOM NO: 01

S.NO	PAPER ID	PAPER TITLE	AUTHOR
1	125	A New Fuzzy Clustering Algorithm by Incorporating Constrained Class Uncertainty-based Entropy for Brain MR Image Segmentation	<i>Nabanita Mahata</i>
2	119	Multimodal Query Based Approach for Document Image Retrieval	<i>Amit V Nandedkar</i>
3	141	Encoder Decoder Based Image Semantic Space Creation for Clothing Items Retrieval	<i>Gaurav Kumar Jain</i>
4	128	Transformed Directional Tri Concomitant Triplet Pattern	<i>Chesti Altaff Hussain</i>
5	161	Feature Learning for Effective Content-Based Image Retrieval	<i>Snehal Marab</i>
6	153	A Comparative Study of Big Mart Sale Prediction	<i>Gopal Behra</i>

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NAME OF TRACK : **I-Biomed: Bio medical Applications**

NAME OF SESSION **I-Biomed-S3: Bio medical Applications**

CHAIR PERSON : *Kuldeep Kumar, Nitharwal*

DATE/TIME: *27 September 2019 (14:00- 16:00)*

ROOM NO: 02

S.NO	PAPER ID	PAPER TITLE	AUTHOR
1	186	A Novel Approach for False Positive Reduction in Breast Cancer Detection	<i>Mayuresh Shingan</i>
2	116	DeepRNNetSeg: Deep Residual Neural Network for Nuclei Segmentation on Breast Cancer Histopathological Images	<i>Mahesh Gour</i>
3	197	Classification of Effusion and Cartilage Erosion Affects in Osteoarthritis Knee MRI Images Using Deep Learning Model	<i>Pankaj Pratap Singh</i>
4	118	Classification of Breast Tissue Density	<i>Kanchan Lata Kashyap</i>
5	44	A Study on Deeplearning for Breast Cancer Detection in Histopathological Images	<i>Oinam Vivek Singh</i>
6	45	Face presentation Attack Detection using Multi-Classifer Fusion of Off-the-Shelf Deep Features	<i>Raghavendra Ramachandra</i>

Matlab

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NAME OF TRACK : **Matlab Workshop**

NAME OF SESSION : **Matlab Workshop**

CHAIR PERSON : *Santosh Kumar Vipparthi, Ramesh Babu Battula*

DATE/TIME: *27 September 2019 (16:00- 17:30)*

ROOM NO: 02

TITLE	Speakers
Matlab and Deeplearning	<i>From Matlab</i>

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NAME OF TRACK : **Medical Imaging and their Applications**

NAME OF SESSION : **MIA-S1: Track MIA**

CHAIR PERSON : *Subramanyam Murala, Tapas Badal*

*28 September 2019 (9:00- 10:15): Keynote2, Digital Image Processing in Ophthalmology*

*Prof. Mohamed Abdel-Mottaleb, University of Miami, Miami*

DATE/TIME: *28 September 2019 (10:30 - 12:30 )*

ROOM NO: 01

S.NO	PAPER ID	PAPER TITLE	AUTHOR
1	199	Automatic Report Generation for Chest X-ray Images: A Multilevel Multi-Attention Approach	<i>OMPRAKASH GAJBHIYE</i>
2	148	Tensor Based Dictionary Learning for Compressive Sensing MRI Reconstruction	<i>DEEPAK MISHRA</i>
3	98	CNN and RF Based Classification of Brain Tumors in MR Neurological Images	<i>Ankush Jamthikar</i>
4	165	Nonparametric vibration based damage detection technique for Structural Health Monitoring Using 1D CNN	<i>YASH SARAWGI</i>
5	179	Neural network and SVM based Kidney stone based medical image classification	<i>KETKI C. PATHAK</i>
6	66	A Comparative Analysis for Various Stroke Prediction Techniques	<i>M SHEETAL SINGH</i>

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NAME OF TRACK : **Image Analysis And Computer Vision**

NAME OF SESSION : **IAA-S1: Track IAA**

CHAIR PERSON : *Yogesh Kumar Meena, Satyendra Singh Chouhan*

DATE/TIME: *28 September 2019 ( 10:30 - 12:30)*

ROOM NO: 02

S.NO	PAPER ID	PAPER TITLE	AUTHOR
1	130	Fast Semantic Feature Extraction Using Superpixels fo	<i>Shashikant Verma</i>
2	83	Energy based Convex Set Hyperspectral Endmember Extraction Algorithm	<i>TANISH HEMAL ZAVERI</i>
3	39	Automated Industrial Quality Control of Pipe Stacks using Computer Vision	<i>Sayantan Chatterjee</i>
4	61	Asymmetric Wide Tele Camera Fusion for High Fidelity Digital Zoom	<i>SAI KUMAR REDDY MANNE</i>
5	151	Traffic Sign Recognition using Color and Spatial Transformer Network on GPU Embedded Development Board	<i>VAIDYA BHAUMIK</i>
6	146	Spatially Variant Laplacian Pyramids for Multi-Frame Exposure Fusion	<i>Anmol Biswas</i>
7	193	Unsupervised Single-View Depth Estimation for Real Time Inference	<i>Pritee Khanna</i>

