

Liste ordonnées des publications de Christophe Corbier

Revues

- [1] C. Corbier, A.F. Boukari, J-C. Carmona, V. Alvarado-Martinez, G. Moraru and F. Malburet: On a Robust Modeling of Piezo-Systems. Journal of Dynamics Systems, Measurement, and Control (ASME), Vol. 134, pp. 031002-1 – 031002-8, 2012. DOI:10.1115/1.4005499
- [2] C. Corbier and J-C. Carmona: Robust Black-box Modeling of Piezoelectric Actuators for Vibration Drilling Control. Journal of Intelligent and Robotic Systems, 2014. DOI:10.1007/s10846-014-0046-5
- [3] C. Corbier and J-C. Carmona: Mixed Lp-Estimators Variety for Model Order Reduction in Control Oriented System Identification. Mathematical Problems in Engineering, 2014. DOI:10.1155/2014/349070
- [4] C. Corbier and J-C. Carmona: Extension of the Tuning Constant in the Huber's Function for Robust Modeling of Piezoelectric Systems. International Journal of Adaptive Control and Signal Processing, 2014. DOI:10.1002/acs.2517
- [5] C. Corbier and M.El Badaoui: ARMA Modeling and Nonparametric Probability Density Function of Gait Signal Using $L_2 - L_1$ estimator in Patients with Neuro-Degenerative Disease. Computer Methods in Biomechanics and Biomedical Engineering, 2014, Vol. 17, No. S1, 178-179. DOI:10.1080/10255842.2014.931666
- [6] Hector M. Romero Ugalde, Jean-Claude Carmona, Juan Reyes-Reyes, Victor M. Alvarado, **Christophe Corbier**: Balanced simplicity-accuracy neural network model families for system identification. Neural Computing and Applications: Vol. 26, Issue 1, 2015, 171-186
- [7] C. Corbier, M.El Badaoui and Hector M. Romero Ugalde: Huberian Approach for Reduced Order ARMA Modeling of Neurodegenerative Disorder Signal. Signal Processing, 2015. DOI:10.1016/j.sigpro.2015.02.010
- [8] R. Alkhatib, M. Diab, B. Moslem, C. Corbier and M. El Badaoui: Gait-Ground Reaction Force Sensors Selection Based on ROC Curve Evaluation. Journal of Computer and Communications, 2015, 3, 13-19. DOI:10.4236/jcc.2015.33003
- [9] C. Corbier: New Indicators using Robust Statistics Applied to Neurodegenerative Disorder Gait Rhythm. JP Journal of Biostatistics, 2015. 1-18. DOI:10.17654/JPJBDDec2015_081_098, Vol. 2, No. 2, 81-98
- [10] C. Corbier : Huberian Function Applied to the Neurodegenerative Disorder Gait Rhythm. Journal Of Applied Statistics, 2016. DOI: 10.1080/02664763.2015.1126811
- [11] Hector M. Romero Ugalde, C. Corbier :Robust estimation of Balanced simplicity-accuracy neural networks-based models. Journal of Dynamics Systems, Measurement, and Control (ASME), 2016
- [12] R. Alkhatib, M. Diab, C. Corbier and M. El Badaoui: Prediction of Human Gait - Vertical Ground Reaction Force. International Journal of Enhanced Research in Science, Technology & Engineering ISSN: 2319-7463, Vol. 5 Issue 1, 2016
- [13] C. Corbier and H. M. Romero Ugalde: Low Order Control Oriented Modeling of Piezoelectric actuator using Huberian Function with Low Order Threshold: pseudo linear and neural network models. Nonlinear Dynamics, 2016
- [14] A. Brahmi, H. Ghennioui, C. Corbier, F. Guillet and M. Lahbabi. Mixing matrix estimation for separation of under-determined mixtures of non-stationary sources. Mathematical problems in Engineering, 2017.
- [15] Amine Brahmi, Hicham Ghennioui, Christophe Corbier, M'hammed Lahbabi and François Guillet. Blind Separation of Cyclostationary Sources with Common Cyclic Frequencies. Book. Chapter in Lecture Notes in Computer Science. Springer, Vol. 10169 2017.
- [16] Rami Alkhatib, Mohamed Diab, Christophe Corbier, Mohamed El Badaoui. Biometric Legged Locomotion. Book. Chapter in Lecture Notes. Springer, 2017.

