

# Liste de Publications - William PUECH

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## Bilan des publications :

**Chapitres de livres : 16.**

**Revues internationales : 26.**

**Revues nationales : 3.**

**Brevets : 2.**

**Conférences internationales : 88** conférences internationales avec actes et comités de lecture (dont 6 IEEE ICIP, 21 EUSIPCO, 1 IEEE ICASSP, 20 SPIE IS&T, 1 SIGGRAPH, 4 IEEE ICME)

**Conférences nationales : 32** conférences nationales (dont 9 GRETSI et 13 CORESA).

## Chapitres de livre

- [Dubois 14] L. Dubois, Z. Shahid and Puech. Progress in Data Encryption Research. Chapter 6: Selective Encryption of Images and Videos: From JPEG to H.265/HEVC through JPEG2000 and H.264/AVC. **Nova Publishers**, pp. 137-177, 2014.
- [Puech 13] W. Puech, A.G. Bors and J.M. Rodrigues. Advanced Color Image Processing and Analysis. Chapter 12: Protection of Colour Images by Selective Encryption. **Springer**, pp. 397-421, 2013.
- [Islam 12 d] N. Islam and W. Puech. Signal and Image Processing for Biometrics. Chapter 14: Visual Data Protection. **ISTE-John Wiley & Sons**, Digital Signal and Image Processing Series, pp. 279-296, August 2012.
- [Islam 12 c] N. Islam and W. Puech. Signal and Image Processing for Biometrics. Chapter 13: Data Cryptography. **ISTE-John Wiley & Sons**, Digital Signal and Image Processing Series, pp. 263-277, August 2012.
- [Puech 12 b] W. Puech, A. Trémeau and Ph. Carré. Digital Color: Acquisition, Perception, Coding and Rendering. Chapter 8: Protection of Color Images. **ISTE-John Wiley & Sons**, Digital Signal and Image Processing Series, pp. 227-264, April 2012.
- [Islam 12 b] N. Islam and W. Puech. Traitement du signal et de l'image pour la biométrie. Chapitre 14: Protection des données visuelles. Edition **Hermès-Lavoisier**, Traité IC2, pp. 323-341, September 2012.
- [Islam 12 a] N. Islam and W. Puech. Traitement du signal et de l'image pour la biométrie. Chapitre 13: Cryptographie des données. Edition **Hermès-Lavoisier**, Traité IC2, pp. 305-321, September 2012.
- [Puech 12 a] W. Puech, A. Trémeau and Ph. Carré. Couleur numérique : Acquisition, perception, codage et rendu. Chapitre 9: Protection des images couleur. Edition **Hermès-Lavoisier**, Traité IC2, pp. 267-300, June 2012.
- [Hadmi 12] A. Hadmi, W. Puech, B. Ait Es Said and A. Ait Ouahman. Watermarking - Volume 2. Chapter 2: Perceptual Image Hashing. **InTech**, pp. 17-42, May 2012.

- [**Goudia 12**] D. Goudia, M. Chaumont, W. Puech and N. Hadj Said. Watermarking - Volume 1. Chapter 1: Quantization Watermarking for Joint Compression and Data Hiding Schemes. **InTech**, pp. 1-26, May 2012.
- [**Lange 12**] B. Lange, N. Rodriguez and W. Puech. Energy Efficiency - A Bridge to Low Carbon Economy. Chapter 8: Energy Consumption Improvement Through a Visualization Software. **InTech**, pp. 161-184, March 2012.
- [**Shahid 11**] Z. Shahid, M. Chaumont and W. Puech. Effective Video Coding for Multimedia Applications. Chapter 1: Scalable Video Coding. **InTech**, pp. 3-20, April 2011.
- [**Chaumont 09**] M. Chaumont and W. Puech. Recents Advances in Signal Processing. Chapter 7: Protecting the Color Information by Hiding it. **InTech**, pp. 101-122, November 2009.
- [**Hayat 09**] K. Hayat, W. Puech and G. Gesquière. Recents Advances in Signal Processing. Chapter 8: JPEG2000-Based Data Hiding and its Application to 3D Visualization. **InTech**, pp. 123-146, November 2009.
- [**Puech 08**] W. Puech and G. Coatrieux. Compression of Biomedical Images and Signals. Chapter 10: Hybrid Coding Using Encryption, Data Hiding and Compression for the Security of Medical Information. **ISTE-John Wiley & Sons**, serie: Digital Signal Processing, pp. 247-275, March 2008.
- [**Puech 07**] W. Puech and G. Coatrieux. Compression des images et des signaux médicaux. Chapitre 10 : Codage hybride cryptage-marquage-compression pour la sécurisation de l'information médicale. Edition **Hermès-Lavoisier**, Traité IC2, pp. 269-298, Mars 2007.

