

## Accepted Manuscript

Title: A Tunnel Magnetoresistive Effect Wattmeters-based Wireless Sensors Network

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**Title page****Title**

A Tunnel Magnetoresistive Effect Wattmeters-based Wireless Sensors Network

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**Highlights**

- The use of tunnel magnetoresistive current sensors configured in Wheatstone bridge as analogue multipliers.
- The design of an analogue and digital acquisition system to extract different energy related measurands like active power, rms current or power factor.
- The design of a wireless sensor network to manage the power measurements and show in a web page the required information.

**Abstract:**

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