



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2014_PSIJ_11069
Title of the Manuscript:	Alternating Current Instability of Conduction-Cooled High-T _c Superconductors and Superconducting tapes
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>)



SDI Review Form 1.6

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	<p>The Manuscript is a theoretical work describing different Model approaches to the macroscopic AC phenomena in High T_c superconductors. There were used simpler models for presenting the stability mechanisms of AC regimes under which superconducting power devices are operated. From this point of view the work is actual and up to date.</p> <p>From the scientific point of view the detailed analysis of current instability mechanisms is interesting where the stages are indicated during AC overloaded regimes in high-T_c superconductors and superconducting tapes.</p>	<p>We agreed with reviewer.</p>
<u>Minor</u> REVISION comments	<p>Because of I am familiar mainly in experimental investigations it is difficult for me to express more detailed analysis of the presented work. It will be useful also to have review from the expert in theory.</p>	
<u>Optional/General</u> comments	<p>In my mind the Manuscript presents high scientific interest and may be published.</p>	