## Revue internationale avec comité de lecture

- [Masmoudi 14 a] A. Masmoudi, W. Puech and A. Masmoudi. An improved lossless image compression based arithmetic coding using mixture of non-parametric distributions. *Multimedia Tools and Applications*, **Springer**, vol. XX, N° XX, pp. xx, 2014.
- [Zaid 14] A.O. Zaid, M. Hachani and W. Puech. Wavelet-based high-capacity watermarking of 3-D irregular meshes. *Multimedia Tools and Applications*, **Springer**, vol. XX, N° XX, pp. xx, 2014.
- [Masmoudi 14 b] A. Masmoudi and W. Puech. Lossless chaos-based crypto-compression scheme for image protection. *IET Image Processing*, vol. 8, n° 12, , pp. 671-686, 2014.
- [Dubois 14] L. Dubois, W. Puech and J. Blanc-Talon. Smart selective encryption of H.264/AVC videos using confidentiality metrics. *Annals of telecommunications*, **Springer**, vol. 69, n° 11-12, pp. 569-583, December 2014.
- [Shahid 14] Z. Shahid and W. Puech. Visual Protection of HEVC Video by Selective Encryption of CABAC Binstrings. *IEEE Transactions on Multimedia*, **IEEE**, vol. 16, n° 1, pp. 24-36, January 2014.
- [Beniere 13] R. Bénéière, G. Subsol, G. Gesquière, F. Le Breton and W. Puech. A comprehensive process of reverse engineering from 3D meshes to CAD models. *Computer-Aided Design*, **Elsevier**, vol. 45, n° 11, pp. 1382-1393, November 2013.
- [Hadmi 13] A. Hadmi, W. Puech, B. Ait Es Said and A. Ait Ouahman. A robust and secure perceptual hashing system based on a quantization step analysis. *Signal Processing: Image Communication*, **Elsevier**, vol. 28, n° 8, pp. 929-948, September 2013.
- [Shahid 13 b] Z. Shahid, M. Chaumont and W. Puech. H.264/AVC video watermarking for active fingerprinting based on Tardos code. *Signal, Image and Video Processing*, **Springer**, vol. 7, n° 4 , pp. 679-694, July 2013.
- [Chaumont 13] M. Chaumont, W. Puech and C. Lahanier. Securing color information of an image by concealing the color palette. *Journal of Systems and Software*, **Springer**, vol. 86, n°3, pp. 809-825, March 2013.
- [Shahid 13 a] Z. Shahid, M. Chaumont and W. Puech. Considering the reconstruction loop for data hiding of intra- and inter-frames of H.264/AVC. *Signal, Image and Video Processing*, **Springer**, vol. 7, n° 1, pp. 75-93, January 2013.
- [Abu-Zhara 12] A. Abu-Zahra, Z. Shahid, A. Rattrout, and W. Puech. Independent protection of different layers in spatially scalable video coding. *Procedia Computer Science*, **Elsevier**, vol. 10, pp. 240-246, 2012.
- [Goudia 12] D. Goudia, M. Chaumont, W. Puech and N. Hadj Said. Joint trellis-coded quantization watermarking for JPEG2000. *Annals of telecommunications*, **Springer**, vol. 67, n° 7-8, pp. 407-421, July-August 2012.
- [Grémillet 12] D. Grémillet, W. Puech, V. Garçon, T. Boulinier and Y. Le Maho. Robots in Ecology: Welcome to the machine. *Open Journal of Ecology*, vol. 2 n° 2, pp. 49-57, May 2012.
- [Islam 11] N. Islam, W. Puech, K. Hayat and R. Brouzet. Application of Homomorphism to Secure Image Sharing. *Optics Communications*, **Elsevier**, vol. 284, n° 19, pp. 4412-4429, September 2011.
- [Shahid 11] Z. Shahid, M. Chaumont and W. Puech. Fast Protection of H.264/AVC by Selective Encryption of CAVLC and CABAC for I & P Frames. *IEEE Transactions on Circuits and Systems for Video Technology*, **IEEE**, vol. 21, n° 5, pp. 565-576, May 2011.
- [Hayat 10 b] K. Hayat, W. Puech, N. Islam and G. Gesquière. Seamless Heterogeneous 3D Tessellation via DWT Domain Smoothing and Mosaicking. *EURASIP Journal on Advances in Signal Processing*, **EURASIP**, vol. 2010, 15 pages, April 2010.
- [Masmoudi 10 c] A. Masmoudi, W. Puech and M.S. Bouhleh. An Efficient PRBG Based on Chaotic Map and Engel Continued Fractions. *Journal of Software Engineering and Applications*, vol. 3, n° 12, pp. 1141-1147, December 2010.

