

RÉPUBLIQUE ALGÉRIE POPULAIRE DÉMOCRATIQUE

MINISTRY OF HIGHER ENSEIGNEMENT ET RECHERCHE SCIENTIFIQUE



Publications du professeur

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TITRE	LIEN
A novel kernel-based regularization technique for PET image reconstruction	https://www.mdpi.com/203832 ¹
Histogram of gradient and binarized statistical image features of wavelet subband-based palmprint features extraction	https://www.spiedigitallibrary.org/journals/Journal-of-Electronic-Imaging/volume-26/issue-6/063006/Histogram-of-gradient-and-binarized-statistical-image-features-of-wavelet/10.1117/1.JEI.26.6.063006.short ²
Nonparametric Bayesian estimation structures in the wavelet domain of multiple noisy image copies	https://ieeexplore.ieee.org/abstract/document/6481962 ³
Implementation of Sobel, Prewitt, Roberts edge detection on FPGA	https://search.proquest.com/openview/3173e13eb41b77651eea1b2d820241d1/1?pq-origsite=gscholar&cbl=1976345 ⁴
Improved simultaneous algebraic reconstruction technique algorithm for positron-emission tomography image reconstruction via minimizing the fast total variation	https://www.sciencedirect.com/science/article/pii/S1939865417301947 ⁵
A quantitative comparative study of back projection, filtered back projection, gradient and bayesian reconstruction algorithms in computed tomography (ct)	https://www.academia.edu/download/51894730/10.5923.j.ijps.20150401.02.pdf ⁶
Fusing palmprint, finger-knuckle-print for bi-modal recognition system based on LBP and BSIF	https://ieeexplore.ieee.org/abstract/document/8966867/ ⁷
Filtered-based expectation □ Maximization algorithm for Emission computed tomography (ECT) image reconstruction	https://ieeexplore.ieee.org/abstract/document/7233097/ ⁸
Application of BSIF, Log-Gabor and mRMR transforms for iris and palmprint based Bi-modal identification system	https://ieeexplore.ieee.org/abstract/document/8075600/ ⁹
A Comparative Study of Analytical, Iterative and Bayesian Reconstruction Algorithms in Computed Tomography (CT)	https://library.crti.dz/jr146 ¹⁰
A New approach for Finger-Print Identification	https://www.researchgate.net/profile/Boudjelal-Abdelwahhab/publication/309391812_A_New_approach_for_Finger-Print_Identification/links/59c8cf97a6fdccc71929c170/A-New-approach-for-Finger-Print-Identification.pdf ¹¹
A New Method of Image Reconstruction for PET Using a Combined Regularization Algorithm	https://link.springer.com/chapter/10.1007/978-3-030-51935-3_19 ¹²
PET image reconstruction based on Bayesian inference regularised maximum likelihood expectation maximisation (MLEM) method	https://www.inderscienceonline.com/doi/abs/10.1504/IJBET.2018.094300 ¹³
Superpixel-based Zernike moments for palm-print recognition	https://www.inderscienceonline.com/doi/abs/10.1504/IJESDF.2019.102561 ¹⁴
PDEs on graphs for image reconstruction on positron emission tomography	https://link.springer.com/chapter/10.1007/978-3-319-94211-7_38 ¹⁵
A Novel Iterative MLEM Image Reconstruction Algorithm Based on Beltrami Filter: Application to ECT Images	https://www.mdpi.com/2379-139X/7/3/26 ¹⁶
Méthode de débruitage des images a multicopies bruitées via la transformée en ondelettes	https://www.ccdz.cerist.dz/admin/notice.php?id=123173 ¹⁷
New denoising algorithm of multiple noisy image copies based on alpha-stable distributions	https://ieeexplore.ieee.org/abstract/document/7368751/ ¹⁸
Image and Signal Processing: 8th International Conference, ICISP 2018, Cherbourg, France, July 2-4, 2018, Proceedings	https://books.google.com/books?hl=fr&lr=&id=EptiDwAAQB-AJ&oi=fnd&pg=PR6&dq=Image+and+Signal+Processing:+8th+International+Conference,+ICISP+2018,+Cherbourg,+France,+July+2-4,+2018,+Proceedings&ots=tEqmMDp79&sig=IDbby_4mbv38Pwj1fIgm-CccRT0 ¹⁹
Algorithmes de Reconstruction Tomographique	http://dSPACE.univ-

