Virginia Estellers – Publications

**Journal Articles**

V. Estellers, M.A. Scott, and S. Soatto. *Robust Surface Reconstruction*  

V. Estellers, and S. Soatto. *Detecting Occlusions as an Inverse Problem*  

V. Estellers, S. Soatto, and X. Bresson. *Adaptive Regularization with the Structure Tensor*  

V. Estellers, J.-P. Thiran, and M. Gabrani. *Surface Reconstruction from Microscopic Images in Optical Lithography*  

V. Estellers, D. Zosso, X. Bresson, and J.-P. Thiran. *Harmonic Active Contours*  

V. Estellers, J.-P. Thiran, and X. Bresson. *Enhanced Compressed Sensing Recovery with Level Set Normals*  

V. Estellers, D. Zosso, R. Lai, S. Osher, J.-P. Thiran, and X. Bresson. *An Efficient Algorithm for Level Set Method Preserving Distance Function*  

V. Estellers, M. Gurban, and J.-P. Thiran. *On dynamic stream weighting for Audio-Visual Speech Recognition*  

V. Estellers and J.-P. Thiran. *Multi-pose lipreading and Audio-Visual Speech Recognition*  

**Conference articles**

V. Estellers, G. Graber, S. Soatto. *Adaptive Multiscale Discretizations for Vision*  
under review for *ECCV*, 2016.

P. Stanley-Marbell, V. Estellers, M. Rinard. *Crayon: Saving Power through Shape and Color Approximation on Next-Generation Displays*  

V. Estellers, M. Scott, and S. Soatto. *Robust Poisson Surface Reconstruction*  
Scale Space and Variational Methods for Computer Vision, 2015.


V. Estellers, D. Zosso, X. Bresson, and J.-P. Thiran. *Harmonic Active Contours for multichannel image segmentation*  

V. Estellers and J.-P. Thiran. *Multipose Audio-Visual Speech Recognition*  

V. Estellers and J.-P. Thiran. *Overcoming Asynchrony in Audio-Visual Speech Recognition*  

V. Estellers, P. M. Baggenstoss, and J.-P. Thiran. *Class-specific classifiers in audio-visual speech recognition*  

V. Estellers, M. Gurban, and J.-P Thiran. *Selecting relevant visual features for speechreading*  
V. Estellers and M. Gabrani. **Contour fitting for automatic SEM filtering of images of integrated circuits.** International patent with IBM, 2013.

D. DeMaris, F. De Morsier, V. Estellers, N. Casatti, M. Gabrani **Layout Assessment Method and System.** International patent with IBM, 2014.