Michel Fillon

☎ : +33 5 49 49 65 43
Fax : +33 5 49 49 65 04
💻 : michel.fillon@univ-poitiers.fr

Google Scholar
Research Gate

LIST OF PUBLICATIONS

1 Thesis et Habilitation (HDR), Book Chapters, Editorial Contributions

[A.1] **FILLON M., (1985)**
"Contribution à l'étude des phénomènes thermiques dans les paliers à patins oscillants"
Doctorat de 3ème Cycle, Poitiers, 21 Mars.

[A.2] **FILLON M., (1995)**
Habilitation à Diriger les Recherches, Poitiers, 13 Juillet.

[A.3] **FRENE J., FILLON M., NICOLAS D., (2001)**
"PALIERS HYDRODYNAMIQUES – Aspects historiques et développements actuels."
"SURFACES, TRIBOLOGIE ET FORMAGE DES MATERIAUX", Les Presses de l'Ecole des Mines de Paris, ISBN 2-911762-25-8, chapitre « IV. TRIBOLOGIE », pp. 351-373.

[A.4] **FILLON M., DOBRICA M., (2009)**
"TRIBOLOGY RESEARCH ADVANCES", Chapter 1: *"Solving Thermohydrodynamic problems in sliding bearings: finite difference or finite volume methods."*
Material and Manufacturing Technology Series, Editeur: J. Paulo Davim, Nova Science Publishers, ISBN 978-1-60692-885-1, pp. 1-31.

[A.5] **FILLON M., OLVER A., editors (2010)**
Special Section on *"Surface Engineering and Surface Texture"*
in Journal of Engineering Tribology, Part J, ISSN: 1350-6501, eISSN: 2041-305X, Vol. 224, N° J8, éditorial page i et 7 publications pages 685-763.

[A.6] **BRUNETIERE N., FILLON M., editors (2012)**
Special Issue on *"Mixed Lubrication in Hydrodynamic Contacts"*
in Journal of Engineering Tribology, Part J, ISSN: 1350-6501, eISSN: 2041-305X, Vol. 226, N° J12, éditorial page 1009 (*DOI: 10.1177/1350650112467894*) et 9 publications pages 1010-1153.

[A.7] **FILLON M., editor (2013)**
"Section: Conformal-contact lubrication."
in Encyclopedia of Tribology, Wang, Q. Jane; Chung, Yip-Wah (Eds.), Springer, New York, ISBN 978-0-387-92896-8, eISBN 978-0-387-92897-5, 6 Volumes, 4139 pages.

[A.8] **DMOCHOWSKI W., CONLON M.J., DADOUCHE A., FILLON M., (2013)**
"Dynamic Characteristics of Fluid-Film bearings."
Encyclopedia of Tribology, Wang, Q. Jane; Chung, Yip-Wah (Eds.), Springer, New York, ISBN 978-0-387-92896-8, eISBN 978-0-387-92897-5, Vol. 2, pp. 801-808.

[A.9] **DMOCHOWSKI W., DADOUCHE A., FILLON M., (2013)**
"Finite difference method for film fluid bearings."
Encyclopedia of Tribology, Wang, Q. Jane; Chung, Yip-Wah (Eds.), Springer, New York, ISBN 978-0-387-92896-8, eISBN 978-0-387-92897-5, Vol. 2, pp. 1137-1143.

[A.10] **DOBRICA M., FILLON M., (2013)**
"Finite volume method for film fluid bearings."
Encyclopedia of Tribology, Wang, Q. Jane; Chung, Yip-Wah (Eds.), Springer, New York, ISBN 978-0-387-92896-8, eISBN 978-0-387-92897-5, Vol. 2, pp. 1157-1164.

[A.11] **DADOUCHE A., FILLON M., DeCAMILLO S., (2013)**
"Hydrodynamic fixed geometry thrust bearings."
Encyclopedia of Tribology, Wang, Q. Jane; Chung, Yip-Wah (Eds.), Springer, New York, ISBN 978-0-387-92896-8, eISBN 978-0-387-92897-5, Vol. 3, pp. 1718-1729.

[A.12] **DMOCHOWSKI W., DADOUCHE A., FILLON M., DeCAMILLO S., (2013)**
"Hydrodynamic tilting-pad journal bearings."
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[A.13] **DADOUCHE A., DeCAMILLO S., FILLON M., (2013)**
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[A.15] **DeCAMILLO S., DADOUCHE A., FILLON M., (2013)**
"Journal Bearings in Power Generation."
Encyclopedia of Tribology, Wang, Q. Jane; Chung, Yip-Wah (Eds.), Springer, New York, ISBN 978-0-387-92896-8, eISBN 978-0-387-92897-5, Vol. 3, pp. 1877-1887.

[A.16] **DOBRICA M., FILLON M., (2013)**
"Mixed Lubrication of Conformal Contact Interface."
Encyclopedia of Tribology, Wang, Q. Jane; Chung, Yip-Wah (Eds.), Springer, New York, ISBN 978-0-387-92896-8, eISBN 978-0-387-92897-5, Vol. 4, pp. 2284-2291.

[A.17] **DeCAMILLO S., DADOUCHE A., FILLON M., (2013)**
"Thrust Bearings in Power Generation."
Encyclopedia of Tribology, Wang, Q. Jane; Chung, Yip-Wah (Eds.), Springer, New York, ISBN 978-0-387-92896-8, eISBN 978-0-387-92897-5, Vol. 6, pp. 3682-3690.

[A.18] **GLOVNEA R., FILLON M., editors (2014-2015)**
Special Issue on *"Friction and Lubrication of Bearings"*
in Lubricants, ISSN: 2075-4442, 15 papers. http://www.mdpi.com/journal/lubricants/special_issues/bearings

[A.19] **FILLON M., LIU W., CANN P., co-editiors-in-chief (2015)**
Tribology International, Volume 82, Part A pp. 1-262 (February 2015) ISSN: 0301-679X
Tribology International, Volume 82, Part B pp. 263-586 (February 2015) 2013 Joint Event on Tribology in Lyon 40th Leeds-Lyon Symposium on Tribology. Leeds-Lyon at 40: is the past still present? and Tribochemistry 2013, the Satellite Forum of WTC'2013 Torino Exploring tribochemical processes ISSN: 0301-679X

[A.20] **FILLON M., LIU W., co-editiors-in-chief (2015)**
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Tribology International, Volume 87, pp. 1-178 (July 2015) ISSN: 0301-679X
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[A.21] **FILLON M., LIANG H., LIU W., co-editiors-in-chief (2015)**
Tribology International, Volume 89, pp. 1-134 (September 2015) The International Conference on BioTribology 2014 ISSN: 0301-679X
Tribology International, Volume 90, pp. 1-532 (October 2015) ISSN: 0301-679X
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Tribology International, Volume 92, pp. 1-604 (December 2015) ISSN: 0301-679X

[A.22] **FILLON M., LIANG H., LIU W., co-editiors-in-chief (2016)**
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[A.23] **FILLON M., LIANG H., LIU W., co-editiors-in-chief (2017)**
Tribology International, Volume 105, pp. 1-360 (January 2017) ISSN: 0301-679X
Tribology International, Volume 106, pp. 1-132 (February 2017) ISSN: 0301-679X
Tribology International, Volume 107, pp. 1-320 (March 2017) ISSN: 0301-679X
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Tribology International, Volume 116, pp. 1-490 (December 2017) ISSN: 0301-679X

2 Publications in International Journals

a) Research papers, technical paper and technical notes

[B.1] **BONCOMPAIN R., FILLON M., FRENE J., (1986)**
"Analysis of thermal effects in hydrodynamic bearings."
ASME Journal of Tribology, ISSN: 0742-4787, eISSN: 1528-8897, Vol. 108, N° 2, pp. 219-224. (*DOI:10.1115/1.3261166*)

[B.2] **BONCOMPAIN R., FILLON M., FRENE J., (1987)**
"Effets thermiques dans les paliers hydrodynamiques - Aspects théoriques et expérimentaux."
Journal de Mécanique Théorique et Appliquée, Vol. 6, N° 2, pp. 253-293.