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NAME OF TRACK : **SIVT : Signal Image & Vision Technologies**

NAME OF SESSION : **SF-S1: Security and Forensics**

CHAIR PERSON : *Prakash Choudhary, Kuldeep Kumar*

DATE/TIME: *28 September 2019 ( 14:00 – 16:00)*

ROOM NO: 01

S.NO	PAPER ID	PAPER TITLE	AUTHOR
1	36	A Fast and Rigid Copy Move Forgery Detection Technique using HDBSCAN	<i>Shraddha Wankhade</i>
2	56	Improved Performance of Visual Concept Detection in Images using Bagging Approach with Support Vector Machines	<i>SANJAY M. PATIL, KISHOR K. BHOYAR</i>
3	48	Vision-based Malware Detection and Classification using Lightweight Deep Learning Paradigm	<i>S Abijah Roseline</i>
4	76	An Edge-Based Image Steganography Method Using Modulus-3 Strategy and Comparative Analysis	<i>SANTOSH KUMAR TRIPATHY</i>
5	154	Multi-Level Threat Analysis in Anomalous Crowd Videos	<i>ARINDAM SIKDAR</i>
6	77	Anomalous Event Detection and Localization using Stacked Autoencoder	<i>SUPRIT DHANANJAY BANSOD</i>

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NAME OF TRACK : **SIVT : Signal Image & Vision Technologies**

NAME OF SESSION : **SIVT-S2: Learning and Classification**

CHAIR PERSON : *Neeta Nain, Prakash Choudhary NIT Hamirpur, India*

DATE/TIME: *28 September 2019 ( 14:00 – 16:00)*

ROOM NO: 02

S.NO	PAPER ID	PAPER TITLE	AUTHOR
1	110	Driver Distraction Detection using ensemble techniques to improve low performing classifiers	<i>PRAVEEN SANKARAN</i>
2	139	Discovering Cricket Strokes Classes In Telecast Trimmed Videos	<i>ASHISH KAREL</i>
3	82	DNN based adaptive video streaming using combination of Supervised Learning and Reinforcement learning	<i>LUCKRAJ SHRAWAN KUMAR</i>
4	59	Real-Time Driver Drowsiness Detection using Deep Learning and Heterogeneous Computing on Embedded System	<i>SANDEEP PALAKKAL</i>
5	155	Design and Implementation of Human Safeguard Measure Using Separable Convolutional Neural Network Approach	<i>Dr. V. Sathiesh Kumar</i>
6	55	Two Efficient Image Bag Generators for Multi-instance Multi-label Learning	<i>P K Bhagat</i>

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NAME OF TRACK : **SIVT : Signal Image & Vision Technologies**

NAME OF SESSION **SIVT-S3: Face and Human Characteristic Identification**

CHAIR PERSON : *Santosh Kumar Vipparthi, Ramesh Babu Battulla, MNIT Jaipur, India*

DATE/TIME *28 September 2019 ( 16:30 - 18:30)*

ROOM NO: 01

S.NO	PAPER ID	PAPER TITLE	AUTHOR
1	195	Colour Sensitive Image Segmentation using Quaternion Algebra	<i>Sandip Kumar Maity</i>
2	145	SCDAE: Ethnicity and Gender Alteration on CLF and UTKFace Dataset	<i>Praveen Kumar</i>
3	58	A High Precision and High Recall Face Detector for Equi-rectangular Images	<i>PRAVEEN AGRAWAL</i>
4	86	Real-Time Ear Landmark Detection Using Ensemble of Regression Trees	<i>HITESH GUPTA</i>
5	57	FaceID: Verification of Face in Selfie and ID Document	<i>SHALINI YADAV</i>
6	90	Psychological Stress Detection using Deep Convolutional Neural Networks	<i>VIJAYA R. THOOL</i>
7	131	Deep Hybrid Neural Networks for Facial Expression Classification	Anil Balaji Gonde

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NAME OF TRACK : **Track: Signal Image & Vision Technologies**

