

## 9<sup>th</sup> EDF - LMS Poitiers Workshop "Improvement of Bearing Performance and Evaluation of Adverse Conditions"

FUTUROSCOPE – October 7, 2010

<http://edf-lms.conference.univ-poitiers.fr/>

### Workshop objectives and scope

This workshop is primarily intended to provide an opportunity for researchers and practitioners from Industry and Academia to gather and share knowledge regarding the improvement of bearing performance and the evaluation of adverse conditions. The conferences shall offer to the participants the opportunity to study the latest theories on this subject and to identify the problems met by industrials in a series of presentations. This event is the result of collaboration between the *Electricité de France Company* and the *Département GMSC* (formerly known as LMS) of the *Institut P'* (UPR 3346, CNRS-Université de Poitiers-ENSMA). Furthermore, the workshop is organised under the auspices of the French section of the ASME and of AFM.

### Keynote presenters:

**Mr. Barry BLAIR<sup>1</sup> and Dr. Guy PETHYBRIDGE<sup>2</sup>**

<sup>1</sup>Chief Engineer, Waukesha Bearing Corp, USA

<sup>2</sup>Global Product Manager, Waukesha Bearing Ltd, UK

**"Hydrodynamic Bearing Damage and Remediation of Contributing Factors in Rotating Machinery"**

### Main Topics:

- Modelling and experiments: hydrostatic, hydrodynamic, mixed and EHD lubrication,
- Multiphysic coupling: dynamic and thermal behaviour,
- Adverse conditions: misalignment, scoring damage, wear, coating degradation...
- Unusual lubrication: solid and water contaminations, emulsions...
- Condition monitoring: detection and control,
- Failures analyses and industrial feedback.

### Scientific Committee:

#### Département GMSC Poitiers:

M. FILLON (CNRS Director of Research),  
M. ARGHIR (Professor),  
J. BOUYER (Associate Professor),  
A. FATU (Associate Professor).

#### EDF R&D:

H. HENRY (Research Engineer),  
M. HELENE (PhD, EDF Research Engineer),  
P. VOINIS (Research Engineer).

### Organising Committee:

M. FILLON (CNRS Director of Research - Chairman)

[michel.fillon@univ-poitiers.fr](mailto:michel.fillon@univ-poitiers.fr)

M. HELENE (PhD, EDF Research Engineer),

P. MASPEYROT (Associate Professor),

J. BOUYER (Associate Professor),

P. JOLLY (Research Engineer),

S. OLIVIER / K. LOMBARD / D. LAGACHE (Secretary).

### Keynote Dates:

**May, 21** Abstract submission (1 page)

Preliminary application form sending

**May, 31** Acceptance date

**July, 7** Technical manuscript submission (8 pages)

Send abstracts and manuscripts (MSWord format) to:

[workshop@ml.univ-poitiers.fr](mailto:workshop@ml.univ-poitiers.fr)

### Additional Information:

- The manuscript will be written in English or French,
- The presentation of contributions will consist in oral communications (30 minutes including large discussions),
- The conference language is English preferably without simultaneous translation.

**Please send the preliminary application form below by mail or email before May, 21.**

Family Name: .....	First name: .....
Company: .....	Address: .....
Tel.: .....Fax: .....	
E-mail: .....	
<input type="checkbox"/> Delegate (without presentation) <input type="checkbox"/> Presenting author Title:..... <input type="checkbox"/> Exhibitor	

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