**Response to Reviewers comments**

We would like to thank the reviewers for their thorough reading and valuable comments. Their constructive criticisms and supportive suggestions helped us to improve the quality of this paper. Our replies to the comments are given below.

**Response to the comments of Reviewer C:**

1. Give the distance between the Figure and caption consistently, it should be distance between:

1. Body text to Figure (2 enter (10pt))

2. Figure to caption (1 enter (10pt))

3. Caption to body text (2 enter (10pt))

**Our response**

We really thankful to the reviewer for this comment, we modified in paper according template Figure and caption.

2.Give the distance between the Table and caption consistently, it should be distance between:

1. Body text to caption Table (2 enter (10pt))

2. Table to body text (2 enter (10pt))

**Our response**

We really thankful to the reviewer for this comment, we not included table in paper.

3. Complete each abbreviation in your manuscript. Check all the abbreviations in your paper and make sure they all have a length.

**Our response**

We really thankful to the reviewer for this comment, we checked all the abbreviations in paper.

* An Artificial Neuro-Fuzzy Inference System (ANFIS)
* A Distributed Static Compensator (DSTATCOM).
* Synchronous Reference Frame (SRF).
* Cascaded H-Bridge Multi Level Inverter (CHBMLI)

4.Sub-Figures 1(a)(b), 3(a)(b) are not mentioned in the text. If a figure contains subfigures, explain what the whole figure illustrates before explaining what the subfigures do.

**Our response**

We really thankful to the reviewer for this comment, we modified figure name Figure 1.CHBMLI-based DSTATCOM topology. (a) Single line diagram of DSTATCOM (b) CHB MLI

5. No main description/key phrases for Figures 9, Complete the description by explaining the relation of the images, why these images should be grouped together in the same image as subfigures, and not split up as several different images.

**Our response**

We really thankful to the reviewer for this comment,

Figure 9. Shows the hardware results of steady-state and transient state response of current waveforms. We explained in description relationship figures.

6. Use IEEE style references consistently and include DOI. Learn more at <https://ieeeauthorcenter.ieee.org/wp-content/uploads/IEEE-Reference-Guide.pdf>.

**Our response**

We really thankful to the reviewer for this comment, we used IEEE style references with DOI.

**Response to the comments of Reviewer F:**

1. The Paper Presents A New Application Of A Voltage Source Inverter As A DSTATCOM To Eliminate Harmonics Caused By Non-Linear Loads. The Authors Use A Combination Of Sliding Mode Control And Feedback Linearization To Design The Current Controller.

Can You Explain These Two Controls In More Detail? What Are Their Constituent Blocks In Matlab Simulink?

**Our response:**

We thankful to the reviewer comment, we added Feedback Linearization To Design The Current Controller in section 3.1

In addition, they propose an artificial adaptive neuro-fuzzy inference system (ANFIS) to improve the performance of DSTATCOM, resulting in an improved simulated response compared with the sliding-mode controller scheme.

Can you explain this technique further? Give the general block diagram on Matlab simulink?

We thankful to the reviewer comment, yes we explain genera block diagram on Matlab simulation. We workout matlab simulation MATLAB 2015a software.