[B.3] **FRIOU T., FRENE J., FILLON M., (1989)**
"Analyse thermischer Wirkungen in hydrodynamischen Kippsegmentgleitlagern - Theorie und Experimente."
Schmierungstechnik, Berlin 20, N° 7, pp. 209-214.

[B.4] **FILLON M., BLIGOUD J.C., FRENE J., (1992)**
"Experimental study of tilting-pad journal bearings - Comparison with theoretical thermoelastohydrodynamic results."
ASME Journal of Tribology, ISSN: 0742-4787, eISSN: 1528-8897, Vol. 114, N° 3, pp. 579-588. (*DOI:10.1115/1.2920920*)

[B.5] **DESBORDES H., FILLON M., CHAN HEW WAI C., FRENE J., (1994)**
"Dynamic analysis tilting-pad journal bearings - Influence of pad deformations."
ASME Journal of Tribology, ISSN: 0742-4787, eISSN: 1528-8897, Vol. 116, N°3, pp. 621-628. (*DOI:10.1115/1.2928890*)

[B.6] **DESBORDES H., FILLON M., FRENE J., CHAN HEW WAI C., (1995)**
"The effects of three-dimensional pad deformations on tilting-pad journal bearings under dynamic loading."
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[B.7] **BOUARD L., FILLON M., FRENE J., (1996)**
"Comparison between three turbulent models - Application to thermohydrodynamic performances of tilting-pad journal bearings."
Tribology International, ISSN: 0301-679X, Vol. 29, N°1, pp. 11-18. *(DOI: 10.1016/0301-679X(95)00028-3*)

[B.8] **FILLON M., DESBORDES H., FRENE J., CHAN HEW WAI C., (1996)**
"A global approach of thermal effects including pad deformations in tilting-pad journal bearings submitted to unbalance load."
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[B.9] **BOUARD L., FILLON M., FRENE J., (1996)**
"Thermohydrodynamic analysis of tilting-pad journal bearings operating in turbulent flow regime."
ASME Journal of Tribology, ISSN: 0742-4787, eISSN: 1528-8897, Vol. 118, N°1, pp. 225-231. (*DOI:10.1115/1.2837083*)

[B.10] **FILLON M., KHONSARI M.M., (1996)**
"Thermohydrodynamic design charts for tilting-pad journal bearings."
ASME Journal of Tribology, ISSN: 0742-4787, eISSN: 1528-8897, Vol. 118, N°1, pp. 232-238. (*DOI:10.1115/1.2837084*)

[B.11] **BOUCHOULE C., FILLON M., NICOLAS D., BARRESI F., (1996)**
"Experimental study of thermal effects in tilting-pad journal bearings at high operating speeds."
ASME Journal of Tribology, ISSN: 0742-4787, eISSN: 1528-8897, Vol. 118, N°3, pp. 532-538. (*DOI:10.1115/1.2831570*)

[B.12] **KHONSARI M.M., JANG J.Y., FILLON M., (1996)**
"On the generalization of thermohydrodynamic analyses for journal bearings."
ASME Journal of Tribology, ISSN: 0742-4787, eISSN: 1528-8897, Vol. 118, N°3, pp. 571-579. (*DOI:10.1115/1.2831576*)

[B.13] **MONMOUSSEAU P., FILLON M., FRENE J., (1997)**
"Transient thermoelastohydrodynamic study of tilting-pad journal bearings - Comparison between experimental data and theoretical results."
ASME Journal of Tribology, ISSN: 0742-4787, eISSN: 1528-8897, Vol. 119, N°3, pp. 401-407. (*DOI:10.1115/1.2833501*)

[B.14] **FILLON M., MONMOUSSEAU P., FRENE J., (1997)**
"Thermoélastohydrodynamique des paliers à patins oscillants en régime transitoire."
Revue Générale de Thermique (An International Journal of Thermal Sciences), Vol. 36, N°6, pp. 433-441.
(*DOI: 10.1016/S0035-3159(97)89560-8*)

[B.15] **MONMOUSSEAU P., FILLON M., FRENE J., (1998)**
"Transient thermoelastohydrodynamic study of tilting-pad journal bearings under dynamic loading."
ASME Journal of Engineering for Gas Turbines and Power, ISSN: 0742-4795, eISSN: 1528-8919, Vol. 120, N°2, pp. 405-409.
(*DOI:10.1115/1.2818137*)

[B.16] **MONMOUSSEAU P., FILLON M., FRENE J., (1998)**
"Transient Thermoelastohydrodynamic Study of Tilting-pad Journal Bearings - Application to Bearing Seizure."
ASME Journal of Tribology, ISSN: 0742-4787, eISSN: 1528-8897, Vol. 120, N° 2, pp. 319-324. (*DOI:10.1115/1.2831597*)

[B.17] **MONMOUSSEAU P., FILLON M., (1999)**
"Frequency Effects on the TEHD behavior of a Tilting-Pad Journal Bearing Under Dynamic Loading."
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[B.18] **KUCINSCHI B., FILLON M., (1999)**
"An Experimental Study of Transient Thermal Effects in a Plain Journal Bearing."
ASME Journal of Tribology, ISSN: 0742-4787, eISSN: 1528-8897, Vol. 121, N° 2, pp. 327-332. (*DOI:10.1115/1.2833940*)

[B.19] **MONMOUSSEAU P., FILLON M., (1999)**
"Analysis of Static and Dynamic Misaligned Tilting-Pad Journal Bearings."
Journal of Engineering Tribology, Part J, ISSN: 1350-6501, eISSN: 2041-305X, Vol. 213, N° J4, pp. 253-261.
(*DOI 10.1243/1350650991542640*)

