



2013 Prognostics and System Health Management Conference, PHM-2013

September 8-11, 2013, Milan, Italy

www.aidic.it/phm

CALL FOR PAPERS

PHM in Nuclear Industry

The nuclear industry is asked to improve safety, maintain availability and reduce operation and maintenance costs of the existing fleet of Nuclear Power Plants (NPPs). These objectives should be reached in a context in which many NNPs have obtained or are applying for license renewal and power up-rating. Considering the aging of NPP components and systems, there is a growing interest of the nuclear industry in new maintenance paradigms such as the Condition-Based Maintenance and the Predictive Maintenance, which requires the development and application of diagnostic and prognostic techniques. Incidentally, also the advanced technological solutions that are being proposed for the future nuclear power plants call for the development of new monitoring techniques.

In this context, the aim of this session is to gather experts and collect their contributions with regards to the development and application of PHM techniques in the nuclear industry. Both theoretical contributions and papers on practical applications are welcomed, to highlight the potential, the limitations, the criticalities and difficulties of PHM in the nuclear industry , and the needs for further developments.

We encourage you to submit an abstract for this session. Please submit your abstract through the conference website, <http://www.aidic.it/phm/abstractsubmission.html>, by selecting the proper topic (special session number 16). Also, please send a copy by email to . to francesco.dimaio@polimi.it.

Organizers:

Piero Baraldi
Energy Department,
Politecnico di Milano
Via Ponzio 34/3
20133 Milano
ITALY
piero.baraldi@polimi.it

Francesco Di Maio
Energy Department
Politecnico di Milano
Via Ponzio 34/3
20133 Milano
ITALY
francesco.dimaio@polimi.it

Enrico Zio
Chair on Systems Science and the
Energetic Challenge,
European Foundation for New Energy-
Electricité de France, Ecole Centrale Paris-
Supelec, Paris, France
&
Energy Department, Politecnico di Milano
Milano, Italy
enrico.zio@ecp.fr; enrico.zio@polimi.it

Please submit your abstract by: October 23, 2012