

ResearchGate

Search for research, journals or

Discover by subject
area

Log in

Join for free

Conference Paper

Horizon Lines in the Wild

January 2016

DOI: [10.5244/C.30.20](https://doi.org/10.5244/C.30.20)

Scott Workman · Menghua Zhai · Nathan Jacobs

Citations 78Reads 114

Request full-text

Export citation

Overview

Citations (78)

References (29)

Abstract



No abstract

The abstract for this research is not available.

ResearchGate

Discover the world's research

- 25+ million members
- 160+ million publication pages
- 2.3+ billion citations

[Join for free](#)[I already have an account](#)

Ad X

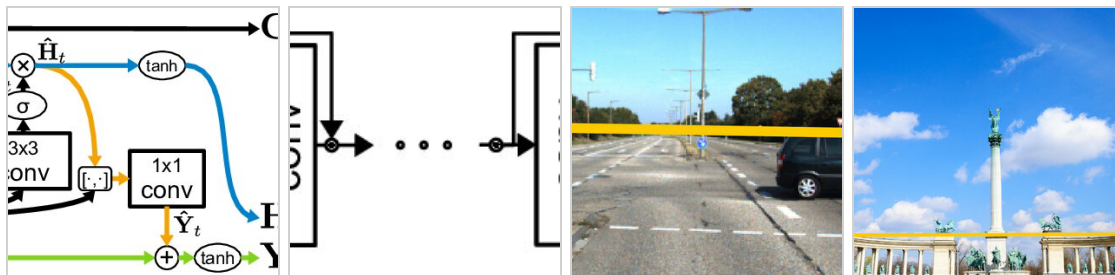
Public full-texts



To read the full-text of this research, you can request a copy directly from the authors.

[Request full-text PDF](#)

Similar research



Temporally Consistent Horizon Lines

[Preprint](#)[File available](#)

July 2019 · 349 Reads

Florian Kluger · Hanno Ackermann · Michael Ying Yang · Bodo Rosenhahn

The horizon line is an important geometric feature for many image processing and scene understanding tasks in computer vision. For instance, in navigation of autonomous vehicles or driver assistance, it can be used to improve 3D reconstruction as well as for semantic interpretation of dynamic environments....

[Read more](#)

[View](#)

Horizon Lines in the Wild

Article

April 2016 · 63 Reads · 29 Citations

 Scott Workman ·  Menghua Zhai ·  Nathan Jacobs

The horizon line is an important property for a wide variety of image understanding tasks. As such, many methods have been introduced to estimate the horizon line from a single image, primarily geometric methods which assume the presence of specific cues in the scene (e.g., vanishing points). These purel...

[Read more](#)

[View](#)

Detecting Vanishing Points using Global Image Context in a Non-Manhattan World

Article

August 2016 · 84 Reads · 82 Citations

 Menghua Zhai ·  Scott Workman ·  Nathan Jacobs

We propose a novel method for detecting horizontal vanishing points and the zenith vanishing point in man-made environments. The dominant trend in existing methods is to first find candidate vanishing points, then remove outliers by enforcing mutual orthogonality. Our method reverses this process: we...

[Read more](#)

[View](#)

Detecting Vanishing Points Using Global Image Context in a Non-ManhattanWorld

Conference Paper

June 2016 · 99 Reads · 73 Citations

 Menghua Zhai ·  Scott Workman ·  Nathan Jacobs

[View](#)

DEEPPFOCAL: A method for direct focal length estimation

Conference Paper

September 2015 · 333 Reads · 108 Citations

 Scott Workman ·  Connor Greenwell ·  Menghua Zhai · [...] ·  Nathan Jacobs

[View](#)

ResearchGate

ResearchGate



Company

About us

Blog

Careers

Resources

Help Center

Contact us

Business Solutions

Marketing Solutions

Scientific Recruitment

Publisher Solutions



[Terms](#) [Privacy](#) [Copyright](#) [Imprint](#) [Consent preferences](#)

