



**ICSIPA**

# IEEE ICSIPA 2019

## TRACK SCHEDULE

DAY 1: September 17, 2019



Biomedical Signal Processing 1		Computer Vision: Feature Extraction & Classification 1	Signal Processing for Communications
08:40	Development of Simulator for Robot Assisted Surgical Platform for Cholecystectomy Training	Enhanced Face Recognition Method Based On Local Binary Pattern and Principal Component Analysis For Efficient Class Attendance System	Multi-user mmWave MIMO Channel Estimation with Hybrid Beamforming over Frequency Selective Fading Channels
09:00	Systolic Murmurs Diagnosis Improvement by Features and Decision Fusion	Chronic Wound Area Segmentation Based on 4-D Probability map of Image Superpixel	A Channel Model for Three-node Two-way Relay-aided PLC Systems
09:20	Improved Singular Value Decomposition-based Exons Prediction Approach Using Forward-backward Filtering	Facial Expression Recognition Using Shearlet Transform and Kirsch Masking	Generalized Stability Triangle and Robust Phase Compensator Design
09:40	Identification of Asthmatic Patient During Exercise Using Feature Extraction of Carbon Dioxide Waveform	Study of Convolutional Neural Network in Recognizing Static American Sign Language	Roundoff Noise Minimization Using Jointly Optimized Error Feedback and Realization for State-Space Digital Filters
Biomedical Signal Processing 2		Image Filtering, Registration & Segmentation 1	Big Data & Deep Learning Applications
14:00	Can background music relieve stress? An EEG analysis	Evaluation of Local Features for Near-Uniform Scene Images	Local Receptive Field Extreme Learning Machine based adult content detection
14:20	Automated Grading of Diabetic Retinopathy in Retinal Fundus images using Deep Learning	Pavement Images Denoising using 2D Discrete Wavelet Transform with Cracks Classification based-on Savitzky-Golay Filters	Deep Neural Networks are Really Undefeatable for Human Conflicting and Non-conflicting Event Detection
14:40	EEG-based personalized emotion recognition with deep convolutional neural network	Image Sharpening with Optimized PSNR	Compact Convolutional Neural Networks for Pterygium Classification using Transfer Learning
15:00	The Design and Development of Automated Knee Cartilage Segmentation Framework	ORB-PC feature-based image registration	Advanced And Minor Lung Disease Severity Classification Using Deep Features
15:20	BiT_C Detector: Gallstones Detection for Ultrasound Images	A Pattern Analysis-based Segmentation to Localize Early and Late Blight Disease Lesions in Digital Images of Plant Leaves	Acoustic Pornography Recognition Using Recurrent Neural Network
Biomedical Signal Processing 3		Computer Vision: Feature Extraction & Classification 2	Video Processing 1
16:10	An Overview of Respiratory Airflow Estimation Techniques: Acoustic vs Non-Acoustic	Car Wiper Arm Defect Detection Using Gabor Filter	Joint Analysis for Tracking Fitness and Monitoring Progress in Physiotherapy
16:30	Enhancement in the Identification of Slough Tissue in Chronic Wound Assessment	Hybrid Featured based Pyramid Structured CNN for Texture Classification	Measuring Of Real-Time Traffic Flow Using Video From Multiple IP-Based Cameras
16:50	Automated and Online Eye Blink Artifact Removal from Electroencephalogram	Simultaneous Prediction of Valence / Arousal and Emotion Categories in Real-time	Framework for Pedestrian Detection, Tracking and Re-identification in Video Surveillance System

DAY 2: September 18, 2019

Image Compression, Retrieval, Rendering & Display 1		Image Enhancement & Restoration 1	Signal Processing Applications 1
08:40	Real-time Motion Detection in Extremely Subsampled Compressive Sensing Video	A Model-Based Method for Pan-Sharpener of Multi-Spectral Images using Sparse Representation	Robust Graph Topology Learning and Application in Stock Market Inference
09:00	Quality Assessment for Natural and Screen Content Images	Additive Noise Level Estimation Based on Singular Value Decomposition (SVD) in Natural Digital Images	Improvement of Data-Driven 3-D Surface Quality Inspection by Deformation Simulation
09:20	Radio Cellular Forensics Analysis: Where is the Adversary?	Local Blurred Natural Image Restoration Based on Self-Reference Deblurring Generative Adversarial Networks	Recovery of Undersampled Sparse Signals using Combined Smoothed L0-L1 Norm
09:40	Performance Comparison Between SURF and SIFT for Content-Based Image Retrieval	Coloured Synthetic Enhancement of Image Edge Obtained With X-Ray Imaging for Structural Integrity Inspection	Protecting Secret Data using RDE and Fuzzy Logic to Specify the Embedding Level
Image Compression, Retrieval, Rendering & Display 2 and Image Enhancement & Restoration 2		Image Filtering, Registration & Segmentation 2	Video Processing 2 and Signal Processing Applications 2
14:00	Simulation Study of Two-Phase Fluid 3D Imaging Using Lab-on-Chip ECT	An Efficient Non-Occluded Face Area Detection Method under Unconstrained Environment of Smartphone Database	Localized Background Subtraction Feature-Based Approach for Vehicle Counting
14:20	Ultrasound Tomography Hardware System for Multiphase Flow Imaging	Edge-guided Hierarchically Nested Network for Real-time Semantic Segmentation	Compact Video Analysis Human Action Recognition Approach
14:40	Simple Triangulation for Asynchronous Stereo Cameras	An Empirical Investigation on the Effect of Shape Exaggeration in Face Sketch to Photo Matching	City Tracker: Multiple Object Tracking in Urban Mixed Traffic Scenes
15:00	Simplified Light Probe using Minimal Number of Photodiodes	Combination of Canny Edge Detection and Blob Processing Techniques for Shrimp Larvae Counting	Data Augmentation for Historical Documents via Cascade Variational Auto-Encoder
15:20	Comparison of Super Resolution Methods in Magnetic Resonance Images for Small Animals	IoT Application in River Monitoring: Methods and Challenges	Finite Element Analysis for Yeast Cells using Electrical Capacitance Tomography
15:40	Natural Image Deblurring using Recursive Deep Convolutional Neural Network (R-DbCNN) and Second-Generation Wavelets	Exploiting Koinophilia-Phenomena To Classify Geographic Origin	Reliability analysis of Pneumatic Control Valve in Process Plant Using Simulated Failure Data