[B.20] **DADOUCHE A., FILLON M., BLIGOUD J.C., (2000)**
"Experiments on Thermal Effects in a Hydrodynamic Thrust Bearing."
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[B.21] **MONMOUSSEAU P., FILLON M., (2000)**
"Transient Thermoelastohydrodynamic Analysis for Safe Operating Conditions of a Tilting-Pad Journal Bearing During Start-Up."
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[B.22] **KUCINSCHI B., FILLON M., FRENE J., PASCOVICI M., (2000)**
"A Transient Thermoelastohydrodynamic Study of Steadily Loaded Plain Journal Bearings using Finite Element Method Analysis."
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[B.23] **COSTA L., FILLON M., MIRANDA A.S., CLARO J.C.P., (2000)**
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[B.24] **PIERRE I., FILLON M., (2000)**
"Influence of Geometric Parameters and Operating Conditions on Thermohydrodynamic Behaviour of Plain Journal Bearings."
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[B.25] **COSTA L., CLARO J.C.P., FILLON M., MIRANDA A.S., (2001)**
"Experimental Study of the Influence of Changes in Load Direction on the Performance of a Crown Bearing."
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[B.26] **BOUYER J., FILLON M., (2002)**
"An Experimental Analysis of the Misalignment Effects on Hydrodynamic Plain Journal Bearing Performances."
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[B.27] **GLAVATSKIKH S., FILLON M., LARSSON R., (2002)**
"The Significance of Oil Thermal Properties on the Performance of a Tilting Pad Thrust Bearing."
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[B.29] **BOUYER J., FILLON M., (2003)**
"Improvement of the THD Performance of a Misaligned Plain Journal Bearing."
ASME Journal of Tribology, ISSN: 0742-4787, eISSN: 1528-8897, Vol. 125, N° 2, pp. 334-342. (*DOI:10.1115/1.1510883*)

[B.30] **COSTA L., MIRANDA A.S., FILLON M., CLARO J.C.P., (2003)**
"An analysis of the influence of oil supply conditions on the thermohydrodynamic performance of a single-groove journal bearing."
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(*DOI 10.1243/13506500360603561*)

[B.31] **COSTA L., MIRANDA A.S., CLARO J.C.P., FILLON M., (2003)**
"Temperature, flow, and eccentricity measurements in a journal bearing with a single axial groove at 90° to the load line."
Lubrication Science, ISSN: 0954-0075, eISSN: 1557-6833, Vol. 15, N° 2, pp. 147-161. (*DOI 10.1002/ls.3010150205*)

[B.32] **FILLON M., BOUYER J., (2004)**
"Thermohydrodynamic Analysis of a Worn Plain Journal Bearing."
Tribology International, ISSN: 0301-679X, Vol. 37, N°2, pp. 129-136. (*DOI: 10.1016/S0301-679X(03)00051-3*)

[B.33] **PIERRE I., BOUYER J., FILLON M., (2004)**
"Thermohydrodynamic Behavior of Misaligned Plain Journal Bearings – Theoretical and Experimental Approaches."
STLE Tribology Transactions, ISSN: 1040-2004, eISSN: 1547-397X, Vol. 47, N°4; pp. 594-604.
(*DOI 10.1080/05698190490513974*)

[B.34] **BOUYER J., FILLON M., (2004)**
"On the Significance of Thermal and deformation Effects of a Plain Journal Bearing Subjected to Severe Operating Conditions."
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[B.35] **BOUYER J., FILLON M., (2004)**
"Relevance of thermoelastohydrodynamic model in the analysis of a plain journal bearing subjected to severe operating conditions."
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[B.36] **FILLON M., (2005)**
"On the thermal effects in hydrodynamic journal bearings."
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[B.37] **DOBRICA M., FILLON M., (2005)**
"Reynolds' model suitability in simulating Rayleigh step bearing THD problems."
STLE Tribology Transactions, ISSN: 1040-2004, eISSN: 1547-397X, Vol. 48, N°4; pp. 522-530.
(*DOI 10.1080/05698190500385088*)

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"Unique performance aspects of PTFE-lined thrust bearings."
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[B.39] **GLAVATSKIH S., FILLON M., (2006)**
"TEHD analysis of thrust bearings with PTFE-faced pads."
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[B.40] **DOBRICA M., FILLON M., (2006)**
"Thermohydrodynamic Behavior of a Slider Pocket Bearing."
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[B.41] **DADOUCHE A., FILLON M., DMOCHOWSKI W., (2006)**
"*Performance of a Hydrodynamic Fixed Geometry Thrust Bearing: Comparison Between Experimental Data and Numerical Results."*
STLE Tribology Transactions, ISSN: 1040-2004, eISSN: 1547-397X, Vol. 49, N°3; pp. 419-426.
(*DOI 10.1080/10402000600781457*)

[B.42] **DOBRICA M., FILLON M., MASPEYROT P., (2006)**
"Mixed EHD Lubrication in partial journal bearings – Comparison between deterministic and stochastic models."
ASME Journal of Tribology, ISSN: 0742-4787, eISSN: 1528-8897, Vol. 128, N° 4, pp. 778-788. (*DOI:10.1115/1.2345404*)

[B.43] **HARGREAVES D., FILLON M., (2007)**
"Analysis of Tilting Pad Journal Bearing to avoid Pad Fluttering.",
Tribology International, ISSN: 0301-679X, Vol. 40, N°4, pp. 607-612. *(DOI 10.1016/j.triboint.2005.11.019*)

[B.44] **BRITO F.P., MIRANDA A.S., BOUYER J., FILLON M., (2007)**
"Experimental Investigation of the Influence of Supply Temperature and Supply Pressure on the Performance of a Two Axial Groove Hydrodynamic Journal Bearing."
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[B.45] **BOUYER J., FILLON M., PIERRE-DANOS I., (2007)**
"Influence of wear on the behavior of a two-lobe hydrodynamic journal bearing subjected to numerous start-ups and stops."
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[B.46] **FILLON M., DMOCHOWSKI W., DADOUCHE A., (2007)**
"Numerical study of the sensitivity of tilting pad journal bearing performance characteristics to manufacturing tolerances: steady state analysis."
STLE Tribology Transactions, ISSN: 1040-2004, eISSN: 1547-397X, Vol. 50, N°3; pp. 387-400.
(*DOI 10.1080/10402000701429246*)

[B.47] **TALA IGHIL N., MASPEYROT P., FILLON M., BOUNIF A., (2007)**
"Effects of surface texture on journal-bearing characteristics under steady-state operating conditions."
Journal of Engineering Tribology, Part J, ISSN: 1350-6501, eISSN: 2041-305X, Vol. 221, N° J6, pp. 623-633.
(*DOI 10.1243/13506501JET287***)**

[B.48] **DOBRICA M., FILLON M., (2007)**
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Discussion: "A Finite Volume Analysis of the Thermohydrodynamic Performance of Finite Journal Bearings" (Han, T., and Paranjpe, R. S., 1990, ASME J. Tribol., 112, pp. 557–565)
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3 International Conferences with Proceedings

a) Invited Conférences

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"Solving thermohydrodynamic problems in slider bearings: finite difference or finite volume methods?"
International Workshop on Modelling and Numerical Methods in Lubrication Technologies, La Coruña, Espagne, 6-7 septembre, (2007).

