

Liste des productions scientifiques
(publication, communication,....)

Année 2018

LABORATOIRE de: **Mécanique & Structures**

SPECIALITE: MECANIQUE

Publications Internationales

Titre	Auteurs	Revue	Année	Volume	Page	URL
<u>Experimental vibratory analysis of a fan motor in industrial environment</u>	Tarek Kebabsa, Nouredine Ouelaa, Abderrazek Djebala	The International Journal of Advanced Manufacturing Technology	2018	98	2439-2447	https://link.springer.com/article/10.1007/s00170-018-2391-1
<u>CEEMDAN and OWMRA as a hybrid method for rolling bearing fault diagnosis under variable speed</u>	Mohamed Lamine Bouhalais, Abderrazek Djebala, Nouredine Ouelaa, Mohamed Khemissi Babouri	The International Journal of Advanced Manufacturing Technology	2018	94	2475-2489	https://link.springer.com/article/10.1007/s00170-017-1044-0
<u>Cutting Conditions Modeling and Optimization in Hard Turning Using RSM, ANN and Desirability Function</u>	Abderrezak Labidi, Hamid Tebassi, Salim Belhadi, Riad Khettabi, Mohamed Athmane Yaltese	Journal of Failure Analysis and Prevention	2018	18	1017-1033	https://link.springer.com/article/10.1007/s11668-018-0501-x
<u>Prediction of surface roughness and cutting forces using RSM, ANN, and NSGA-II in finish turning of AISI 4140 hardened steel with mixed ceramic tool</u>	Ikhlas Meddour, Mohamed Athmane Yaltese, Hamza Bensouilah, Ahmed Khellaf, Mohamed Elbah	The International Journal of Advanced Manufacturing Technology	2018	97	1931-1949	https://link.springer.com/article/10.1007/s00170-018-2026-6
<u>Estimation and optimization of flank wear and tool lifespan in finish turning of AISI 304 stainless steel using desirability function approach</u>	Lakhdar Bouzid, Sofiane Berkani, M Yaltese, François Girardin, Tarek Mabrouki	International Journal of Industrial Engineering Computations	2018	9	349-368	http://growingscience.com/beta/ijiec/2650-estimation-and-optimization-of-flank-wear-and-tool-lifespan-in-finish-turning-of-aisi-304-stainless-steel-using-desirability-function-approach.html
<u>Simultaneous improvement of surface quality and productivity using grey relational analysis based Taguchi design for turning couple (AISI D3 steel/mixed ceramic tool (Al2O3+ TiC))</u>	Oussama Zerti, M Yaltese, Abderrahmen Zerti, Salim Belhadi, Francois Girardin	International Journal of Industrial Engineering Computations	2018	9	173-194	http://growingscience.com/beta/ijiec/2606-simultaneous-improvement-of-surface-quality-and-productivity-using-grey-relational-analysis-based-taguchi-design-for-turning-couple-aisi-d3-steel-mixed-ceramic-tool-al2o3-tic.html

<u>Analysis of couple-stress effects in gas foil bearings using the VK Stokes micro-continuum theory</u>	Bouzid Laouadi, Mustapha Lahmar, Benyebka Bou-Saïd, Ahcene Mouassa, Hamid Boucherit	Lubrication Science	2018	30	401-439	https://onlinelibrary.wiley.com/doi/abs/10.1002/ls.1430
<u>Analysis of couple-stress effects in gas foil bearings using the VK Stokes micro-continuum theory</u>	Bouzid Laouadi, Mustapha Lahmar, Benyebka Bou-Saïd, Ahcene Mouassa, Hamid Boucherit	Lubrication Science	2018	30	401-439	https://onlinelibrary.wiley.com/doi/abs/10.1002/ls.1430
<u>Analysis of couple-stresses and piezo-viscous effects in a layered connecting-rod bearing</u>	<u>Bouzid LAOUADI, Mustapha LAHMAR, Benyebka BOU-SAÏD, Hamid BOUCHERIT and Ahcene MOUASSA</u>	<u>Journal of Mechanics & Industry</u>	2018	19	<u>1-20 , 607</u>	file:///C:/Users/bouch-ham/Downloads/mi170227.pdf
			2018			

