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## PWM ROTOR-FED INDUCTION GENERATOR BASED WIND TURBINE

BY

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**Abstract.** Modern wind turbines must be capable of adjustable speed operation. In order to carry out this desideratum, adjustable speed generators (ASGs) are used. In addition, most adjustable speed generator based wind turbines can offer island operation capability. The paper presents an island operation PWM rotor-fed induction generator based wind turbine system configuration. Simulations and measurements confirm the validity of the proposed wind turbine system.

**Keywords:** wind turbine, induction generator, PWM converter.