

## عنوان مقاله:

New Method for Controlling of Solar-Wind System

## محل انتشار:

اولین کنفرانس ملی مهندسی انرژی و نانو فناوری ایران (سال: 1395)

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## نویسنده:

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## خلاصه مقاله:

This paper offerings the simulation and analysis and control of a hybrid system centered on solar and wind system engaging a dc-dc boost converter and permanent magnet synchronous generator. Maximum power point tracking controllers of solar PV and wind system are functioning on perturb and perceive method that extract the maximum power from solar and wind springs. It needs the knowing of dc voltage and current output of solar PV and the rectified output voltage of PMSG motivated by a wind turbine. We implemented load leveling through battery means that the solar-wind hybrid structure equips with the battery to supply the load demand. We developed the modeling of the .system in MATLAB and MPPT control is considered during changing solar irradiance and wind speeds

## کلمات کلیدی:

Hybrid control systems, Solar panels, Renewable energy

## لینک ثابت مقاله در پایگاه سیویلیکا:

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