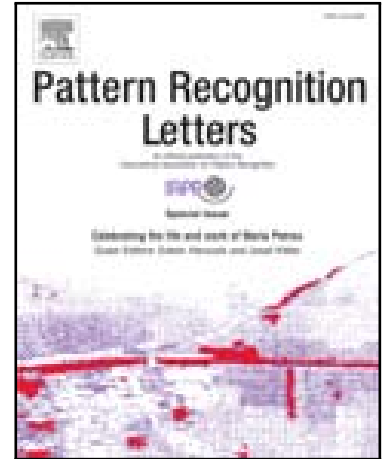


Accepted Manuscript

Deep learning features exception for cross-season visual place recognition

Chingiz Kenshimov, Loukas Bampis, Beibut Amirgaliyev, Marat Arslanov, Antonios Gasteratos

PII: S0167-8655(17)30396-3
DOI: [10.1016/j.patrec.2017.10.028](https://doi.org/10.1016/j.patrec.2017.10.028)
Reference: PATREC 6982



To appear in: *Pattern Recognition Letters*

Received date: 1 February 2017
Revised date: 6 October 2017
Accepted date: 18 October 2017

Please cite this article as: Chingiz Kenshimov, Loukas Bampis, Beibut Amirgaliyev, Marat Arslanov, Antonios Gasteratos, Deep learning features exception for cross-season visual place recognition, *Pattern Recognition Letters* (2017), doi: [10.1016/j.patrec.2017.10.028](https://doi.org/10.1016/j.patrec.2017.10.028)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Research Highlights (Required)

To create your highlights, please type the highlights against each `\item` command.

It should be short collection of bullet points that convey the core findings of the article. It should include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point.)

- A new approach for building a robust season-invariant feature descriptor for vPR
- Feature maps from CNN are considered as the smallest units for analysis
- Feature descriptors free from season specific information are built
- Baseline performance of CNN feature descriptors are significantly increased

Download English Version:

<https://daneshyari.com/en/article/6940795>

Download Persian Version:

<https://daneshyari.com/article/6940795>

[Daneshyari.com](https://daneshyari.com)