

PUBLICATIONS

J. ZERUBIA

Thesis and HdR

- [1] J. Zerubia : Contribution à la modélisation et à l'analyse statistique de signaux. Accreditation to Supervise Research, Nice-Sophia Antipolis University, September 1994.
- [2] J. Zerubia : La représentation et le traitement de signaux bruités. PhD, Nice-Sophia Antipolis University, July 1988.
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Books and monographs

- [1] Z. Kato and J. Zerubia : Markov random fields in image segmentation. Foundation and Trends in Signal Processing Series, Now Pub., World Scientific, September 2012.
- [2] A. Rangarajan, M. Figueiredo and J. Zerubia (Eds): Energy Minimization Methods in Computer Vision and Pattern Recognition. Lecture Notes in Computer Science, number 2683. Springer Verlag, July 2003.
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Book chapters

- [1] P. Pankajakshan, G. Engler, L. Blanc-Féraud et J. Zerubia : "Decovolution and Denoising for Confocal Microscopy", in Modeling in Computational Biology and Biomedicine, pp. 117-163, Springer-Verlag, 2013.
- [2] V. Krylov, G. Moser, S. B. Serpico and J. Zerubia. "Probability Density Function Estimation for Classification of High-Resolution SAR Images". Signal Processing for Remote Sensing. Second edition. Edt. C. H. Chen. Chapter 17. pp. 339-363. CRC-Press. 2012.

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- [8] R. Stoica, X. Descombes, M.N.M. Van Lieshout and J. Zerubia : “An application of marked point process to the extraction of linear networks for images”, in *Spatial statistics through applications*, WITPress, 2002.
- [9] C. Graffigne and J. Zerubia : “Segmentation région : approches statistiques”, in *Analyse d'images : Filtrage et segmentation*, Masson, 1995.
- [10] J. Zerubia and C. Graffigne : “Segmentation contour : approches statistiques”, in *Analyse d'images : Filtrage et segmentation*, Masson, 1995.
- [11] J. Zerubia and C. Graffigne : *Analyse d'images : Filtrage et segmentation*, “Quelques précisions sur l'application des champs markoviens à la segmentation”, in Masson, 1995.

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- [1] V. Krylov, G. Moser, S. B. Serpico, J. Zerubia. On the Method of Logarithmic Cumulants for Parametric Probability Density Function Estimation. *IEEE Transactions on Image Processing*, 22 (10), pp. 3791-3806, 2013.
- [2] A. Voisin, V. Krylov, G. Moser, S. B. Serpico, J. Zerubia. Supervised Classification of Multi-sensor and Multi-resolution Remote Sensing Images with a Hierarchical Copula-based Approach. *IEEE Transactions on Geoscience and Remote Sensing*, 2013.

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- [1] Z. Liu, J. Zerubia. Melanin and Hemoglobin Identification for Skin Disease Analysis. Asian Conference on Pattern Recognition (ACPR), Okinawa, Japan, November 2013.
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