NAME OF SESSION **SIVT5: Document Image Analysis and Applications**

CHAIR PERSON : *Partha Pratim Roy, Subhash Panwar*

DATE/TIME: *28 September 2019 (16:30- 18:30)*

ROOM NO: 02

S.NO	PAPER ID	PAPER TITLE	AUTHOR
1	75	Image to CAD : Feature extraction & translation of raster image of CAD drawing to DXF CAD format	<i>ADITYA INTWALA</i>
2	107	Ink Analysis Using CNN-based Transfer Learning to Detect Alteration in Handwritten Words	<i>PRABHAT DANSENA</i>
3	41	Profession Identification using Handwritten Text Images	<i>PARVEEN KUMAR</i>
4	94	A Benchmark Dataset of Online Handwritten Gurmukhi Script Words and Numerals	<i>HARJEET SINGH</i>
5	183	Targeted Optical Character Recognition: Classification using Capsule Network	<i>PRATIK PRAJAPATI</i>
6	149	Manipuri Handwritten Character Recognition by Convolutional Neural Network	<i>SANASAM INUNGANBI</i>

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NAME OF TRACK : **Mixed Session**

NAME OF SESSION : **Human Tracking and Behaviour Analysis**

CHAIR PERSON : *Prof Tanish Zaveri, Pritee Khanna*

*29 September 2019 (9:00- 10:15): Keynote3, Is Face Recognition Secure*

*Prof. Pong C Yuen, Hong Kong Baptist University, Hong Kong*

DATE/TIME: *29 September 2019 (10:30- 12:30)*

ROOM NO: 01

S.NO	PAPER ID	PAPER TITLE	AUTHOR
1	87	Video Based Deception Detection using DeepRecurrent Convolutional Neural Network	<i>SUSHMA VENKATESH</i>
2	97	Video Colorization using CNNs and Keyframes extraction: An application in saving bandwidth,	<i>ANKUR SINGH</i>
3	173	Two-Stream CNN Architecture for Anomalous Event Detection in Real World Scenarios	<i>RATNAKAR DASH</i>
4	29	Speed Prediction of Fast Approaching Vehicle Using Moving Camera	<i>RAMESH KUMAR MOHAPATRA</i>
5	105	Multi-Frame and Multi-Scale Conditional Generative Adversarial Networks For Efficient Foreground Extraction	<i>HIMANSU DIDWANIA</i>
6	16	A New Hybrid Architecture For Real-Time Detection of Emergency Vehicles	<i>PABITRA MOHAN KHILAR</i>

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NAME OF TRACK : **Deep Learning**

NAME OF SESSION : **Video and Image**

CHAIR PERSON : *Santosh Kumar Vipparthi, Tapas Badal*

DATE/TIME: *29 September 2019 (10:30- 12:30)*

ROOM NO: 02

S.NO	PAPER ID	PAPER TITLE	AUTHOR
1	73	A Convolutional Fuzzy Min-Max Neural Network for Image Classification	<i>TRUPTI RAMDAS CHAVAN</i>
2	178	Calibration Of Depth Map Using A Novel Target	<i>SANDIP PAUL</i>
3	171	Tackling Multiple Visual Artifacts: Blind Image Restoration using Conditional Adversarial Networks	<i>PRIYANKA BHARDWAJ</i>
4	33	Image Aesthetics Assessment using MultiChannel Convolutional Neural Networks	<i>NISHI DOSHI</i>
5	180	3D CNN With Localized Residual Connections For Hyperspectral Image Classification	<i>SHIVANGI DWIVEDI</i>
6	53	A Deep Neural Network Classifier Based on Belief Theory	<i>PRAVEEN SANKARAN</i>
7	129	Extreme Weather Prediction using 2-Phase Deep Learning Pipeline	Vidhey Oza

DVI-S2

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NAME OF TRACK : **Deep Learning**

NAME OF SESSION **Video and Image-S2**

CHAIR PERSON : *Maroti Deshmukh, Tapas Badal*

DATE/TIME *29 September 2019 (14:00- 16:30)*

ROOM NO: 01

S.NO	PAPER ID	PAPER TITLE	AUTHOR
1	81	Kernel Variants Of Extended Locality Preserving Projection	SUMAN K.MITRA
2	158	Towards ocular recognition through local image descriptors	Tirupathiraju Kanumuri
3	84	A Deep Convolutional Neural Network based approach to Extract and Apply Photographic Transformations	MRINMOY SEN
4	52	A Novel Information Theoretic Cost Measure For Filtering Based Feature Selection From Hyperspectral Images	VIKAS KOOKNA
5	101	Image Compression for Constrained Aerial Platforms: A Unified Framework of Laplacian and cGAN	SREEDEVIPRI YANKA M
6	88	Deep Demosaicing using ResNet-Bottleneck Architecture	DIVAKAR VERMA

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**CVIP2019 Bidding and Conference Committee Meeting**

**CHAIR PERSON :** *Prof. B B Chaudhari and Prof Balasubramanian Raman*

DATE/TIME: *29 September 2019 (14:00- 16:30)*      ROOM NO: 02

All Committee Members and Organizing Committee