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[C.a4] **CLARO J.C.P., MIRANDA A., COSTA L., BRITO F.P., FILLON M.**
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[C.a5] **FILLON M.**
"Development of hydrodynamic journal and thrust bearings during the last half century."
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b) Other Conferences

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"Etude expérimentale de l'effet thermique dans les paliers à patins oscillants."
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[C.4] **FILLON M., SOUCHET D., FRENE J.**
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[C.7] **BOUCHOULE C , FILLON M., FRENE J., NICOLAS D.**
"Hydrodynamic journal and thrust bearing damage."
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[C.8] **KADDOURI M., BELFALS L., FILLON M., NICOLAS D.**
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[C.9] **BOUARD L., FILLON M., FRENE J.**
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[C.11] **MONMOUSSEAU P., FILLON M., FRENE J.**
"The seizure of tilting-pad journal bearings by overheating during rapid start-up."
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[C.12] **MONMOUSSEAU P., FILLON M., FRENE J.**
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[C.19] **PIERRE I., FILLON M., BOUYER J.**
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[C.22] **BOUYER J., FILLON M.**
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[C.23] **BOUYER J., FILLON M.**
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4 Publications in National Journals

[D.1] **FILLON M., FRENE J., (1990)**
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[D.2] **NICOLAS D., FILLON M., (1991)**
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[D.3] **DADOUCHE A., FILLON M., (2000)**
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[D.5] **BRITO F.P., BOUYER J., FILLON M., MIRANDA A.S., (2006)**
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[D.7] **AHMED S.A., FILLON M., (2007)**
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5 National Conferences with Proceedings

a) Invited Conferences

[E.a1] **FILLON M.**
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[E.17] **BOUYER J., FILLON M.**
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[E.21] **DOBRICA M., FILLON M**.
"Analyse numérique du régime THD dans un patin échelon – Comparaison entre les modèles de Reynolds et de Navier-Stokes."
17ème Congrés Français de Mécanique, Troyes, 29 Août – 2 Septembre, CD, n°295, 6 pages, (2005).

[E.22] **AHMED S.A., FILLON M.**
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"Etude de paliers hydrodynamiques présentant de fortes discontinuités géométriques."
22ème Congrès Français de Mécanique, Lyon, 24-28 Août, CD, 8 pages, (2015).

6 Communications & International Conferences without Prodeedings

a) Invited Conferences

[F.a1] **FILLON M.**
"Thermal effects in hydrodynamic journal and thrust bearings."
Conférence invitée, Congrès International sur la Mécanique Avancée CIMA'2010, Annaba, Algérie, 23-25 May, Séance plénière, pp. 55, (2010).

[F.a2] **FILLON M., DOBRICA M.**
"Influence of scratches on journal bearings performances: parametric and case studies."
National Tribology Conference (NTC-2011), Roorkee, India, 8-10 December, (2011).

[F.a3] **FILLON M.**
"A review of current friction reduction technologies – Prospects for marine applications."
1st MARINELIVE Conference -on "All Electric Ship" Session: Friction Reduction in Marine Propulsion Systems, Athens, Greece, 3-5 May (2012).

[F.a4] **FILLON M.,**
"Textured surface effects in hydrodynamic slider, journal and thrust bearings."
Workshop à l'Université de Badji Mokhtar, Annaba, Algérie, 2-3 June, (2013).

[F.a5] **FILLON M.**
"Effects of Artificial Surface Texturing on the Frictional Characteristics of Hydrodynamically Lubricated Thrust Bearings."
2nd MARINELIVE Conference -on "All Electric Ship", Athens, Greece, 12-13 February (2014).

[F.a6] **FILLON M.**
"TEHD Performance of tilting-pad journal bearings under transient regime."
9th IFToMM International Conference on Rotor Dynamics IFToMM ICORD 2014, Milan, Italy, 22-25 September, (2014).

[F.a7] **FILLON M., FRENE J., BOUYER J.**
"Historical aspects and recent development on friction in hydrodynamic lubrication."
International Scientific Symposium "Hydrodynamic Lubrication Theory XXI", Oryol, Russia, May 26-28, (2016).

[F.a8] **FILLON M.**
"Influence of thermal effects and solid deformations on the performance of hydrodynamic tilting-pad bearings."
Rotrib'16, Galati, Romania, September 22-24, Plenary session, (2016).

[F.a9] **FILLON M.**
"Past studies and recent developments on hydrodynamic journal and thrust bearings."
ECOTRIB 2017, Ljubljana, Slovenia, 7-9 June 2017, Plenary session, (2017).

b) Other conferences

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[F.2] **FRIOU T., FRENE J., FILLON M.**
"Analysis of thermal effects in hydrodynamic bearings. Theory and experiments."
19th International Symposium on Lubrication Engineering, TRIBO'88, 17-19 Mai, Allemagne de l'Est, 23 pages, (1988).

[F.3] **FILLON M., FRENE J., BONCOMPAIN R., FRIOU T.**
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Workshop on Thermal Problems in Tribology, 19-20 Mai, Atlanta, USA, 10 pages, (1988).
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[F.4] **FILLON M., SOUCHET D., FRENE J.**
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[F.5] **FILLON M., BLIGOUD J.C., FRENE J.**
"Experimental study of tilting-pad journal bearings - Comparison with theoretical thermoelastohydrodynamic results."
STLE/ASME Tribology Conference, 13-16 Octobre, Saint Louis, 9 pages, (1991).

[F.6] **DESBORDES H., FILLON M., CHAN HEW WAI C., FRENE J.**
"Dynamic analysis tilting-pad journal bearings - Influence of pad deformations."
STLE-ASME Tribology Conference , New-Orleans, 24-27 octobre (1993).

[F.7] **DESBORDES H., FILLON M , FRENE J., CHAN HEW WAI C.**
"The effects of three-dimensional pad deformations on tilting-pad journal bearings under dynamic loading."
STLE-ASME Tribology Conference , Maui, 16-19 octobre (1994).

[F.8] **FILLON M., DESBORDES H., FRENE J., CHAN HEW WAI C.**
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STLE-ASME Tribology Conference , 95-TRIB-10, Orlando, 8-11 octobre (1995).

[F.9] **BOUARD L., FILLON M., FRENE J.**
"Thermohydrodynamic analysis of tilting-pad journal bearings operating in turbulent flow regime."
STLE-ASME Tribology Conference, 95-TRIB-19, Orlando, 8-11 octobre (1995).

[F.10] **BOUCHOULE C., FILLON M., NICOLAS D., BARRESI F.**
"Experimental study of thermal effects in tilting-pad journal bearings at high operating speeds."
STLE-ASME Tribology Conference , 95-TRIB-49, Orlando, 8-11 octobre (1995).

[F.11] **FILLON M., KHONSARI M.M.**
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STLE-ASME Tribology Conference , 95-TRIB-20, Orlando, 8-11 octobre (1995).

[F.12] **KHONSARI M.M., JANG J.Y., FILLON M.**
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STLE-ASME Tribology Conference, 95-TRIB-57, Orlando, 8-11 octobre (1995).

[F.13] **MONMOUSSEAU P., FILLON M., FRENE J.**
"Transient thermoelastohydrodynamic study of tilting-pad journal bearings - Comparison between experimental data and theoretical results."
STLE-ASME Tribology Conference, 96-TRIB-29, San Francisco, 13-17 octobre (1996).

