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| **Professional Experience :**2005/2007: Contractual Assistant National School of Engineers of Sfax (ENIS)2007/2010: Assistant, Higher Institute of Industrial Engineering of Gabes (ISSIG)2010/Nov. 2013: Assistant Professor, Higher Institute of Industrial Engineering of Gabes (ISSIG)Since Dec. 2013: Associate Professor in Mechanical Engineering, Higher Institute of Industrial Engineering of Gabes (ISSIG*)*  |
| **Research Activities :**Master Vibro-acoustic behavior of a gear-housing system. National School of Engineers of Sfax (ENIS) Thesis Contribution in the study of the dynamic behavior of rotors supported by fluid bearings in hydrodynamic and elasto-hydrodynamic regimes in the presence of geometric imperfections. National School of Engineers of Sfax (ENIS) HDR A dynamic approach to aid in the detection and vibration monitoring of machine elements.National School of Engineers of Sfax (ENIS) |
| **Journal Papers :**1. Slim Bouaziz, Molka Attia Hili, Mohamed Maatar, Tahar Fakhfakh and Mohamed Haddar, « Angular misalignment effect on hydrodynamic journal bearings dynamical behaviour », *International Journal of Engineering Simulation, Vol. 8, N° 1, 3-10, 2007.*2. Mohamed Maatar, Slim Bouaziz, Tahar Fakhfakhand Mohamed Haddar, « Dynamic behaviour of a simplified gearbox, study of the structure-air cavity coupling », *International Review of Mechanical Engineering* *, Vol. 1, N° 1, pp. 70-77, 2007.*3. Slim Bouaziz, Mohamed Maatar, Tahar Fakhfakh and Mohamed Haddar, « Unbalance and gear mesh effects on the dynamic behaviour of hydrodynamic journal bearings »,   *Advances in Computer Science and Engineering, Vol. 1, Issue 2, 169-187, 2007.* 4. Mohamed Slim Abbes, Slim Bouaziz, Mohamed Maatar and Mohamed Haddar*,* « An acoustic-structural interaction modelling for the evaluation of a gearbox radiated noise»*,* *International Journal of Mechanical Sciences, 50, 569 - 577, 2008.*5. Slim Bouaziz, Molka Attia Hili, Mohamed Maatar, Tahar Fakhfakh and Mohamed Haddar, « Dynamic behaviour of hydrodynamic journal bearings in presence of rotor spatial angular misalignment », *Mechanism and Machine Theory, 44, 1548-1559, 2009.*6. Molka Attia Hili, Slim Bouaziz, Mohamed Maatar, Tahar Fakhfakh and Mohamed Haddar, « Hydrodynamic and elastohydrodynamic studies of a cylindrical journal bearing », *Journal of hydrodynamics, Vol. 22, Issue 2, 155-163, 2010.*7. Molka Attia Hili, Slim Bouaziz, Mohamed Maatar, Tahar Fakhfakh and Mohamed Haddar, « Processing Transient Response of a Flexible Rotor-bearing System With Unbalanced Disk », *Machine Dynamic Research, Vol. 34, Issue N° 1, 2010.*8. Najib Belhadj Messoud, Slim Bouaziz, Mohamed Maatar, Tahar Fakhfakh and Mohamed Haddar, « Dynamic Behaviour of Active Magnetic Bearings In Presence of Angular Misalignment Defect», *International Journal of Applied Mechanics, Vol. 03, N°3, 491-505, 2011.*9. Slim Bouaziz, Najib Belhadj Messaoud, Mohamed Mataar, Taher Fakhfakh, Mohamed Haddar, « A Theoretical Model for Analyzing the Dynamic Behavior of Spatial Misaligned Rotor with Active Magnetic Bearings », *Mechatronics 21, 899-907, 2011.*10. Slim Bouaziz, Tahar Fakhfakh, Mohamed Haddar, «Sound Analysis of Hydrodynamic and Elasto-hydrodynamic Oil Lubricated Journal Bearings », *Journal of Hydrodynamics, 24, 2, 250-256, 2012.*11. Slim Bouaziz, Najib Belhadj Messaoud, Jean Yves Choley, Mohamed Maatar, and Mohamed Haddar, « Transient response of a rotor-AMBs system connected by a flexible mechanical coupling », *Mechatronics*, 23, 6, 2013, 573-580.12. Taissir Hentati, Amel Bouaziz, Slim Bouaziz, Jean Yves Choley, Mohamed Haddar, « Dynamic behaviour of active magnetic bearings spindle in high-speed domain», *Int. J. Mechatronics and Manufacturing Systems*, Vol. 6, Nos. 5/6, 2013. |
