



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_39551
Title of the Manuscript:	Direct current in non-steady-state photovoltaic effect
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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

PART 1: 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)
<u>Compulsory</u> REVISION comments Accept as it is.	Title: Direct current in non-steady-state photovoltaic effect The authors present a new non-steady-state photovoltaic effect in a uniform bipolar semiconductor doped with impurities changing their charge state under illumination. Direct electric current is shown to arise in the ring-shaped uniform bipolar semiconductor sample illuminated by moving light pattern. The physical basis of the effect is the simultaneous change of the charge carrier's density and mobility, as well as the difference in lifetime of the ionized impurities, charge carriers and the light pattern traveling time along semiconductor sample. The article is very well written and explains with clarity the main purpose of the investigation. Moreover, the results presented are good enough as to provide relevant physical information that merits to be accepted for publication at PSIJ. Unfortunately, as the authors say and I quote "Now it is difficult to consider a practical implementation of the predicted effect, more likely it is of pure theoretical interest. However, it may be relevant as a source of noise in photoresistors and photoconverters."	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

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