(SPECT) et Tomographie d'Emission par Positron (TEP) à Base des Approches Bayésiennes	msila.dz:8080/xmlui/handle/123456789/5169 ⁰
Wavelet Energy Embedded into a Level Set Method for Medical Images Segmentation in the Presence of Highly Similar Regions	https://ieeexplore.ieee.org/abstract/document/7046174/ ¹
Publications of professor Abdelwahhab Boudjelal	http://dspace.univ-msila.dz:8080/xmlui/bitstream/handle/123456789/27786/Abdelwahhab%20Boudjelal.pdf?sequence=1&isAllowed=y ²²
Image and Signal Processing: 9th International Conference, ICISP 2020, Marrakesh, Morocco, June 4–6, 2020, Proceedings	https://books.google.com/books?hl=fr&lr=&id=YCjwDwAAQBAJ&oi=fnd&pg=PR6&dq=Image+and+Signal+Processing:+9th+International+Conference,+ICISP+2020,+Marrakesh,+Morocco,+June+4%E2%80%936,+2020,+Proceedings&ots=TomphZDgNg&sig=MVdCchlT330D3y6Aa8y01Qztr0 ²³
IndexAuthor	https://eric.ed.gov/?id=ED207512 ²⁴
Algorithmes de Reconstruction Tomographique (SPECT) et Tomographie d'Emission par Positron (TEP) A Base des Approches Bayesiennes	http://dspace.univ-msila.dz:8080/xmlui/handle/123456789/5169 ²⁵

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- ³ BOUDJELAL, Abdelwahhab, MESSALI, Zoubeida, BOUBCHIR, Larbi, *et al.* Nonparametric Bayesian estimation structures in the wavelet domain of multiple noisy image copies. In : *2012 6th International Conference on Sciences of Electronics, Technologies of Information and Telecommunications (SETIT)*. IEEE, 2012. p. 495-501.
- ⁴ FERHAT, F. Alim, MOHAMED, L. Ait, KERDJIDJ, O., *et al.* Implementation of Sobel, Prewitt, Roberts edge detection on FPGA. In : *Proceedings of the International Conference on Image Processing, Computer Vision, and Pattern Recognition (IPCV)*. The Steering Committee of The World Congress in Computer Science, Computer Engineering and Applied Computing (WorldComp), 2013. p. 1.
- ⁵ BOUDJELAL, Abdelwahhab, MESSALI, Zoubeida, ELMOATAZ, Abderrahim, *et al.* Improved simultaneous algebraic reconstruction technique algorithm for positron-emission tomography image reconstruction via minimizing the fast total variation. *Journal of medical imaging and radiation sciences*, 2017, vol. 48, no 4, p. 385-393.
- ⁶ MESSALI, Zoubeida, CHETIH, Nabil, SERIR, Amina, *et al.* A quantitative comparative study of back projection, filtered back projection, gradient and bayesian reconstruction algorithms in computed tomography (ct). *International Journal of Probability and Statistics*, 2015, vol. 4, no 1, p. 12-31.
- ⁷ ATTALLAH, Bilal, BRIK, Youcef, CHAHIR, Youssef, *et al.* Fusing palmprint, finger-knuckle-print for bi-modal recognition system based on LBP and BSIF. In : *2019 6th International Conference on Image and Signal Processing and their Applications (ISPA)*. IEEE, 2019. p. 1-5.
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