

Publications de Jean-François BONASTRE - Liste des publications depuis 2006

20 publications récentes choisies parmi ~150

Articles dans des revues internationales

Sarkar A., Bonastre J.F., Matrouf M., "Sub-vector based biometric Speaker Verification using MLLR Super-Vector", Springer International Journal of Speech Technology (IJST), *accepted, to be published in 2016*

Hernandez Sierra Gabriel and Calvo Jose and Bonastre Jean-François and Bousquet Pierre-Michel, "Session compensation using binary speech representation for speaker recognition", Pattern Recognition Letters, vol. 49, pp 17-23, 2014

Larcher Anthony and Bonastre Jean-François and Mason J.S.D, "Constrained temporal structure for text-dependent speaker verification", Digital Signal Processing, vol. 23, no 6, p. 1910-1917, 2013

Matrouf, F. Verdet, M. Rouvier, J-F. Bonastre, G. Linarès, Modeling Nuisance Variabilities with Factor Analysis for GMM-based Audio Pattern Classification , 2011, Computer Speech & Language

M. McLaren, D. Matrouf, R. Vogt, J-F. Bonastre, Applying SVMs and Weight-based Factor Analysis to Unsupervised Adaptation for Speaker Verification, 2011, Computer Speech & Language

J.P. Campbell, J.F. Bonastre et al., Forensic speaker recognition, a need for caution, IEEE Signal Processing Magazine, March 2009, vol 26 pp 95-103

B. G. B Fauve, D. Matrouf, N. Scheffer, J.F. Bonastre, J.S.D. Mason, State-of-the-Art Performance in Text-Independent Speaker Verification Through Open-Source Software, 2007, IEEE Transactions on Audio, Speech and Language Processing, Vol. 15, Issue 7, pp 1960-1968, September 2007

Conférences internationales (et colloques majeurs)

Moez, A., Bonastre, J. F., Rossato, S., Kahn, J., & Lapidot, I. (2015, September). An information theory based data-homogeneity measure for voice comparison. In Interspeech 2015.

Ben Kheder, W., Matrouf, D., Bonastre, J. F., Ajili, M., & Bousquet, P. M. (2015, April). Additive noise compensation in the I-vector space for speaker recognition. In Acoustics, Speech and Signal Processing (ICASSP), 2015 IEEE International Conference on (pp. 4190-4194). IEEE.

Lapidot, I., Bonastre, J. F., & Bengio, S. Telephone Conversation Speaker Diarization Using Mealy-HMMs. Speaker Odyssey 2014, 16-19.

Bousquet Pierre-Michel and Bonastre Jean-François and Matrouf Driss, "Exploring some limits of Gaussian PLDA modeling for i-vector distributions", The Speaker and Language Recognition Workshop, ISCA, Joensuu, Finland, 2014

Bousquet Pierre-Michel and Bonastre Jean-François, On the importance of pre- and post-conditioning procedures for speaker recognition systems based on total variability factors, Afeka Speech Processing Conference, Tel-Aviv, Israel, 2014

Kheder, W. B., Matrouf, D., Bousquet, P. M., Bonastre, J. F., & Ajili, M. (2014). Robust Speaker Recognition Using MAP Estimation of Additive Noise in i-vectors Space. In *Statistical Language and Speech Processing* (pp. 97-107). Springer International Publishing.

Larcher, A., Bonastre, J. F., Fauve, B. G., Lee, K. A., Lévy, C., Li, H., ... & Parfait, J. Y. (2013). ALIZE 3.0- open source toolkit for state-of-the-art speaker recognition. In *INTERSPEECH* (pp. 2768-2772).

Chapitres de livres / Book Chapters

Jean-François Bonastre, Juliette Kahn, Solange Rossato and Moez Ajili, Forensic Speaker Recognition: Mirages and Reality, in "Individual Differences in Speech Production and Perception ", Fuchs, Susanne / Pape, Daniel / Petrone, Caterina / Perrier, Pascal (eds.), Collection: Speech Production and Perception - volume 3, pp 251-284, 2015, ISBN 978-3-631-66506-0, Peterlang

J-F. Bonastre, D. Matrouf, "Speaker matching", 2009, in *Encyclopedia of Biometrics*, Springer, ISBN: 978-0-387-73003-5, 2009

D. Matrouf, J.F. Bonastre, "Session Effects on Speaker modelling", in *Encyclopedia of Biometrics*, Springer, ISBN: 978-0-387-73003-5, 2009

Brevets

J.-F. Bonastre (UAPV), « Procédé, serveur et système d'authentification Biométrique », déposé le 11 Mai 2011, PCT/FR2012/050901

J.-F. Bonastre (UAPV), X. Anguera (Telefonica), FR 10/57732 - "Procédé de classification de données biométriques", déposé le 24 Septembre 2010, PCT/FR2011/052151 – US Patent 9,104,976 B2 Aug. 11 2015

J.-F. Bonastre, P. Morin, J.C. Junqua, Gaussian Model-Based Dynamic Time Warping System and Method for Speech Processing, U.S. Provisional Patent Application No. 60/307,624, filed April 5, 2002, EPO 03257458.4, Chinese Patent Application 2003-10121247.0