

Complete list of Publications

Theses

- [1] François Bremond, « Environnement de résolution de problèmes pour l'interprétation de séquences d'images (Problem solving environment for image sequence interpretation) », Université de Nice-Sophia Antipolis, INRIA. Octobre 1997.
- [2] François Bremond, Scene Understanding: perception, multi-sensor fusion, spatio-temporal reasoning and activity recognition, HDR Habilitation à diriger des recherches de l'Université de Nice-Sophia Antipolis, July 2007.

Book chapters

- [1] N. Chleq , F. Brémond and M. Thonnat. "Image Understanding for Prevention of Vandalism in Metro Stations". In *The Kluwer International Series in Engineering and Computer Science*. Serie "Advanced Video-Based Surveillance Systems", edited by Carlo S. Regazzoni, Gianni Fabri and Gianni Vernazza. Kluwer Academic Publishers. pp106-116. 1999.
- [2] Frederic Cupillard, François Bremond and Monique Thonnat, Tracking Group of People for Video Surveillance, in *"The Kluwer International Series in Computer Vision and Distributed Processing" Serie "Video-Based Surveillance Systems"*, edited by Paolo Remagnino, Graeme A. Jones, Nikos Paragios and Carlo S. Regazzoni. Kluwer Academic Publishers. pp89-100, 2002.

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- [1] F. Brémond et M. Thonnat. Issues of representing context illustrated by video-surveillance applications. In *International Journal of Human-Computer Studies* (1998) 48, 375-391.
- [2] F. Brémond et M. Thonnat. Tracking Multiple Nonrigid Objects in Video sequences. In *IEEE Transactions On Circuits and Systems for VideoTechnology*, Vol. 8. No. 5, Sep 1998.

- [3] G. Médioni, I. Cohen, F. Brémont, S. Hongeng et R. Nevatia. Event Detection and Analysis from Video Streams. In *IEEE Transactions on Pattern Analysis and Machine Intelligence*, Vol. 23. No. 8, pp. 873-889, Aug 01.
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- [6] Alberto Avanzi, Francois Bremond, Christophe Tornieri and Monique Thonnat, Design and Assessment of an Intelligent Activity Monitoring Platform, in *EURASIP Journal on Applied Signal Processing*, special issue in "Advances in Intelligent Vision Systems: Methods and Applications", 2005:14, pp.2359-2374.
- [7] B. Boulay, F. Brémont and M. Thonnat, Applying 3D Human Model in a Posture Recognition System. In *Pattern Recognition Letter* , Special Issue on vision for Crime Detection and Prevention, Vol.27, No15, pp. 1788-1796, Nov 2006.
- [8] F. Brémont, M. Thonnat and M. Zuniga, Video Understanding Framework For Automatic Behavior Recognition. In *Behavior Research Methods*, 38(3), pp. 416-426, 2006.
- [9] B. Georis, F. Brémont and M. Thonnat, Real-Time Control of Video Surveillance Systems with Program Supervision Techniques. In *the Machine Vision and Applications Journal*, 18:189-205, Jan 2007.
- [10] F. Fusier, V. Valentin, F. Brémont, M. Thonnat, M. Borg D. Thirde and J. Ferryman, Video Understanding for Complex Activity Recognition. In *the Machine Vision and Applications Journal*, 18:167-188, Feb 2007.
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- [12] T. L Le, M. Thonnat, A. Boucher and F. Brémont, Surveillance video indexing and retrieval using objet features and semantic events. In *IJPRAI special issue on Visual Analysis and Understanding for Surveillance Applications*, 2009.

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- [1] F. Brémond et M. Thonnat. A context representation for surveillance systems. In *proc. Of the Workshop on Conceptual Descriptions from Images at the European Conference on Computer Vision (ECCV)*, Cambridge (U.K.), April 1996.
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- [3] F. Brémond et M. Thonnat. Issues in representing context illustrated by scene interpretation applications. In *proc. of the International and Interdisciplinary Conference on Modeling and Using Context (CONTEXT-97)*, Rio de Janeiro, February 1997.
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