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## Publications de Christophe Rosenberger

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### Manuscrits de thèse

1. **C. Rosenberger**, "Contribution à l'évaluation d'algorithmes de traitement d'images" Thèse d'Habilitation à diriger des recherches de l'Université d'Orléans, décembre 2006.
2. **C. Rosenberger**, "Mise en oeuvre d'un système adaptatif de segmentation d'images", Thèse de Doctorat de l'Université de Rennes I, décembre 1999.

### Chapitres de livre international

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2. F. Cherifi, B. Hemery, R. Giot, M. Pasquet, **C. Rosenberger**, "Performance Evaluation Of Behavioral Biometric Systems", Book on Behavioral Biometrics for Human Identification : Intelligent Applications, 21 pages, 2009.
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4. P.-A. Fayolle, A. Pasko, E. Kartasheva, **C. Rosenberger**, C. Toinard, "Automation of the Volumetric Models Construction, in Heterogeneous Objects Modeling and Applications", Lecture Notes in Computer Science, vol. 4889, A. Pasko, V. Adzhiev, and P. Comminos (Eds.), Springer-Verlag, pages 214-238, 2008.
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2. Y. Benezeth, P.M. Jodoin, B. Emile, H. Laurent, **C. Rosenberger**, "Comparative Study of Background Subtraction Algorithms", International Journal of Electronic Imaging, 2010.
3. Y. Benezeth, B. Emile, H. Laurent, **C. Rosenberger**, "Vision-based system for human detection and tracking in indoor environment", Special Issue on People Detection and Tracking of the International Journal of Social Robotics, 2010.
4. S. Chabrier, **C. Rosenberger**, B. Emile, H. Laurent, "Optimization Based Image Segmentation by Genetic Algorithms", EURASIP Journal on Image and Video Processing, 12 pages, 2008.  
URL=<http://www.hindawi.com/GetPDF.aspx?doi=10.1155/2008/842029>.
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URL=<http://www.hindawi.com/Getpdf.aspx?doi=10.1155/2008/693053>
6. A. Choksuriwong, B. Emile, **C. Rosenberger**, H. Laurent, "Comparative study of invariant descriptors for object recognition", International Journal on Electronic Imaging, vol. 17, issue 2, 35 pages, 2008.
7. P.M. Jodoin, M. Mignotte, **C. Rosenberger**, "Segmentation Framework Based on Label Field Fusion", (10), vol. 16, IEEE Transactions on Image Processing, pages 2535-2550, 2007.
8. C. Delgorge, **C. Rosenberger**, G. Poisson, P. Vиейres, "Towards a new tool for the evaluation of the quality of ultrasound compressed images", IEEE Transactions on Medical Imaging, vol. 25, pages 1502-1509, 2006.
9. S. Chabrier, B. Emile, **C. Rosenberger**, H. Laurent, "Unsupervised performance evaluation of image segmentation", Special Issue on Performance Evaluation in Image Processing, EURASIP Journal on Applied Signal Processing, 12 pages, 2006.
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11. **C. Rosenberger**, B. Emile, H. Laurent, "Calibration and Quality Control of Cherries by Artificial Vision", International Journal of Electronic Imaging, Special issue on quality control by artificial vision, pages 539-546, (13), n°3, July 2004.
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## Revue nationale à comité de lecture

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## Conférence invitée

1. **C. Rosenberger**, "Emerging Trends in Biometric Authentication", Workshop on Security and High Performance Computing Systems (SHPCS'09), The IEEE International Conference on High Performance Computing & Simulation (HPCS), Leipzig - Allemagne, 24 mai 2009.
2. **C. Rosenberger**, "Vérifier l'identité d'une entité et l'application de l'authentification biométrique", *Colloque Rendez-vous de la Sécurité de l'Information*, 14 mai, Montréal, Canada 2009.

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1. Y. Benezeth, B. Hemery, H. Laurent, B. Emile, **C. Rosenberger**, "Evaluation of Human Detection Algorithms in Image Sequences", International Conference Advanced Concepts for Intelligent Vision Systems (ACIVS), 2010.
2. B. Hemery, H. Laurent, **C. Rosenberger**, "Subjective evaluation of image understanding results", European Signal Processing Conference (EUSIPCO), 2010.