- [Masmoudi 10 b] A. Masmoudi, W. Puech and M.S. Bouhlel. Efficient Adaptive Arithmetic Coding Based on Updated Probability Distribution for Lossless Image Compression. *Journal of Electronic Imaging, IS&T & SPIE*, vol. 19, n° 2, pp. 023014-1-023014-6, April-June 2010.
- [Hayat 10 a] K. Hayat, W. Puech and G. Gesquière. Adaptively Synchronous Scalable Spread Spectrum (A4S) Data-Hiding Strategy for Three-Dimensional Visualization. *Journal of Electronic Imaging, IS&T & SPIE*, vol. 19, n° 2, pp. 023011-1-023011-16, April-June 2010.
- [Masmoudi 10 a] A. Masmoudi, W. Puech and M.S. Bouhlel. A New Joint Lossless Compression and Encryption Scheme Combining a Binary Arithmetic Coding With a Pseudo Random Bit Generator. *International Journal of Computer Science & Information Security*, vol. 8, n° 1, pp. 170-175, April 2010.
- [Amat 10] P. Amat, W. Puech, S. Druon and J.P. Pedeboy. Lossless 3D Steganography Based on MST and Connectivity Modification. *Signal Processing: Image Communication, Elsevier*, vol. 25, n° 6, pp. 400-412, July 2010.
- [Chauve 09] A. Chauve A, C. Vega, S. Durrieu, F. Bretar, T. Allouis, M. Pierrot Deseilligny and W. Puech. Processing Full-Waveform Lidar Data in an Alpine Coniferous Forest: Assessing Terrain and Tree Height Quality. *International Journal of Remote Sensing, Taylor & Francis*, vol. 30, n° 19, pp. 5211-5228, October 2009.
- [Hayat 08] K. Hayat, W. Puech and G. Gesquière. Scalable 3D Terrain Visualization through Reversible JPEG2000-Based Blind Data Hiding. *IEEE Transactions on Multimedia, IEEE*, vol. 10, n° 7, pp. 1261-1276, November 2008.
- [Puech 07] W. Puech, J.M. Rodrigues and J.E. Develay-Morice. A New Fast Reversible Method for Image Safe Transfer. *Journal of Real-Time Image Processing (JRTIP), Springer*, vol. 2, n° 1, pp. 55-65, October 2007.
- [Khireddine 07] A. Khireddine, K. Benmahammed K. and W. Puech. Digital image restoration by Wiener filter in 2D case. *Journal of Advances in Engineering Software (AES), Elsevier*, vol. 38, n° 7, pp. 513-516, July 2007.
- [Djemal 06] K. Djemal, W. Puech and B. Rossetto. Automatic Active Contours Propagation in a Sequence of Medical Images. *International Journal of Image and Graphics (IJIG)*, vol. 6, n° 2, 2006, pp. 267-292, April 2006.
- [Lo-varco 05] G. Lo-varco, W. Puech and M. Dumas. Content Based Watermarking for Securing Color Images. *Journal of Imaging Science and Technology (JIST)*, vol. 49, n° 5, pp. 450-459, September 2005.
- [Puech 01] W. Puech, A. Bors, I. Pitas and J.-M. Chassery. Projection Distortion Analysis for Flattened Image Mosaicing from Straight Uniform Generalized Cylinders. *Pattern Recognition (PR), Elsevier*, vol. 34, n° 8, pp. 1657-1670, August 2001.
- [Puech 97] W. Puech, J.-M. Chassery and I. Pitas. Curved Surface Reconstruction Based on Parallels. A. Le Mehaute, C. Rabut and L.L. Schumaker *Curves and Surfaces in Geometric Design*, Vanderbilt University Press, Nashville, TN, pp. 481-488, 1997.
- [Puech 97] W. Puech, J.-M. Chassery and I. Pitas. Cylindrical Surface Localization in Monocular Vision. *Pattern Recognition Letters (PRL), Elsevier*, vol. 18, n° 8, pp. 711-722, August 1997.

