

PUBLICATIONS

J. ZERUBIA

Theses and HdR

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Books and monographs

- [1] G. Moser and J. Zerubia: Mathematical Models for Remote Sensing Image Processing: Models and Methods for the Analysis of 2D Satellite and Aerial Images. Signals and Communications Technology, Springer, 2018.
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Book chapters

- [1] G. Moser, J. Zerubia, S. B. Serpico and J. A. Benediktsson: "Mathematical models and methods for remote sensing image analysis: an introduction", in Mathematical Models for Remote Sensing Image Processing: Models and methods for the analysis of 2D satellite and aerial images, pp.1-36, Springer, 2018.

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- [8] A. Jalobeanu, J. Zerubia and L. Blanc-Féraud: "Bayesian estimation of blur and noise in remote sensing imaging", in *Blind image deconvolution: theory and applications*. CRC Press, 2007.
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- [13] J. Zerubia and C. Graffigne: "Segmentation contour : approches statistiques", in *Analyse d'images : Filtrage et segmentation*. Masson, 1995.

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[1] R. Abdlaty, L. Doerwald-Munoz, A. Madooei, S. Sahli, S-C. A Yeh, J. Zerubia, R. Wong, J. Hayward, T. Farrell and Q. Fang: Hyperspectral Imaging and Classification for Grading Skin Erythema. *Frontiers in Physics, Frontiers*, 6, pp.1-10, 2018.

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- [1] I. Hedhli, G. Moser and J. Zerubia: Nouvelle Méthode en Cascade pour la Classification Hiérarchique Multi-Temporelle ou Multi-Capteur d'Images Satellitaires Haute Résolution. *Revue Française de Photogrammétrie et de Télédétection (SFPT)*, 216, pp.3-17, 2018.
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Fully reviewed conference publications

- [1] T. Li, M. Comer and J. Zerubia: Feature extraction and tracking of CNN segmentations for improved road detection from satellite imagery. IEEE International Conference on Image Processing (ICIP), Taipei, Taiwan, September 2019.

- [2] A. Montaldo, L. Fronda, I. Hedhli, G. Moser, S. B. Serpico and J. Zerubia: Causal Markov mesh hierarchical modeling for the contextual classification of multiresolution satellite images. IEEE International Conference on Image Processing (ICIP), Taipei, Taiwan, September 2019.
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- [7] I. Hedhli, G. Moser, S. Serpico and J. Zerubia: Contextual Multi-Scale Image Classification on Quadtree. IEEE International Conference on Image Processing (ICIP), Phoenix, United States, September 2016.
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