[F.14] **MONMOUSSEAU P., FILLON M., FRENE J.**
"Transient thermoelastohydrodynamic study of tilting-pad journal bearings under dynamic loading."
ASME Turbo Expo'97 - Land, Sea and Air, IGTI, 97-GT-400, Orlando, 2-5 Juin, (1997).

[F.15] **MONMOUSSEAU P., FILLON M., FRENE J.**
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World Tribology Congress, 97-TRIB-26, London, 8-12 September, pp. 8, (1997).

[F.16] **MONMOUSSEAU P., FILLON M.**
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STLE-ASME Tribology Conference, 98-TRIB-20, Toronto, 25-29 octobre, (1998).

[F.17] **KUCINSCHI. B., FILLON M.**
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STLE-ASME Tribology Conference, 98-TRIB-16, Toronto, 25-29 octobre, (1998).

[F.18] **FILLON M.**
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Dudley D. Fuller Fluid-Film Bearing Symposium, 21 & 22 Juillet, OAI Cleveland, (1999).

[F.19] **COSTA L., FILLON M., MIRANDA A.S., CLARO J.C.P.**
"An Experimental Investigation of the Effect of Groove Location and Supply Pressure on the THD Performance of Steadily Loaded Journal Bearing."
STLE-ASME Tribology Conference, 99-TRIB-8, Orlando, 11-13 Octobre, (1999).

[F.20] **KUCINSCHI. B., FILLON M., PASCOVICI M., FRENE J.**
"A Transient Thermoelastohydrodynamic Study of Steadily Loaded Plain Journal Bearings using Finite Element Method Analysis."
STLE-ASME Tribology Conference, 99-TRIB-15, Orlando, 11-13 Octobre, (1999).

[F.21] **BOUYER J., FILLON M.**
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STLE-ASME Tribology Conference, 01-TRIB-66, San Francisco, 21-24 Octobre, (2001).

[F.22] **GLAVATSKIKH S., FILLON M., LARSSON R.**
"On the Significance of Oil Thermal Properties on the Performance of a Tilting Pad Thrust Bearing."
STLE-ASME Tribology Conference, 01-TRIB-63, San Francisco, 22-24 Octobre, (2001).

[F.23] **PIERRE I., BOUYER J., FILLON M.**
"Thermohydrodynamic Behavior of Misaligned Plain Journal Bearings – Theoretical and Experimental Approaches."
STLE 58th Annual Meeting, New York, April 28 – May 1, (2003).

[F.24] **BOUYER J., FILLON M.**
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STLE-ASME Tribology Conference, 2003-TRIB-163, Ponte Vedra Beach, 26-29 Octobre, (2003).

[F.25] **GLAVATSKIH S., FILLON M.**
"TEHD Analysis of thrust bearings with PTFE-faced pads."
STLE-ASME Tribology Conference, TRIB-04-1182, Long Beach, 24-27 Octobre, (2004).

[F.26] **FILLON M., GLAVATSKIH S.**
"PTFE-faced center pivot thrust pad bearings: factors affecting TEHD performance."
Book of synopses of the International Tribology Conference, ITC 2005 Kobe, B-24, pp. 156, 29 mai-2 juin, (2005).

[F.27] **FILLON M., DADOUCHE A., DMOCHOWSKI W.**
"*Sensitivity of tilting pad journal bearing performance characteristics to manufacturing tolerances****."***
STLE 61st Annual Meeting, Calgary, May 7-11, (2006).

[F.28] **KUZNETSOV E., GLAVATSKIKH S., FILLON M.**
"THD analysis of a compliant journal bearing considering liner deformation."
4th World Tribology Congress 2009, CD, P-126, pp. 216, Kyoto, Japan, 6-11 septembre, (2009).

[F.29] **KASAI M., FILLON M., BOUYER J.**
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4th World Tribology Congress 2009, CD, B2-234, pp. 302, Kyoto, Japan, 6-11 septembre, (2009).

[F.30] **BOUYER J., FILLON M., VALLE V.**
"Stick-slip phenomenon induced by friction in a plain journal bearing during start-up."
4th World Tribology Congress 2009, CD, F-132, pp 101, Kyoto, Japan, 6-11 septembre, (2009).

[F.31] **KASAI M., FILLON M., BOUYER J.**
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37th Leeds-Lyon Symposium, Leeds, 7-10 September, (2010).

[F.32] **HENRY Y., BOUYER J., FILLON M., DELAMOUR F.**
"Experimental study of a hydrodynamic thrust bearing with a parallel flat surface."
38th Leeds-Lyon Symposium, Lyon, 6-9 September, (2011).

[F.33] **BRITO F.P., MIRANDA A.S., TEIXEIRA J.C., COSTA L., FILLON M.**
"Prediction of Journal Bearing Performance with Realistic Feeding Conditions."
ASME/STLE IJTC2011, Los Angeles, 23-26 octobre, IJTC2011-61216, (2011).

[F.34] **CRISTEA A.F., BOUYER J., FILLON M., PASCOVICI M.D.**
"Experimental investigation of the operating characteristics of a circumferential groove journal bearing."
ITC 2011, International Tribology Conference, Hiroshima, October 30 - November 3, CD, Abstract F2-14, 1 page, (2011)

[F.35] **HARIKA E., BOUYER J., FILLON M., HELENE M.**
"Influence of water-in-oil mixture as a lubricant on hydrodynamic bearing performance."
ASME/STLE IJTC2012, Denver, 7-10 octobre, IJTC2012-61217, (2012).

[F.36] **BOUYER J., NAKANO Y., HANAHASHI M., FILLON M.**
"Experimental investigation on a hydrodynamic tilting-pad thrust bearing operating under unusual condition."
STLE 68th Annual Meeting, Detroit, May 5-9, (2013).

[F.37] **A. CHARITOPOULOS, D. FOUFLIAS, C. PAPADOPOULOS, L. KAIKTSIS, FILLON M.**
"Thermohydrodynamic Analysis of a Textured Sector-Pad Thrust Bearing: Effects on Mechanical Deformations."
2nd MARINELIVE Conference on "All Electric Ship", Session A6: Tribology, Athens, Greece, 12-13 February, (2014).

[F.38] **D. FOUFLIAS, A. CHARITOPOULOS, C. PAPADOPOULOS, L. KAIKTSIS, FILLON M.**
"CFD Thermohydrodynamic Analysis of Textured, Pocket and Tapered-land Sector-pad Thrust Bearings."
2nd MARINELIVE Conference on "All Electric Ship", Session A6: Tribology, Athens, Greece, 12-13 February, (2014).

[F.39] **BOUYER J., HENRY Y., FILLON M.**
"Experimental measurement of the friction torque in hydrodynamic thrust bearings."
1st African Conference in Tribology, ACT'14, Marrakech, 27-30 April, N°31945, 1 page, (2014).

[F.40] **FOUFLIAS D., HENRY Y., CHARITOPOULOS A., PAPADOPOULOS C.I., KAIKTSIS L., FILLON M., BOUYER J.**
"Textured, pocket and tapered-land sector-pad thrust bearings: Comparison between experiments and CFD thermohydrodynamic simulations."
1st African Conference in Tribology, ACT'14, Marrakech, 27-30 April, N°32744, 1 page, (2014).

