

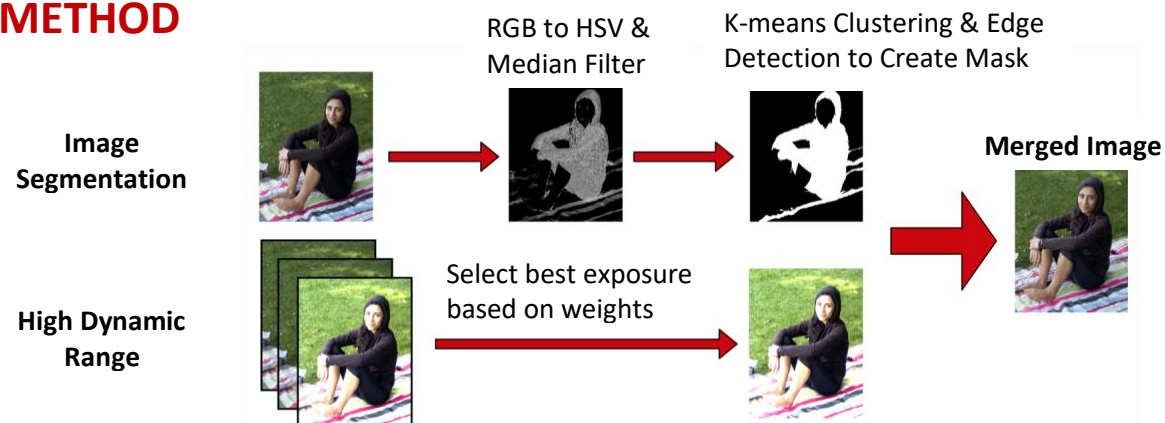
# Localized HDR for Images with Low Reflectance Subjects

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## MOTIVATION

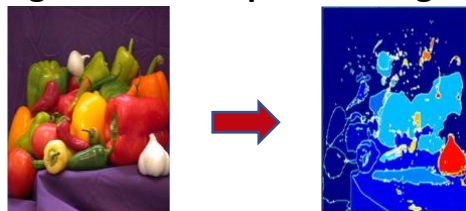
- Textures and fine details in dark-colored objects are difficult to photograph.
- Propose a localized high dynamic range method to improve the appearance of low reflectance objects in images.
- Output images reveal more details of the subject while preserving the natural colors of the surrounding scene.

## METHOD



## RELATED WORKS

- Color Image Segmentation Pipeline using HSV Color Space <sup>[1]</sup>



- Capture High Dynamic Range Images with Partial Exposures <sup>[2]</sup>

Only re-expose badly-exposed regions of an image to reduce capture time and increase frame rate.

## RESULTS



[1] B. Guthier, S. Kopf, and W. Effelsberg, "Capturing high dynamic range images with partial reexposures," 2008 IEEE 10th Workshop on Multimedia Signal Processing, 2008.

[2] Bora, D., Gupta, A. and Khan, F. (2019). *Comparing the Performance of L\*A\*B\* and HSV Color Spaces with Respect to Color Image Segmentation*. [online] arxiv.org. Available at: <https://arxiv.org/pdf/1506.01472.pdf> [Accessed 13 Mar. 2019].