



10th EDF – Pprime Workshop
**"Condition Monitoring, Performance Improvement
 and Safe Operation of Bearings"**

FUTUROSCOPE – October 6 & 7, 2011

<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 conditions monitoring deserving improvement of bearing performance and their safe operation. 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* 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 presenter:

Dr. Tadashi TANAKA

Technology advisor, Daido Metal Co., Ltd., R&D Division, INUYAMA, Japan

"Approaches to safer operation of thrust and journal bearings for turbomachineries"

Main Topics:

- Bearing improvement via surface texture and new materials (PTFE, PEEK, ...),
- Bearing Standards,
- Modelling and experiments: hydrostatic, hydrodynamic, mixed and EHD lubrication,
- Condition monitoring: detection of adverse conditions and bearing damages (misalignment, coating degradation, fluid contamination, electrical discharges, ...)
- Industrial feedback on FMECA (Failure Modes, Effects and Criticality Analysis): applications and benefits.

Organising Committee:

- M. FILLON (CNRS Director of Research - Chairman)
michel.fillon@univ-poitiers.fr
- M. HELENE (PhD, EDF Research Engineer),
- P. MASPEYROT (Associate Professor),
- J. BOUYER (Associate Professor),
- P. JOLLY (Research Engineer),
- E. FERDINAND / K. LOMBARD / D. LAGACHE (Secretary).

Keynote Dates:

- May, 20** Abstract submission (1 page)
Preliminary application form sending
- May, 31** Acceptance date
- July, 8** Technical manuscript submission (8 to 10 pages)
Send abstracts and manuscripts (MSWord format) to:
workshop@ml.univ-poitiers.fr

Scientific Committee:

Département GMSC Poitiers:

- M. FILLON (CNRS Director of Research),
- M. ARGHIR (Professor),
- J. BOUYER (Associate Professor),
- A. FATU (Associate Professor),
- P. JOLLY (Research Engineer),
- P. MASPEYROT (Associate Professor).

EDF R&D:

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

Additional Information:

- The manuscript will be written in English or French,
- The presentation of contributions will consist in oral communications, in English preferably (30 minutes including large discussions).

Please send the preliminary application form below by mail or email before May, 20.

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| 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 | <p><i>Information</i></p> <p>Michel FILLON Estelle FERDINAND Tel.: +33 5 49 49 65 43 Tel.: +33 5 49 49 65 00 Fax: +33 5 49 49 65 04 E-mail: workshop@ml.univ-poitiers.fr</p> |
| <p>Institut P', CNRS - Université de Poitiers - ENSMA, UPR 3346 <i>Département GMSC</i>, SP2MI Téléport 2 Bd Marie et Pierre Curie, BP 30179 F86962 FUTUROSCOPE CHASSENEUIL cedex http://www-lms.univ-poitiers.fr</p> | |