## Revue nationale avec comité de lecture

- Bénière 11 RN** R. Bénière, G. Subsol, G. Gesquière, F. Le Breton and W. Puech. Décomposition d'un maillage triangulaire 3D en carreaux quadrangulés. *Revue Electronique Francophone d'Informatique Graphique (REFIG)*, vol. 5, n° 1, 2011.
- Amat 08 RN** P. Amat, W. Puech, S. Druon and J.P. Pedeboy. Dissimulation de données par changement de connexité d'un maillage 3D. *Revue Traitement du signal (TS)*, vol. 25, n° 3, 2008.
- Puech 06 RN** W. Puech, J.M. Rodrigues and J.E. Develay-Morice. Transfert sécurisé d'images médicales par codage conjoint : cryptage sélectif par AES en mode par flot et compression JPEG. *Revue Traitement du signal (TS)*, numéro spécial "Traitement du signal appliqué à la cancérologie", vol. 23, n° 3-4, pp. 201-211, 2006.

## Brevets

- 1 Brevet national - CNRS - Procédé de transmission sécurisée de données (oct. 2005) FR2892583.  
1 Brevet international - CNRS - Method for secure transmission of data (apr. 2007) WO 2007/045746.

## Conférences internationales avec actes et comité de lecture

- Tournier 11 CI b** N. Tournier, W. Puech, G. Subsol and J.P. Pedeboy. 3D Data Hiding for Enhancement and Indexation on Multimedia Medical Data. *Proc. 2nd International Workshop on Medical Image Analysis and Description for Diagnosis Systems, MIAD 2011*, Rome, Italy, 28-29 January, 2011.
- Quatrehomme 11 CI** A. Quatrehomme, D. Hoa, G. Subsol and W. Puech. Content-Based Computer Tomography Image Retrieval on a Whole-Body Anatomical Reference Set: Methods and Preliminary Results. *Proc. 2nd International Workshop on Medical Image Analysis and Description for Diagnosis Systems, MIAD 2011*, Roma, Italy, 28-29 January, 2011.
- Bénière 11 CI** R. Bénière, G. Subsol, G. Gesquière, F. Le Breton and W. Puech. Recovering primitives in 3D CAD meshes. **Electronic Imaging**, *3D Image Processing (3DIP) and Applications II, SPIE, IS&T*, vol. 7864B, San Francisco, California, USA, January 23-27, 2011.
- Tournier 11 CI a** N. Tournier, W. Puech, G. Subsol and J. Pedeboy. Feature vertices for 3D synchronization using Euclidean minimum spanning tree. **Electronic Imaging**, *3D Image Processing (3DIP) and Applications II, SPIE, IS&T*, vol. 7864B, San Francisco, California, USA, January 23-27, 2011.
- Lange 11 CI b** B. Lange, N. Rodriguez, W. Puech, H. Rey and X. Vasques. A 3D particle visualization system for temperature management. **Electronic Imaging**, *Visualization and Data Analysis 2011, SPIE, IS&T*, vol. 7868, San Francisco, California, USA, January 23-27, 2011.
- Lange 11 CI a** B. Lange, H. Rey, X. Vasques, N. Rodriguez and W. Puech. Visualization assisted by parallel processing. **Electronic Imaging**, *Parallel Processing for Imaging Applications, SPIE, IS&T*, vol. 7872, San Francisco, California, USA, January 23-27, 2011.
- Islam 11 CI** N. Islam, W. Puech and R. Brouzet. Comparison of three solutions to correct erroneous blocks to extract an image of a multiplicative homomorphic cryptosystem. **Electronic Imaging**, *Media Watermarking, Security, and Forensics XIII, SPIE, IS&T*, vol. 7880, San Francisco, California, USA, January 23-27, 2011.
- Desoubeaux 11 CI** M. Desoubeaux, G. Le Guelvout and W. Puech. Probabilistic fingerprinting codes used to detect traitor zero-bit watermark. **Electronic Imaging**, *Media Watermarking, Security, and Forensics XIII, SPIE, IS&T*, vol. 7880, San Francisco, California, USA, January 23-27, 2011.
- Goudia 11 CI** D. Goudia, M. Chaumont, W. Puech and N. Hadj Said. A joint JPEG2000 compression and watermarking system using a TCQ-based quantization scheme. **Electronic Imaging**, *Visual Information Processing and Communication II, SPIE, IS&T*, vol. 7882, San Francisco, California, USA, January 23-27, 2011.

