

Articles et Conférences scientifiques

Brevet

- B1** Method for monitoring a rotary element belonging to a mechanical transmission of a wind turbine, (2012), *Brevet Européen*, Hugo André, Didier Rémond, WO2012052694A1

Publications dans des revues indexées.

- A1** Introduction of Angularly Periodic Disturbances in Dynamic Models of Rotating Systems under Non-Stationary Conditions. Adeline Bourdon, Hugo André, Didier Rémond, (2014), *MSSP ; Volume 44, Issues 1–2, Pages 60–71*
- A2** Precision of the IAS Monitoring System based on the Elapsed Time method in the spectral domain, Hugo André, François Girardin, Adeline Bourdon, Jérôme Antoni, Didier Rémond, (2014), *MSSP ; Volume 44, Issues 1–2, Pages 14–30*
- A3** A multi-order probabilistic approach for Instantaneous Angular Speed tracking debriefing of the CMMNO'14 diagnosis contest, Quentin Leclère, Hugo André, Jérôme Antoni, issn: 0888-3270, (article accepté pour publication en 2016)
- A4** Modelling Deep Groove Ball Bearing localized defects inducing Instantaneous Angular Speed variations, José L. Gomez, Adeline Bourdon, Hugo André, Didier Rémond, *Tribology International* (2016), pp. 270-281

Présentation orale dans des conf. int., résumé publié dans des revues indexées.

- O1** On the use of the Instantaneous Angular Speed Measurement in Non Stationary Mechanism Monitoring. Hugo André, Adeline Bourdon, Didier Rémond, (2011), *International Conference of IDETC/CIE2011 held in Washington DC, USA*
[doi:10.1115/DETC2011-47470](https://doi.org/10.1115/DETC2011-47470)
- O2** IAS Monitoring of a 2MW Wind Turbine Using a Parameterization Process, Hugo André, Adeline Bourdon, Didier Rémond, (2012), *International Conference of CMMNO 2012 held in Hammamet, TUNISIA*
[doi: 10.1007/978-3-642-28768-8_44](https://doi.org/10.1007/978-3-642-28768-8_44)
- O3** Numerical Investigations on the Magnitude of Disturbance that could be detected through IAS Monitoring Adeline Bourdon, Hugo André, Didier Rémond, (2012), *International Conference of CMMNO 2012 held in Hammamet, TUNISIA*
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- O4** Modelling Roller Bearing Dynamics Inducing Instantaneous Angular Speed variations; Jose L. Gomez, Adeline Bourdon, Hugo André, Didier Rémond, (2014), *International Conference of 9th IFTOMM 2014 held in Milan, Italie*
[doi: 10.1007/978-3-319-06590-8](https://doi.org/10.1007/978-3-319-06590-8)

Présentation orale dans des conf. int., résumé publié dans des actes

- O5** Comparison between angular sampling and angular re-sampling methods applied on the vibration monitoring of a gear meshing in non stationary conditions. Hugo André, Ziad Daher, Jérôme Antoni, Didier Rémond, (2010), *International Conference of ISMA 2010 held in KU Leuven, BELGIUM*
- O6** A new way of writing motion equation in rotating machines by translation into the angular domain; Adeline Bourdon, Hugo André, Didier Rémond, (2010), *International Conference of 8th IFTOMM 2010 held in Séoul, SOUTH KOREA*
[ISBN: 9781618393470](https://doi.org/10.1007/9781618393470)
- O7** Shaft Line Monitoring based on the Instantaneous Angular Speed Observation;

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- O8** non-stationary conditions.; Adeline Bourdon, Didier Rémond, Hugo André, (2012), *National Conference of VCB 2012 held in Centre de recherche EDF de Clamar, FRANCE*

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- O9** Hugo André, Adeline Bourdon, Jérôme Antoni, Didier Rémond, (2012), *International Conference of ISMA 2012 held in KU Leuven, BELGIUM*

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- O10** influence of operating and environmental parameters; A. Bourdon, H. André, D. Rémond, (2013), *International Conference of 10th International Conference on Damage Assessment of Structures, DAMAS 2013 held in Dublin, Irlande*

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- O11** J. L. Gomez, A. Bahmani, H. André, D. Rémond, A. Bourdon, (2014), *International Conference of ISMA 2014 held in Leuven, Belgium*

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- O12** Girard, Thibaut Gouache, (2015), *Congrès Français de la Mécanique ; Lyon, France*

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Blade monitoring system field test, Architecture feedback and operational results; Hugo André, Dimitri

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