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**Abstract:** The proceedings contain 70 papers. The topics discussed include: a deep dual-branch networks for joint blind motion deblurring and super-resolution; a general lane detection algorithm based on semantic segmentation; a modified Retinex algorithm for visualization of high dynamic range images; action recognition by jointly using video proposal and trajectory; active object detection through dynamic incorporation of Dempster-Shafer fusion for robotic applications; an optimal threshold registration algorithm of UAV color images based on SURF; automated pruning of greenhouse indeterminate tomato plants; and colorization of mountainous landscape images in grayscale using texture feature analysis.

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