Review of: "Grid-secluded Induction Generator with ANN and Intreval Type-2 Fuzzy based Controller for Wind Power Generation with Smart Load Control"

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Potential competing interests: No potential competing interests to declare.

The authors of this paper have examined an isolated induction generator based wind generation system. The interesting thing in this paper is MPPT strategy with smart load control which ultimately helps to extract optimal power out of the available wind. Although similar works have already been reported in many of the paper even with the variable speed wind turbines and working fine and robust enough. I have following further comments-

1. It is well known fact that the variable speed wind power generation are quite economic for the power generation from wind and that is why DFIG based generation are most popular, then why the authors are concentrating on induction generators which works perfectly only during the constant wind speed. Also, in an induction generator based scheme, full rated converter will be required which causes a big investment in the converters.
2. The dynamic modeling equations (1)-(11) and Fig. 1 and 2 are quite common and available in many of the text books.
3. The load voltage w.r.t. the generator speed, shown in Fig. 9 seems random. How one can conclude that the proposed approach (rated-proposed control) is good enough as compared to the other control?
4. There is the lack of explanation in Fig. 11-14, one cannot conclude the superiority of the proposed control which ultimately ask you a question that why you have developed this technique?