| **Conference Papers :**1. Slim Bouaziz, Mohamed Maatar, Tahar Fakhfakh et Mohamed Haddar, « Comportement ibro-acoustic d’un system réducteur-carter», *XVème Colloque Vibrations Chocs et Bruit, VCB’2006, Ecole Centrale de Lyon, France.*2. Slim Bouaziz, Mohamed Maatar, Tahar Fakhfakh and Mohamed Haddar, « Dynamic behaviour of gear-shafts-housing system coupled with air cavity », *Third International Conference of Advances in Mechanical Engineering and Mechanics: ICAMEM 2006, Hammamet, Tunisia.*3. Slim Bouaziz, Molka Attia Hili, Mohamed Maatar, Tahar Fakhfakh and Mohamed Haddar, « Dynamic behaviour of hydrodynamic rotor bearings system under shaft-misalignment conditions », *Deuxième congrès international Conception et Modélisation des Systèmes Mécaniques CMSM’2007, Monastir, Tunisie.*4. Slim Bouaziz, Molka Attia Hili, Mohamed Maatar, Tahar Fakhfakh, Mohamed Haddar, « Dynamic Behaviour of Hydrodynamic Bearing-rotor-gear Pair System», *Premier Congrès Tunisien de Mécanique,COTUME’2008, Hammamet, Tunisie*5. Slim Bouaziz, Molka Attia Hili, Mohamed Maatar, Tahar Fakhfakh et Mohamed Haddar, « Geared rotordynamic system with hydrodynamic journal bearings », *XVIème Colloque Vibrations Chocs et Bruit, VCB’2008, Ecole Centrale de Lyon, France.*6. Slim Bouaziz, Molka Attia Hili, Mohamed Maatar, Tahar Fakhfakh and Mohamed Haddar, « Analyse par éléments finis d’un palier fluide en régime élasto-hydrodynamique », *3ème congrès international Conception et Modélisation des Systèmes Mécaniques CMSM’2009, Hammamet, Tunisie..*7. Slim Bouaziz, Molka Attia Hili, Mohamed Maatar, Tahar Fakhfakh and Mohamed Haddar, « Performance characteristics and stability analysis of oil lubricating bearings », *Premier Colloque International IMPACT’2010, Djerba, Tunisie.*8. Najib Belhadj Messaoud, Slim Bouaziz, Mohamed Maatar, Tahar Fakhfakh and Mohamed Haddar, « Dynamic Simulation of Active Magnetic Bearings in Presence of Angular Misalignment Defect», *7ème Journées Scientifiques et Techniques en Mécanique et Matériaux, JSTMM’2010, Hammamet, Tunisie.*9. Najib Belhadj Messaoud, Slim Bouaziz, Mohamed Maatar, Tahar Fakhfakh and Mohamed Haddar, « Influence du nombre des électroaimants dans un palier magnétique sur le comportement dynamique d’un arbre désaligné », *4ième Congrès International, Conception et Modélisation des Systèmes Mécaniques CMSM’2011, Hammamet, Tunisie.*10. Amel Bouaziz, Slim Bouaziz, Najib Belhadj Messaoud, Becem Zghal, Mohamed Haddar. « Modeling and Analysis of spindle with active magnetic bearings in high speed machining», *2ième Conférence Internationale Condition Monitoring of Machinery in Non-Stationary Operations, CMMNO’2012, Hammamet, Tunisia.*11. Rawdha Kessentini, Slim Bouaziz, Becem Zghal, Mohamed Haddar. « Modeling and Analysis of spindle with active rolling bearings in high speed machining», *2ième Conférence Internationale Condition Monitoring of Machinery in Non-Stationary Operations, CMMNO’2012, Hammamet, Tunisia.*12. Najib Belhadj Messaoud, Slim Bouaziz, Molka Attia Hili, Mohamed Maatar Mohamed Haddar. « Dynamic behavior of rotor-AMBs system», *2ième Conférence Internationale Condition Monitoring of Machinery in Non-Stationary Operations, CMMNO’2012, Hammamet, Tunisia.*13. Slim Bouaziz, Najib Belhadj Messaoud, Mohamed Maatar and Mohamed Haddar, « Dynamic analysis of rotor-AMBs-coupling system in transient regime», *5ième* *Congrès International Conception et Modélisation des Systèmes Mécaniques CMSM’2013, Djerba, Tunisie.*14. Slim Bouaziz, Maher Barkallah, Amel Bouaziz, and Mohamed Haddar, « A dynamic model of the cutting force in peripheral milling process», *5ième Congrès International Conception et Modélisation des Systèmes Mécaniques CMSM’2013, Djerba, Tunisie.*15. Slim Bouaziz, Amel Bouaziz, Taissir Hentati, Maher Barkallah, Mohamed Haddar,« Finite element analysis of spindle-AMBs system in presence of defect», *5ième* *Congrès International Conception et Modélisation des Systèmes Mécaniques CMSM’2013, Djerba, Tunisie.*16. Slim Bouaziz, Najib Belhadj Messaoud, Mohamed Maatar and Mohamed Haddar, «Dynamic analysis of a spur gear with active magnetic bearings in transient regime», *The first edition MEDYNA 2013, Marrakech, Morocco.* |