



**SDI Review Form 1.6**

**PART 1:**

Journal Name:	<b><u>Physical Review &amp; Research International</u></b>
Manuscript Number:	<b>2013_PRR1_4783</b>
Title of the Manuscript:	<b>Effect of Diurnal Changes on the Quality of Digital Images</b>
Type of the Article	<b>Research paper</b>

**General guideline for Peer Review process is available in this link:**

**(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)**

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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### PART 2: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Compulsory</b> REVISION comments	<p>I have a few comments that, I believe, would improve the paper.</p> <ul style="list-style-type: none"> <li>-What are <math>v_1</math> and <math>v_2</math> in Eq 4? need description</li> <li>- There is a missing sentence in Page 3, section 2.4,</li> <li>-<math>\sigma</math> used in Eq 2 as intensity, while used in Eq 4, as attenuation</li> <li>- Formulas in sections 2.1, 2.1, 2.3 and 2.4 need references.</li> </ul>	<p><b>Spatial parameters</b></p> <p><math>\mu_n, \sigma_n, S_n</math> are the normalised brightness parameter, normalised contrast parameter, normalised sharpness parameter ...2.1, 2.2, 2.3.</p> <p><math>\sigma</math> is the parameter at which attenuation coefficient is considered less than 1. A small value of it means that fewer frequencies are attenuated. Here <math>\sigma</math> should be represented as <math>\partial</math>.</p> <p>(a) S. Erkanli, J. Li and E. Oguslu, "Fusion of Visual and Thermal Images using Genetic Algorithms", Bio Inspired Computational Algorithms and their Applications, pp. 187-212, www.intenchopen.com</p> <p>(b) Rahman Z., The Lectures Notes of Image Processing, Old Dominion</p>



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	<p><b>-In Methodology section, the Authors doesn't explain the purpose of using the standard deviations of sub images?</b></p> <p><b>-The authors must describe in details the optimal quality for each color with respect to the time and orientation.</b></p> <p><b>-It would be useful to compare your results against last published results?</b></p> <p><b>-English language must be improved.</b></p>	<p><b>University, 2009.</b></p> <p><b>Just to check out the deviation in quality of the original and processed images</b></p> <p><b>The quality for whole image is already provided by isolating a particular colour</b></p> <p><b>Ok</b></p> <p><b>Ok</b></p>
<b><u>Minor</u> REVISION comments</b>	<b>-Reference 12 is not relevant</b>	<b>Ok</b>
<b><u>Optional/General</u> comments</b>		