[F.41] **TALA-IGHIL N., FILLON M., MOKHTARI A., BRICKCHAOUCHE A.**
"Comparative analysis of surface texturing effect on the performance of hydrodynamic journal bearings."
1st African Conference in Tribology, ACT'14, Marrakech, 27-30 April, N°30592, 1 page, (2014).

[F.42] **CRISTEA A.F., BOUYER J., FILLON M., PASCOVICI M.D.**
"Transient performance parameters measurements of a circumferential groove journal bearing."
BALKANTRIB'14, 8th International Conference on Tribology, 30 October - 1 November, Sinaia, Roumanie, 1 page, (2014).

[F.43] **BOUYER J., HENRY Y., FILLON M.**
"Experimental analysis of the influence of dimple depth on the performance of a partially textured pad thrust bearing."
STLE 70th Annual Meeting, Dallas, May 17-21, (2015).

[F.44] **FILLON M.**
"Performance predictions of tilting-pad journal bearings under thermoelastohydrodynamic regime."
20th International Colloquium Tribology, Industrial and Automotive Lubrication, Stuttgart/Ostfildern, Germany, 12–14 January, 1 page, (2016).

[F.45] **BOUYER J., FILLON M., KATSUKI H.**
"Transient performance of tilting-pad journal bearings coated with PEEK or white metal."
STLE 71st Annual Meeting, Las Vegas, May 15-19, (2016).

[F.46] **BOUYER J., ALEXANDRE Y., FILLON M.**
"Experimental study of a scratched journal bearing."
2nd African Conference in Tribology, ACT'17, Marrakech, 16-19 April, 1 page, (2017).

[F.47] **BOUAYACH Y., BOUYER J., FILLON M.**
"Testing wet clutch: friction behavior on pin on disc test rig."
2nd African Conference in Tribology, ACT'17, Marrakech, 16-19 April, 1 page, (2017).

[F.48] **JOLLY P., BOUYER J., FILLON M.**
"A new test rig for performance evaluation of hydrodynamic journal bearings under industrial conditions."
2nd African Conference in Tribology, ACT'17, Marrakech, 16-19 April, 1 page, (2017).

[F.49] **MOKHTARI A., TALA IGHIL N., FILLON M.**
"Study of the polypropylene behavior on a local scale using the nano-indentation technique."
2nd African Conference in Tribology, ACT'17, Marrakech, 16-19 April, 1 page, (2017).

[F.50] **PAP B., FILLON M., GEDIN P., BECK G.**
"TEHD performance of fluid film bearings supporting highly loaded gears in epicyclic transmission systems – Influence of gear tooth geometry."
STLE 72nd Annual Meeting, Atlanta, May 21-25, (2017).

[F.51] **GIRAUDEAU C., BOUYER J., FILLON M., HELENE M., BEAURAIN J.**
"Experimental study of the influence of the misalignment induced by scratches on the performance of a two-lobe journal bearing."
STLE 72nd Annual Meeting, Atlanta, May 21-25, (2017).

[F.52] **HENRY Y., BOUYER J., FILLON M.**
"Experimental analysis of the hydrodynamic effect during start-up of fixed geometry thrust bearings."
STLE 72nd Annual Meeting, Atlanta, May 21-25, (2017).

7 Communications, Workshops & National Conferences without Proceedings

[G.1] **FRENE J., FILLON M.**
"Optimisation d'actionneurs hydrauliques par réduction des frottements."
Journées Automatisation et Robotique Avancées, Besançon, Novembre, 3 pages, (1983).

[G.2] **FILLON M., FRENE J.**
"La lubrification"
Conférence sur la Tribologie, TECH'MAT, 13-15 Mars, Le Bourget, (1990).

[G.3] **NICOLAS D., FILLON M.**
"Réflexions sur les guidages de machines tournantes."
Journées de la Société Française de Tribologie, S.F.T.'90, Poitiers 4-5 Avril, (1990).

[G.4] **FILLON M., MONMOUSSEAU P., FRENE J.**
" Thermoélastohydrodynamique des paliers à patins oscillants - Effets transitoires de démarrage et régime permanent."
Journée d'études de la Société Française des Thermiciens et de la Société Tribologique Française, Paris, 19 juin, (1996).

[G.5] **FILLON M.**
"Simulations on Start-Up period on Plain and Tilting-Pad Journal Bearings."
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[G.6] **FILLON M.**
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[G.7] **FILLON M.**
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[G.9] **FILLON M.**
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Workshop on Recent Trends in Lubrication Engineering, Manipal University, Inde, 24-28 novembre, pp. F1-F30, (2003).

[G.11] **FILLON M.**
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Journée Société Française de Thermique – AFM, Aspects Thermiques et Mécaniques des Interfaces Solide-Solide. Récents Développements., Paris, 11 décembre, (2003).

[G.12] **DOBRICA M., MINET C., BRUNETIERE N., FILLON M., MASPEYROT P., TOURNERIE B.**
"Influence de la rugosité des surfaces dans les contacts lubrifiés."
Workshop Caractérisation multi-échelle de la rugosité – Analyse d'images de topographie, Futuroscope, 11 Octobre, (2007).

[G.13] **FILLON M., BOUYER J.**
"Problem of Wear in Hydrodynamic Journal Bearings."
Short Term Course on Bearing Technology and Maintenance, Indian Institute of Technology Roorkee, Inde, 3-6 décembre, (2008).

[G.14] **FILLON M., BOUYER J.**
"Thermal Effects in Misaligned Plain Journal Bearings."
Short Term Course on Bearing Technology and Maintenance, Indian Institute of Technology Roorkee, Inde, 3-6 décembre, (2008).

[G.15] **FILLON M., DOBRICA M., TALA IGHIL N., MASPEYROT P.**
"Surface Texturing Effects in Lubricated Contacts (slider bearings, journal bearings)."
Short Term Course on Bearing Technology and Maintenance, Indian Institute of Technology Roorkee, Inde, 3-6 décembre, (2008).

[G.16] **FILLON M.**
"Transient Thermal Effects in Tilting-pad Journal Bearings."
Short Term Course on Bearing Technology and Maintenance, Indian Institute of Technology Roorkee, Inde, 3-6 décembre, (2008).

[G.17] **HARIKA E., PIERRE-DANOS I., BOUYER J., FILLON M., JARNY S., MONNET P.**
"Comportement rhéologique du mélange eau-huile : application à la lubrification."
Journées Francophones de Tribologie JFT'2009, poster, Compiègne, 5-6 mai, (2009).

[G.18] **PAP B., BECK G., FILLON M., GEDIN P.**
"Modélisation Elasto-hydrodynamique des paliers hydrodynamiques – Application dans les transmissions de puissance."
Journées Transmissions Mécaniques, Lyon, 11 & 12 juillet, (2016).

8 Conferences, Lectures et Seminars

[H.1] **FILLON M.**
"Etude thermoélastohydrodynamique des paliers à patins oscillants."
POLITEHNICA University of Bucharest, Romania, March, (1993).

