Application of Conditional Random Field in Image Salient Object Detection with Local, Regional, Global Feature Extraction

Jimmy Lin
Chris Claoue Long

Dr. Stephen Gould

College of Engineering and Computer Science
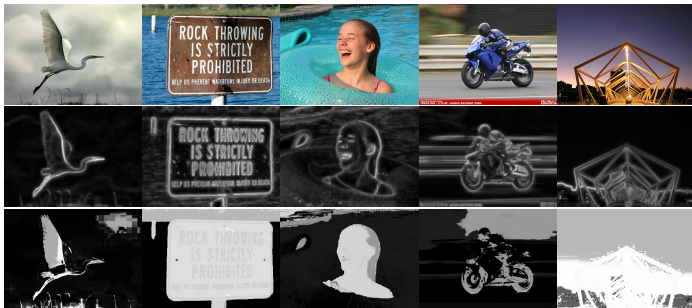**Australian National University**

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Introduction

Related Works

Formulation

Section 4

Feature Extraction

Local: Multiscale Contrast

Regional: Center-Surround Histogram

Global: Color Spatial Distribution

Learning

Inference

Reference

Liu, Tie, et al. "Learning to detect a salient object." *Computer Vision and Pattern Recognition, 2007. CVPR'07. IEEE Conference on. IEEE, 2007.*

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Ma, Yu-Fei, and Hong-Jiang Zhang. "Contrast-based image attention analysis by using fuzzy growing." *Proceedings of the eleventh ACM international conference on Multimedia. ACM, 2003.*

Stephen Gould, "DARWIN: A Framework for Machine Learning and Computer Vision Research and Development", *Journal of Machine Learning Research (JMLR), 13(Dec):35333537, 2012.*