Thibaut Durand

PhD student in Computer Vision,
LIP6, UPMC-Sorbonne Universités

4, place Jussieu
75005 Paris, France
✆ *+33 6 33 90 63 80*
✉ *thibaut.durand@lip6.fr*
`http://webia.lip6.fr/~durandt/`

PhD thesis (since October 2013)

Title	**Semantic attributes and deep learning for the representation of visual data: application in image classification**
	Laboratoire d'Informatique de Paris 6, UPMC-Sorbonne Universités, France (DGA Grant)
Advisors	Matthieu CORD, Nicolas THOME
Areas of interest	*Computer Vision, Machine Learning, Deep Learning, Weakly-Supervised Leaning, Latent (Structural) SVM, Image representation, Object/part detectors*

Education

2012–2013	**M.Sc. in Image and Signal Processing degree**, *University of Cergy-Pontoise*, Cergy (95), France. Master thesis: semantic pooling for image categorization using Multiple Kernel Learning
2010–2013	**Engineering degree**, *ENSEA*, Cergy (95), France, graduate school in electrical engineering, computer science and telecommunications. Specialization: Multimedia Systems

Experience

April–Sept 2013	**Intern**, *Laboratoire d'Informatique de Paris 6*, Paris, France. Semantic attributes for the representation of visual data: application in image classification
Summer 2012	**Summer Intern**, *Laboratoire d'Informatique de Paris 6*, Paris, France. Image representations based on object detectors for object categorization
Summer 2011	**Summer Intern**, *ETIS*, Cergy (95), France. Image representation for leaf recognition

Languages

French	Native language
English	Good knowledge

Computer skills

Languages	*C/C++, Python, Java, Scala, Lua, MATLAB*	OS	*Windows, Linux, Mac*
IDE	*IntelliJ Idea, PyCharm, Eclipse, NetBeans*	Software suites	*Microsoft Office, Open Office*
Library	*PyTorch, Torch7, MatconvNet, OpenCV, VLFeat, LIBSVM, LIBLINEAR, jKernelMachines, Qt, MOSEK*	Hardware	*FPGA (VHDL), microprocessor*

Publications

[1] Thibaut Durand, Taylor Mordan, Nicolas Thome, and Matthieu Cord. WILDCAT: Weakly Supervised Learning of Deep ConvNets for Image Classification, Pointwise Localization and Segmentation. In *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2017.

[2] Thibaut Durand, Nicolas Thome, and Matthieu Cord. WELDON: Weakly Supervised Learning of Deep Convolutional Neural Networks. In *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2016.

[3] Thibaut Durand, Nicolas Thome, and Matthieu Cord. MANTRA: Minimum Maximum Latent Structural SVM for Image Classification and Ranking. In *IEEE International Conference on Computer Vision (ICCV)*, 2015.

[4] Thibaut Durand, Nicolas Thome, Matthieu Cord, and David Picard. Incremental learning of latent structural svm for weakly supervised image classification. In *IEEE International Conference on Image Processing (ICIP)*, 2014.

[5] Thibaut Durand, David Picard, Nicolas Thome, and Matthieu Cord. Semantic pooling for image categorization using multiple kernel learning. In *IEEE International Conference on Image Processing (ICIP)*, 2014.

[6] Thibaut Durand, Nicolas Thome, Matthieu Cord, and Sandra Eliza Fontes de Avila. Image classification using object detectors. In *20th IEEE International Conference on Image Processing (ICIP)*, 2013.