[H.2] **FILLON M.**
"Thermal effects in tilting-pad journal bearings operating in non laminar flow regime."
Texas A&M University, College Station, USA, September, (1995).

[H.3] **FILLON M.**
"Non-linear analysis of tilting-pad journal bearings including pad deformations and thermal effects."
Texas A&M University, College Station, USA, October, (1995).

[H.4] **FILLON M.**
"La thermoélastohydrodynamique dans les paliers."
Réunion du groupe de travail « Interaction fluide structure machines tournantes » de la SHF, Futuroscope, France, October, (1996).

[H.5] **FILLON M.**
"Transient thermal effects in tilting-pad journal bearings."
Université de Minho, Guimaraes, Portugal, November, (1996).

[H.6] **FILLON M.**
"A study of transient thermal effects in tilting-pad journal bearings: comparison between theoretical and experimental results and application to dynamic loads."
Université de Delaware, Newark, USA, May, (1997).

[H.7] **FILLON M.**
"The transient thermal effects in tilting-pad journal bearings: application to start-up and bearing seizure."
Université de Tokyo, Japan, December, (1998).

[H.8] **FILLON M.**
"Le problème des effets thermiques dans les paliers hydrodynamiques durant les phases de démarrage."
Institut Polytechnique d'Hanoi, Vietnam, December, (1998).

[H.9] **FILLON M.**
"The importance of thermal effects in fluid film bearings."
Université de Lulëa, Sweden, March, (2000).

[H.10] **FILLON M.**
"Les effets thermiques transitoires dans les paliers à patins oscillants."
POLITEHNICA University of Bucharest, Romania, mai, (2001).

[H.11] **FILLON M.**
"Les phénomènes thermiques transitoires dans les paliers hydrodynamiques."
Université de Rennes 1, IRMAR, France, March, (2002).

[H.12] **FILLON M.**
"Etudes sur la lubrification hydrodynamique des paliers et des butées."
CETIM, Senlis, France, April, (2002).

[H.13] **FILLON M.**
"Thermal effects of misaligned plain journal bearings: theory and experimentation."
Gdansk University of Technology, Poland, April, (2003).

[H.14] **FILLON M.**
"The risk of seizure of tilting-pad journal bearings during start-up."
Gdansk University of Technology, Poland, April, (2003).

[H.15] **FILLON M.**
"Transient thermal effects and risk of seizure of tilting-pad journal bearings during start-up."
Kingsbury Inc., Philadelphia, USA, October, (2003).

[H.16] **FILLON M.**
"Misalignment effects in plain journal bearings."
Kingsbury Inc., Philadelphia, USA, October, (2003).

[H.17] **FILLON M.**
"Lubrification hydrodynamique des paliers et butées."
ENSAM de Châlons-en-Champagne, France, April, (2004).

[H.18] **FILLON M.**
"Les performances THD des paliers hydrodynamiques usés."
POLITEHNICA University of Bucharest, Romania, June, (2004).

[H.19] **FILLON M.**
"The risk of seizure of tilting-pad journal bearings during start-up."
National Research Council, Ottawa, Canada, September, (2005).

[H.20] **FILLON M.**
"The effects of misalignment on plain journal bearing performance."
Michell Bearings, Newcastle-upon-Tyne, United-Kingdom, February, (2006).

[H.21] **FILLON M.**
"Thermohydrodynamic Performance of a Worn Journal Bearing."
DANA, Rugby, United-Kingdom, February, (2006).

[H.22] **FILLON M.**
"The effects of misalignment on plain journal bearing performance."
University of New South Wales, Sydney, Australia, December, (2006).

[H.23] **FILLON M.**
"Paliers et butées hydrodynamiques – effets thermiques, déformation et lubrification mixte."
CETIM, Senlis, France, March, (2008).

[H.24] **FILLON M.**
"Validation of the Reynolds Equation in lubricated contact – Application to analysis of the mixed lubrication regime in heavily loaded bearings."
Elmer Lindseth Lecturer (Colloquium series), Cornell University, Ithaca, USA, April, (2008).

[H.25] **FILLON M.**
"About the influence of surface texturing on the hydrodynamic bearing performance."
Northwestern University, Evanston, USA, April, (2008).

[H.26] **BRITO F.P., MIRANDA A.S., CLARO J.C.P., FILLON M.**
"An Experimental Study of the Influence of feeding conditions on the Performance of a Journal Bearing."
Université POLITEHNICA de Bucarest, Romania, June, (2008).

[H.27] **FILLON M.**
"Mixed lubrication regime analysis in heavily loaded bearings."
Mini-symposium "Models, Methods and Applications in Lubrication Analysis", University of Vigo, Vigo, Spain, March, (2009).

[H.28] **FILLON M., DOBRICA M.**
"Influence of scratches on the behavior of a partial journal bearing."
Gdansk University of Technology, Poland, June, (2009).

[H.29] **FILLON M.**
"Research activities at the Laboratory of Solid Mechanics."
Idemitsu Kosan Co, Chiba, Japan, September, (2009).

[H.30] **FILLON M.**
"Mixed lubrication in journal bearings & TEHD analysis of PTFE-faced tilting pad thrust bearings."
Daido Metal Co, Inuyama, Japan, September, (2009).

[H.31] **FILLON M.**
"TEHD analysis of PTFE-faced tilting pad thrust bearings."
Mitsubishi Heavy Industries, Takasago, Japan, September, (2009).

[H.32] **FILLON M.**
"The influence of shaft misalignment on the performance of plain journal bearings."
National Technical University of Athens, Athens, Greece, December, (2012).

[H.33] **FILLON M.**
"The effect of wear in Hydrodynamic Journal Bearings."
National Technical University of Athens, Athens, Greece, December, (2012).

[H.34] **FILLON M.**
"Ways of reducing the bearing power losses – Effects of surface texturing."
University of Patras, Patras, Greece, December, (2012).

[H.35] **FILLON M.**
"Thermoelastohydrodynamic of tilting-pad journal bearings - Transient effects and permanent regime."
University of Sumy, Ukraine, April, (2013).

[H.36] **FILLON M.**
"Thermoelastohydrodynamic of tilting-pad journal bearings - Risk of seizure."
University of Sumy, Ukraine, April, (2013).

[H.37] **FILLON M.**
"Effect of misalignment in plain journal bearings under THD regime."
University of Sumy, Ukraine, April, (2013).

[H.38] **FILLON M.**
"Thermoelastohydrodynamic analysis of PTFE-faced and Babbitted tilting pad thrust bearings."
University of Sumy, Ukraine, April, (2013).

[H.39] **FILLON M.**
"Validation of the Reynolds Equation in lubricated contact – Application to analysis of the mixed lubrication regime in heavily loaded bearings."
University Polytechnic of Sao Paulo, Brazil, October, (2014).

[H.40] **FILLON M.**
"Analysis of textured surface effects in hydrodynamic bearings – Application to slider, thrust and journal bearings."
University Polytechnic of Sao Paulo, Brazil, October, (2014).

[H.41] **FILLON M., BOUYER J.**
"Des pistes sur l'amélioration des performances des paliers et butées hydrodynamiques."
Midi-Conférences, IREQ, Varennes, Canada, January, (2015).