Publications nationales

			2018			
			2018			

Communications Internationales

<u>Four-axis machining of an impeller with non-twisted blades</u>	M. Malim, M.C. Djamaa, M. Khechana	International Conference on Advanced Materials, Mechanics and Manufacturing	2018			
<u>Comparative study between three methods of measuring of natural frequencies and modal damping</u>	R Younes, N Ouelaa, MC Djamaa	The 2nd International Workshop on Signal Processing Applied to Rotating Machinery Diagnostics	2018			29-30 April 2018, Djelfa, Algeria
<u>Diagnostic des Dommages à travers l'Identification des Caractéristiques Mécaniques d'une Coque Cylindrique par une Méthode Inverse</u>	MC Djamaa, N Ouelaa	The 2nd International Workshop on Signal Processing Applied to Rotating Machinery Diagnostics	2018			29-30 April 2018, Djelfa, Algérie
<u>Etude des effets de la pollution solide des huiles</u>	B. Boussaha, H. Boucherit,	International Conference on Advanced Mechanics	2018			November 28 & 29, 2018, Boumerdes – Algeria

lubrifiants sur la stabilité des paliers hydrodynamiques des machines tournantes	M. Lahmar, A. Mouassa, H. Bensouilah,	and Renewable Energies				
Analysis of couple-stresses and piezo-viscous effects in a layered connecting-rod bearing using a global thermal	H. Bensouilah, M. Lahmar, R. Hamel, H. Boucherit, A. Mouassa	4th International Conference on Advances in Mechanical Engineering	2018			December 19 - 21, 2018, Istanbul – Turkey
The influence of the sound pressure level on the identification of the defects severity in rotating machines by sound perception	N Ouelaa, R Younes, MC Djamaa	The 2 nd International Workshop on Signal Processing Applied to Rotating Machinery Diagnostics	2018			29-30 April 2018, Djelfa, Algérie
<u>Predictive modeling of surface roughness and cutting force in turning of AISI 304 using RSM</u>	<u>S.Boucherit, M.A.Yallese and S.Belhadi</u>	4 th International conference on advances in mechanical engineering Istanbul 2018.	2018			December 19-21,2018, <u>Istanbul Turkey</u>
<u>Rolling bearing fault detection during Run-up using a hybrid approach based on CEEMDAN and OWMRA</u>	<u>M. Bouhalais A.Djebala N.Ouelaa</u>	The 2 nd International Workshop on Signal Processing Applied to Rotating Machinery Diagnostics	2018			29-30 April 2018, Djelfa, Algérie
<u>Gear fault detection using wavelet-filtred CEEMDAN modes : variable speed case</u>	<u>M. Bouhalais A.Djebala N.Ouelaa</u>	<u>Conférence internationale sur la métrologie et la maintenance industrielle ICIMM2018</u>	2018			Sétif 28-29 Octobre 2018
<u>Gear faults detection under variable speed using Vib Analysis</u>	<u>M. Bouhalais A.Djebala N.Ouelaa</u>	<u>International Seminar in Industrial Engineering and applied Mathematics ISIEAM</u>	2018			Skikda, 23-24 Octobre 2018
<u>Etude expérimentale de la rugosité d'une surface usinée en acier inoxydable AISI 316L</u>	<u>Youssef Touggui*, Mustapha Temmar, Salim Belhadi, Med A Yallese, Salah-Eddine Mechraoui</u>	<u>International conference on advanced mechanics and renewable Energies ICAMRE2018</u>	2018			Boumerdes, 28-29 novembre 2018
<u>Analyse statique de l'usure d'outil lors du tournage dur de l'acier X210Cr12 en utilisant la méthode RMS et ANN</u>	<u>a.Labidi s.Belhadi M.A. Yallese</u>	<u>International conference on advanced mechanics and renewable Energies ICAMRE2018</u>	2018			Boumerdes, 28-29 novembre 2018
<u>Prediction of performance characteristics in hard turning using rsm, ann and</u>	<u>I. Meddour, M.A. Yallese, S.Belhadi, H.Aouici, H.Bensouillah</u>	<u>International conference on advanced mechanics and renewable Energies ICAMRE2018</u>	2018			Boumerdes, 28-29 novembre 2018

