



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_19893
Title of the Manuscript:	Fuzzy Adaptive Control Design of Induction Motor Speed Sensorless Based on MRAS
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:

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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	1, Study on parameter on-line tuning for induction motor has been explored for many years. Some feasible solutions have been applied in industries. The author presented a new kind of real-time parameter setting method but didn't proposed the merit against the available methods. 2, The author proposed the rotor flux module about voltage and current as shown in Figure 1. However, I think it would be better if the rotor flux observer is explained with equations. Generally, the presentation of flux observer is not detailed and lack the differences against other observers. 3, It lacked of necessary explanation for critical variables in the full text. 4, Regarding to Figure 3, the author proposed a new fuzzy controller to replace the traditional PID controller, but failed to give the training rule for the fuzzy controller.	1. I have modified the advantages of existing methods, which are equivalent to other methods; 2. I have modified the flux linkage equation; 3. I have modified the description of a number of variables; 4. Because the fuzzy rules are derived from production practice, all the specific derivations are omitted.
<u>Minor</u> REVISION comments	5, The author ignored the angle values which is the necessary variables in Park Transform(2s/2r) figure 4 6, An error has occurred in the simulation test. The load (60N.M) is applied at the time point 0.4s not 0.5s in figure 5.	5. In this paper, we do not need to provide a specific point of view, we can refer to the vector control method. 6. This paper has modified the error.
<u>Optional/General</u> comments		