

# List of publications of Olivier Gérard

Last update: Sept. 26, 2000

## 2000

**O. Gérard**, P. Lelong, M. Planells-Rodriguez, S. Makram-Ebeid, B. Verdonck, M. Breeuwer, R. Nijluning, J. Cheung, A. Veldhuizen

*Semi-automatic Landmark Detection in Digital X-Ray Images of the Spine*

Proc. of the international conference on Spinal Deformities (IRSSD'00)

Clermont-Ferrand, May 2000, to be printed

P. Lelong, **O. Gérard**, S. Makram-Ebeid, B. Verdonck, M. Breeuwer, R. Nijluning, J. Cheung, A. Veldhuizen

*3D Reconstruction and Analysis of the Vertebral Body Line*

Proc. of the international conference on Spinal Deformities (IRSSD'00)

Clermont-Ferrand, May 2000, to be printed

J.-L. Hébert, D. Chemla, **O. Gérard**, K. Zamani, R. Franck, Y. Lecarpentier, G. Fontaine

*Contribution of the Crista Supraventricularis to Tricuspid Annulus Excursion in Arrhythmogenic Right Ventricular Dysplasia*

Proc. of the American Thoracic Society Conference (ATS'00)

Toronto, Canada, May 2000

J.-L. Hébert, D. Chemla, **O. Gérard**, K. Zamani, R. Franck, Y. Lecarpentier, G. Fontaine

*Evaluation nouvelle de la dysplasie ventriculaire droite arythmogène (DVDA) par ventriculographie droite et gauche*

Proc. des Journées Européennes de la Société Française de Cardiologie

Paris, France, Janvier 2000

## 1999

**O. Gérard**

*Modélisation de séquences par techniques adaptatives : prévision de décharges de batterie et extraction de contours dans des images médicales.*

**THÈSE** de l'université Paris 6

Soutenue le 29 Juin 1999 devant le jury composé de

Isabelle Bloch, Christian Jutten, Stéphane Canu, Patrick Gallinari, Florence d'Alché-Buc, Sherif Makram-Ebeid, Jean-Noël Patillon.

**O. Gérard**, F. d'Alché-Buc, S. Markam-Ebeid, P. Gallinari, T. Artières.

*Automatic Contour Extraction in Images using a 2-D Hidden Markov Model.*

Proc. Of the International Conference on Artificial Neural Networks (ICANN'99)

p. 455-460, IEE Conf. Publication Vol. No 470

Edinburgh, UK, September 7-10, 1999

**Awarded Best Application Paper**

**O. Gérard**, F. d'Alché-Buc, S. Markam-Ebeid, P. Gallinari, T. Artières.  
*Modèle Markovien et Programmation Dynamique pour l'extraction de contours  
application à des images médicales.*  
GRETSI'99, p. 1205-1208  
Vannes, France, 13-17 Septembre, 1999

**O. Gérard**, J.-N. Patillon, F. d'Alché-Buc.  
*Discharge Prediction of Rechargeable Batteries with Neural Networks.*  
International Journal of Integrated Computer-Aided Engineering, 6(1):41-53, 1999.

## 1998

**O. Gérard**, S. Markam-Ebeid.  
*Automatic Contour Detection by Encoding Knowledge into Active contour  
Models.*  
IEEE Workshop on Applications of Computer Vision (WACV'98)  
Princeton, NJ, USA, October 19-21, 1998

## 1997

**O. Gérard**, J.-N. Patillon, F. d'Alché-Buc.  
*Adaptive Modeling of Battery Behavior.*  
7th International Conf. on Artificial Neural Networks (ICANN'97),  
8-10, 1997. pp. 1095-1100, W. Gerstner et al. editors, vol. 1327 in Lecture Notes in Computer  
Science, Springer-Verlag.  
Lausanne, Switzerland, October 1997

## 1996

**O. Gérard**, J.-N. Patillon  
*Une procédure d'apprentissage automatique des pentes*  
Valgo'96, Marly le Roy, France

## 1995

**O. Gérard**  
*Adaptive System for Smart Battery Management based on Neural Networks.*  
Master Thesis, University Paris 6, September 95.

J.-N. Patillon, **O. Gérard**, F. d'Alché-Buc, S. Gourrier, J.-P. Nadal.  
*Smart Battery Management*  
LEP Annual Review, pp. 52-54, 1995 (published in 1996)