<u>Etude expérimentale de la rugosité d'une surface usinée en acier inoxydable AISI 316L</u>	<u>Youssef Touggui*, Mustapha Temmar, Salim Belhadi, Med A Yallese, Salah-Eddine Mechraoui</u>	<u>International conference on advanced mechanics and renewable Energies ICAMRE2018</u>	<u>2018</u>			Boumerdes, 28-29 novembre 2018
<u>Optimisation of flank wear using mixed ceramic CC650 cutting tool : TAGUCHI METHOD and regression analysis</u>	<u>Z.Hessainia R.Boubeker F.Khrouf M.a.Yallese</u>	<u>Fourth international conference on energy, materials, applied energetics and pollution ICEMAEP'18</u>	<u>2018</u>			Constantine, 29-30 avril 2018
<u>Statistical analysis of austenitic stainless steel AISI 316L machining using PVD Cermet tool</u>	<u>Youssef Touggui*, Salim Belhadi Salah-Eddine Mechraoui Mustapha Temmar, , Med A Yallese,</u>	<u>4th conference on advances in mechanical engineering –ICAME2018</u>	<u>2018</u>			Yildiz Technical University, Istanbul, Turkey
<u>Optimisation des paramètres de coupe lors de tournage de l'acier inoxydable AISI 316L en utilisant ANOVA et la méthode de Taguchi</u>	<u>Youssef Touggui*, Salim Belhadi Salah-Eddine Mechraoui Med A Yallese Mustapha Temmar,</u>	<u>International Symposiumon Mechanics and Renewable Energies, ISMRE2018</u>	<u>2018</u>			EI-Oued, ALGERIE
<u>Taguchi optimization method for surface roughness in face milling of polyoxymethylene POM-C</u>	<u>Tibakh Idriss Med A Yallese Salim Belhadi L.Boulanouar Medjber</u>	<u>Conférence Internationale sur la Métrologie et la Maintenance Industrielles ICIMM2018</u>	<u>2018</u>			Sétif - Algeria
<u>Optimisation de la rugosité de surface par la méthode de Taguchi, application pour des pièces en Inconel718</u>	<u>w.Frifita S.Bensalem M.A.Yallese</u>	<u>4eme congrès tunisien de mécanique COTUME'18</u>	<u>2018</u>			Hammamet, Tunisie
<u>Surface roughness analysis after the helical milling of carbon fiber-reinforced plastics using RSM</u>	<u>Adel ABIDI, Sahbi Ben SALEM, Med Athman Yallese</u>	<u>4eme congrès tunisien de mécanique COTUME'18</u>	<u>2018</u>			Hammamet, Tunisie
<u>Application De La Méthode De Surface De Réponse Pour Prédire La Rugosité De Surface Dans Le Tournage Avec Un Outil Revêtu</u>	<u>Billel Hamadi M.A. Yallese, L Boulanouar, Toufik Achour, Adel Deliou, S. Boulkroune, A. Lakhdari1</u>	<u>ICIMM'2018</u>	<u>2018</u>			Sétif - Algeria

Communications nationales

<u>Gear fault detection using wavelet-filtred CEEMDAN modes : variable speed case</u>	<u>M. Bouhalais</u> <u>A.Djebala</u> <u>N.Ouelaa</u>	First scientific days on « Science and engineering JSSE'18	<i>2018</i>			ENP Constantine 09-10 Décembre 2018
<u>Rolling bearing fault diagnosis under variable speed using CEEMDAN and OWMRA</u>	<u>M. Bouhalais</u> <u>A.Djebala</u> <u>N.Ouelaa</u>	11eme journée de Mécanique	<i>2018</i>			Bordj El Bahri, 10-11 Avril 2018