[H.42] **FILLON M.**
"Comportement Thermoélastohydrodynamique (TEHD) des paliers à patins oscillants en régime transitoire."
Equipe TriboLub, Département GMSC, Institut Pprime, juin (2015).

[H.43] **FILLON M.**
"Hydrodynamic Experimental Validation."
Lecture, "*Summer School on Tribology Today: Modeling, Experiments & Applications*", INSA Lyon and KIT, Bad Herrenalb, Germany, June 29–July 3, (2015).

[H.44] **FILLON M.**
"Thermal effects in journal bearings: permanent and transient regime."
Lecture 1, "*The Center for Advanced Studies - the development of interdisciplinary doctoral studies at the Gdansk University of Technology in the key areas of the Europe 2020 Strategy*", Gdansk University of Technology, Poland, November, (2015).

[H.45] **FILLON M.**
"Analysis of misaligned journal bearings."
Lecture 2, "*The Center for Advanced Studies - the development of interdisciplinary doctoral studies at the Gdansk University of Technology in the key areas of the Europe 2020 Strategy*", Gdansk University of Technology, Poland, November, (2015).

[H.46] **FILLON M.**
"Influence of wear on plain journal bearing performance."
Lecture 3, "*The Center for Advanced Studies - the development of interdisciplinary doctoral studies at the Gdansk University of Technology in the key areas of the Europe 2020 Strategy*", Gdansk University of Technology, Poland, November, (2015).

[H.47] **FILLON M.**
"Textured surfaces influence on bearing performance."
Lecture 4, "*The Center for Advanced Studies - the development of interdisciplinary doctoral studies at the Gdansk University of Technology in the key areas of the Europe 2020 Strategy*", Gdansk University of Technology, Poland, November, (2015).

[H.48] **FILLON M.**
Thermal and deformations effects in tilting-pad thrust bearing operating under permanent regime."
Lecture 5, "*The Center for Advanced Studies - the development of interdisciplinary doctoral studies at the Gdansk University of Technology in the key areas of the Europe 2020 Strategy*", Gdansk University of Technology, Poland, November, (2015).

[H.49] **FILLON M.**
"Mixed lubrication regime analysis in heavily loaded bearings."
Lecture, *MSc Course on Advanced Bearing Technology*, Gdansk University of Technology, Poland, November, (2015).

[H.50] **FILLON M.**
"Mixed lubrication regime analysis in heavily loaded bearings."
Gdansk University of Technology, Poland, November, (2015).

[H.51] **FILLON M.**
"Mixed lubrication regime analysis in heavily loaded bearings."
Master, Gdansk University of Technology, Poland, November, (2015).

[H.52] **FILLON M.**
"Influence of thermal effects and pad deformations on the performance of PTFE-faced and Babbitted tilting-pad thrust bearings."
Bosch Research Center in Renningen, Germany, January, (2016).

[H.53] **FILLON M.**
"Mixed lubrication regime analysis in heavily loaded bearings."
Bosch Research Center in Renningen, Germany, January, (2016).

[H.54] **FILLON M.**
"Influence of mixed lubrication regime on the performance of heavily loaded bearings."
National Technical University of Athens, Greece, February, (2016).

[H.55] **FILLON M.**
"Influence of mixed lubrication regime on the performance of heavily loaded bearings."
University of Patras, Greece, February, (2016).

[H.56] **FILLON M.**
"Influence of mixed lubrication regime on the performance of heavily loaded bearings."
Oryol State University, Russia, May, (2016).

[H.57] **FILLON M.**
"Mixed lubrication regime analysis in heavily loaded bearings."
Seminar on Water Lubricated Bearings, Gdansk University of Technology, Poland, June, (2016).

[H.58] **FILLON M.**
"Thermoelastohydrodynamic of tilting-pad journal bearings – Permanent regime."
Lecture 1, Global Initiatives of Academic Network (GIAN), VJTI, Mumbai, India, 4-8 July, (2016).

[H.59] **FILLON M.**
"Thermoelastohydrodynamic of tilting-pad journal bearings – Transient effects and Risk of seizure."
Lecture 2, Global Initiatives of Academic Network (GIAN), VJTI, Mumbai, India, 4-8 July, (2016).

[H.60] **FILLON M.**
"The effect of wear in Hydrodynamic Journal Bearings – Session-I."
Lecture 3, Global Initiatives of Academic Network (GIAN), VJTI, Mumbai, India, 4-8 July, (2016).

[H.61] **FILLON M.**
"The effect of wear in Hydrodynamic Journal Bearings – Session-II."
Lecture 4, Global Initiatives of Academic Network (GIAN), VJTI, Mumbai, India, 4-8 July, (2016).

[H.62] **FILLON M.**
"Influence of scratches on the behavior of a partial journal bearing."
Lecture 5, Global Initiatives of Academic Network (GIAN), VJTI, Mumbai, India, 4-8 July, (2016).

[H.63] **FILLON M.**
"Effect of misalignment in plain journal bearings under THD regime."
Lecture 6, Global Initiatives of Academic Network (GIAN), VJTI, Mumbai, India, 4-8 July, (2016).

[H.64] **FILLON M.**
"Thermoelastohydrodynamic analysis of PTFE-faced and Babbitted tilting pad thrust bearings."
Lecture 7, Global Initiatives of Academic Network (GIAN), VJTI, Mumbai, India, 4-8 July, (2016).

[H.65] **FILLON M.**
"Validation of the Reynolds Equation in lubricated rough contact – Application to analysis of the mixed lubrication regime in heavily loaded bearings."
Lecture 8, Global Initiatives of Academic Network (GIAN), VJTI, Mumbai, India, 4-8 July, (2016).

[H.66] **FILLON M.**
"Analysis of textured surface effects in hydrodynamic bearings – Application to slider and journal bearings."
Lecture 9, Global Initiatives of Academic Network (GIAN), VJTI, Mumbai, India, 4-8 July, (2016).

[H.67] **FILLON M.**
"Analysis of textured surface effects in hydrodynamic bearings – Application to thrust bearings."
Lecture 10, Global Initiatives of Academic Network (GIAN), VJTI, Mumbai, India, 4-8 July, (2016).

[H.68] **FILLON M.**
"Analyses of textured surface effects in hydrodynamic bearings."
Virtual Vehicle Research Center, Graz Technical University, Austria, October, (2016).

[H.69] **FILLON M.**
"Thermal effects in journal bearings: permanent and transient regime."
Lecture 1, 2nd edition of "*AIT Summer School in Tribology*", Palazzo Fruscione, Salerno, 28 August–1st September, (2017).

[H.70] **FILLON M.**
"Textured surfaces influence on bearing performance."
Lecture 2, 2nd edition of "*AIT Summer School in Tribology*", Palazzo Fruscione, Salerno, 28 August–1st September, (2017).

9 ***Articles de vulgarisation***

[I.1] **FILLON M.**
"Simulation numérique et sûreté nucléaire."
Microscoop, le magazine de la délégation CNRS Centre Poitou-Charentes, N°64, pp. 22-23, juillet, (2011).

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