Workshop on
Infrared Computer Vision

In Conjunction with ICPR2024

Workshop Schedule

Time	Program Details	Presenter
09:00 AM-09:30 AM	Registration and Welcome	Organizers
09:30 AM-10:00 AM	Opening Remarks	Dr Ajith Abraham Vice Chancellor Bennett University
Session 1: Application of Infrared Computer Vision		
10:00 AM-11:00 AM	Keynote Talk on Applications of Infrared Computer Vision	Smt. Neeta Kandpal Scientist 'G' DEAL (DRDO)
11:00 AM-11:30 AM	Tea Break	
11:30 AM-12:15 AM	Infrared Scene Simulation and HWIL testing of advanced airborne sensors	Dr O P Naraniya Scientist 'F' IRDE(DRDO)
12:15 AM-01:00 PM	Applications of Infrared in Agriculture	Dr Sudhir Kumar Sr Scientist ICAR-IARI, Delhi
01:00 PM-02:00 PM	Lunch Break	
Session 2: Paper Presentations		
02:00PM-5:30 PM	• Refined Infrared Small Target Detection Scheme with Single-Point Supervision • LR-Net: A Lightweight and Robust Network for Infrared Small Target Detection • Unsupervised Thermal Image Pose Estimation and activity recognition via thermal to RGB Domain transform and Multi-Task Learning • Advancing Infrared based Cyclone Intensity Forecasting with Dual-Stage Temporal Attention Mechanism and Recurrent Neural Networks • Vehicle Reidentification in Thermal Infrared Spectrum • ViGAN-Fusion: A Dual-Domain Face Anti-Spoofing Method • Boosting Vehicle Detection Accuracy Using Super-Resolved Synthesised IR Images • A Review on Image Processing Based Plant Disease Analysis Using Thermal Infrared Spectroscopy • Infrared Imaging and Deep Learning in Sports • Hand dorsal vein segmentation through thermal camera acquisition • Activity based human pose estimation in thermal images	Authors of the papers