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- [17] C. Corbier, J-C. Carmona and V. Alvarado-Martinez: $L_1 - L_2$ Robust Estimation in Prediction Error System Identification. Electrical Engineering Computing Science and automatic Control (CCE), 6th International IEEE Conference on, page(s): 1-6, Toluca, Mexico, November 2009. DOI:10.1109/ICEEE.2009.5393561
- [18] C. Corbier, J-C. Carmona and V. Alvarado-Martinez: A New Robust Estimation Approach: an Extended Threshold M-Estimator Procedure. Electrical Engineering Computing Science and automatic Control (CCE), 8th International IEEE Conference on, page(s): 1-6, Merida, Mexico, October 2011. DOI:10.1109/ICEEE.2011.6106691
- [19] C. Corbier and J-C. Carmona: Robust Modeling of Piezoelectric Actuators for Vibration Drilling Control. International CCCA'12 IEEE Conference, Marseilles, France, December 2012
- [20] C. Corbier and J-C. Carmona: Robust Final Prediction Error Criterion for Control Oriented Models Validation using $L_1 - L_2$ Norm. International CCCA'12 IEEE Conference, Marseilles, France, December 2012
- [21] C. Corbier, J-C. Carmona and V. Alvarado-Martinez: System Identification with an Extended Threshold M-Estimator for Pseudo-Linear Models Structure. 16th IFAC Symposium on System Identification (SYSID), System Identification, Vol. 16, Part#1, Brussels July 2012. DOI:10.3182/20120711-3-BE2027.00040
- [22] C. Corbier and M.El Badaoui: ARMA Modeling and Nonparametric Probability Density Function of Gait Signal Using $L_2 - L_1$ estimator in Patients with Neuro-Degenerative Disease. Congrès international Signaux Biomécaniques (CSB), Valenciennes, August 29-31, 2014
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- [26] C. Corbier and M.El Badaoui: Mixed Estimation Function Applied to Neurodegenerative Disorder Gait Signals: low order ARMA modeling. XXV Colloque GRETSI, Lyon, September 8-11, 2015
- [27] Rami Alkhatib, Mohamad Diab, Bassam Moslem, Christophe Corbier, Mohamed El Badaoui. Classification of Ground Reaction Forces Based on Non Stationary Analysis, Proceedings of the International Conference on Computer Vision and Image Analysis, IEEE ICCVIA 2015, pp. 1-4 , Soussa, Tunisia, Jan. 2015
- [28] R.Alkhatib, C.Corbier, M.El Badawi, B.Moslem, M.Diab, Sensor's Ground Reaction Force Behaviour for Both Normal and Parkinson Subjects- a Qualitative Study, 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Societ. Mico-Milan Conference Center – Milan, Italy, August 25-29 2015
- [29] K.Hiba, M.Diab, B.Moslem ,R.Alkhatib, C.Corbier, M.El Badawi, Frequency Content Analysis of Gait - Vertical Ground Reaction Force, Third International Conference On Advances In Biomedical Engineering (ICABME15), IEEE. EMB, Doctoral School of Sciences and Technology (EDST) and the Faculty of Engineering Lebanese University (LU), Hadat-Beirut, Lebanon, September 16-18, 2015
- [30] A. Brahmi, H. Ghennioui, C. Corbier and F. Guillet, Non-Unitary Joint Block Diagonalization of Matrices Using BFGS Method, International congress Surveillance8, Roanne, France, October 20-21 2015.
- [31] C. Corbier, C. Corroy and M. El Badaoui: Wearable Long-term Monitoring Sensor based on Conductive Fiber for Strained Joints of the Knee. European Society of Biomechanics conference, Lyon, 10-13 july 2016.

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