3. M. El-Abed, R. Giot, B. Hemery, **C. Rosenberger**, "A study of users' acceptance and satisfaction of biometric systems", IEEE International Carnahan Conference on Security Technology (ICCST), 2010.
4. B. Hemery, J.J. Schwartzmann, **C. Rosenberger**, "Study on Color Spaces for Single Image Enrolment Face Authentication", International Conference on Pattern Recognition (ICPR), 2010.
5. R. Belguechi, **C. Rosenberger**, S. Ait Aoudia, "BioHashing for securing fingerprint minutiae templates", International Conference on Pattern Recognition (ICPR), 2010.
6. R. Giot, B. Hemery, **C. Rosenberger**, "Low Cost and Usable Multimodal Biometric System Based on Keystroke Dynamics and 2D Face Recognition", International Conference on Pattern Recognition (ICPR), 2010.
7. R. Belguechi, **C. Rosenberger**, S. Ait Aoudia, "Cancelable authentication based on fingerprints texture", ICMOSS'2010.
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11. R. Giot, M. El-Abed, **C. Rosenberger**, "Keystroke Dynamics With Low Constraints SVM Based Passphrase Enrollment", IEEE Third International Conference on Biometrics : Theory, Applications and Systems (BTAS), Washington DC USA, Sept. 28-30, 2009.
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13. Y. Benezeth, P. M. Jodoin, V. Saligrama, **C. Rosenberger**, "Abnormal Events Detection Based on Spatio-Temporal Co-occurrences", IEEE Computer society Conference on Computer Vision and Pattern Recognition (CVPR), 2009.
14. P.-O. Ladoux, **C. Rosenberger**, B. Dorizzi, "Hand Vein Verification System based on SIFT matching", The 3rd IAPR/IEEE International Conference on Biometrics (ICB), 2009.
15. B. Hemery, H. Laurent, **C. Rosenberger**, "Comparative Study Of Local Descriptors For Measuring Object Taxonomy", IEEE International Conference on Image and Graphics (ICIG), 2009.
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28. C. Gaber, K. Chetehouna, H. Laurent, **C. Rosenberger**, S. baron, "Optical sensor system using computer vision for the level measurement in oil tankers", IEEE International Symposium on Industrial Electronics (ISIE), 2008.
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56. C. Maaoui, H. Laurent, **C. Rosenberger**, "2D shape recognition using Zernike moments", IEEE International Conference on Image Processing (ICIP), Vol. 3, pages 976-979, 2005.
57. C. Delgorge, **C. Rosenberger**, A. Rakotomamonjy, G. Poisson, P. Veyres : "Evaluation of the Quality of Ultrasound Image Compression by Fusion of Criteria with a Support Vector Machine" EUSIPCO, 2005.
58. S. Chabrier, **C. Rosenberger**, B. Emile : "Segmentation Evaluation by Fusion with a Genetic Algorithm" EUSIPCO, 2005.
59. C. Maaoui, **C. Rosenberger**, B. Emile : "Robust color object detection and recognition" EUSIPCO, 2005.
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61. S. Chabrier, B. Emile, H. Laurent, **C. Rosenberger**, P. Marché "Unsupervised Evaluation of Image Segmentation : Application to multi-spectral images" IEEE International Conference on Pattern Recognition (ICPR), (3), pages 576-579, Cambridge, 2004.
62. P.-A. Fayolle, **C. Rosenberger**, C. Toinard "3D Shape Reconstruction of Template Models Using Genetic Algorithms" International Conference on Pattern Recognition (ICPR), (2), pages 269-272, Cambridge, 2004.
63. P.-A. Fayolle, **C. Rosenberger**, C. Toinard "Shape Recovery and Functional Modeling Using Genetic Algorithms" IEEE Virtual Reality International Conference (VRIC), pages 227-232, Laval, 2004.
64. S. Chabrier, **C. Rosenberger**, H. Laurent, B. Emile, P. Marché : "Evaluating the segmentation result of a gray-level image", EUSIPCO, pages 953-956, Vienne, 2004.
65. S. Chabrier, H. Laurent, B. Emile, **C. Rosenberger**, P. Marché : "A comparative study of supervised evaluation criteria for image segmentation", EUSIPCO, pages 1143-1146, Vienne, 2004.

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74. C. Delgorge, P. Vieyres, G. Poisson, **C. Rosenberger**, P. Arbeille "Comparative Survey of Ultrasound Images Compression Methods Dedicated to a Tele-Echography Robotic System" IEEE International Conference on Engineering in Medicine and Biology Society (EMBS), 2001 Istanbul
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### Conférences nationales avec comité de lecture et avec actes

1. R. Belguechi, B. Hemery, **C. Rosenberger**, "Authentification révoicable pour la vérification basée texture d'empreintes digitales", Congrès Francophone en Reconnaissance des Formes et l'Intelligence Artificielle (RFIA), 2010.
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4. Y. Benezeth, B. Emile, H. Laurent et **C. Rosenberger** "Détection de la présence humaine et caractérisation de l'activité", colloque GRETSI 2009.
5. Y. Benezeth, B. Emile, H. Laurent et **C. Rosenberger** "Détection de la Présence Humaine par Vision Infrarouge : Application à la Gestion de l'énergie électrique dans l'habitat", Journée Pôle Capteur 2008, Bourges.
6. B. Hemery, H. Laurent, **C. Rosenberger**, "Reconnaissance faciale par des invariants locaux", Congrès des jeunes chercheurs en vision par ordinateur (ORASIS) 2007
7. A. Hafiane, **C. Rosenberger**, B. Zavidovique, "Caractérisation de textures par les parcours locaux", Congrès des jeunes chercheurs en vision par ordinateur (ORASIS) 2007
8. B. Hemery, H. Laurent, **C. Rosenberger**, "Étude comparative de métriques pour l'évaluation de la localisation d'objets par des boîtes englobantes", colloque GRETSI 2007
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