



2013 Prognostics and System Health Management Conference, PHM-2013

September 8-11, 2013, Milan, Italy

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CALL FOR PAPERS

PHM of Fuel Cell Systems

Fuel Cell Systems (FCS) appear nowadays to be a promising and alternative energy source to face economic and environmental challenges of modern society. However, even if this technology is close to being competitive, it is not yet ready to be considered for large scale industrial deployment: FCS still must be optimized, particularly by increasing their limited lifespan. This involves not only a better understanding of wearing processes but also requires emulating the behavior of the whole system. Furthermore, a new area of science and technology emerges: PHM of FCS is a field of scientific and industrial developments that should be increased.

The aim of this session is to gather experts and provide a forum for researchers and practitioners to discuss PHM of Fuel Cell Systems, and identify actual and future research challenges in the area.

Topics of interest include, but are not limited to:

- FCS' wearing phenomena analysis
- Non intrusive monitoring approaches for FCS
- Health assessment of FCS
- Methods for diagnosis and prognostics
- Benchmarks and validation datasets

Please submit your abstract through the conference website by selecting the proper topic (special session number **24**): <http://www.aidic.it/phm/abstractsubmission.html>. Also, please send a copy by email to the organizers of this special session.

Organizers:

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Please submit your abstract by: October 23, 2012