



Palermo|Italy|12th.15thJune2018



Call For Papers

SPECIAL SESSION

MONITORING, DIAGNOSIS AND RELIABILITY OF RENEWABLE ENERGY SOURCES

Organized and chaired by: Dr. Silvano Vergura, Politecnico di Bari (Italy)

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Objective and topics: The Special session will be focused on the issues related to the monitoring of the performance of Renewable Energy Sources (RES), on the diagnosis of failures of RES, on the reliability, and on the resilience. Often these systems are integrated in the electrical grid, constituting smart-grids, or inserted in micro-grids. Moreover, it's becoming very important the issue to charge electrical vehicles connected to the smart grids. Areas of interest include, but are not limited to:

- Photovoltaic systems
- Thermal systems
- Concentrating solar systems
- Concentrating photovoltaics and thermal (CPT) systems
- Wind systems
- Tidal systems
- Electric vehicles
- Storage systems for RES applications
- Innovative sensors and data acquisition systems
- Signal processing for NDT
- Technical diagnostics and prognostics
- Artificial intelligence techniques and machine learning for diagnostics
- Decision support and IT solutions for diagnostics
- IoT
- Modelling of renewable energy devices and systems
- Devices and systems in micro-grids context
- Devices and systems in smart grids context .

All the instructions for paper submission are included in the conference website:

<https://www.eeeic.net/eeeic/>