- Chaumont 11 CI** M. Chaumont, D. Goudia and W. Puech. Hyper-cube watermarking scheme. **Electronic Imaging**, *Visual Information Processing and Communication II, SPIE, IS&T*, vol. 7882, San Francisco, California, USA, January 23-27, 2011.
- Islam 10 CI b** N. Islam, W. Puech, K. Hayat and R. Brouzet. Analysis of Homomorphic Properties of RSA-Based Cryptosystem for Image Sharing. *Proc. IEEE International Conference on Signal Processing, IEEE ICSP-2010*, Beijing, China, October 24-28 2010.
- Shahid 10 CI c** Z. Shahid, M. Chaumont and W. PUECH. Spread Spectrum-Based Watermarking for Tardos Code-Based Fingerprinting for H.264/AVC Video. *Proc. IEEE International Conference on Image Processing, IEEE ICIP-2010*, Hong Kong, September 26-29 2010.
- Shahid 10 CI b** Z. Shahid, M. Chaumont and W. Puech. Over the Real-Time Selective Encryption of AVS Video Coding Standard. *Proc. 18th European Signal Processing Conference, EUSIPCO'10*, Aalborg, Denmark, August 23-27, 2010.
- Masmoudi 10 CI** A. Masmoudi, M.S. Bouhleb and W. Puech. A New Image Cryptosystem Based on Chaotic Map and Continued Fractions. *Proc. 18th European Signal Processing Conference, EUSIPCO'10*, Aalborg, Denmark, August 23-27, 2010.
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- Hadmi 10 CI** A. Hadmi, W. Puech, B. Ait Es Said and A. Ait Ouahman. Analysis of the Robustness of Wavelet-Based Perceptual Signatures. *Proc. IEEE International Conference on Image Processing Theory, Tools and Applications, IPTA-2010*, Paris, France, 7-10 July 2010.
- Bénière 10 CI** R. Bénière, G. Subsol, G. Gesquière, F. Le Breton and W. Puech. Decomposition of a 3D Triangular Mesh into Quadrangulated Patches. *Proc. Int. Conference on Computer Graphics Theory and Applications, GRAPP 2010*, Angers, France, 17-21 May 2010.
- Tournier 10 CI** N. Tournier, W. Puech, G. Subsol and J. Pedeboy. Sensitivity analysis of Euclidean minimum spanning tree. **Electronic Imaging**, *3D Image Processing (3DIP) and Applications I, SPIE, IS&T*, vol. 7526, San Jose, California, USA, January 17-21, 2010.
- Hayat 10 CI** K. Hayat, W. Puech and G. Gesquiere. Seamless heterogeneous tessellation via smoothing and mosaicking in the DWT domain. **Electronic Imaging**, *Visual Information Processing and Communication, SPIE, IS&T*, vol. 7543, San Jose, California, USA, January 17-21, 2010.
- Islam 10 CI a** N. Islam, W. Puech, R. Brouzet. How to secretly share the treasure map of the captain? **Electronic Imaging**, *Multimedia on Mobile Devices 2010, SPIE, IS&T*, vol. 7542, San Jose, California, USA, January 17-21, 2010.
- Hayat 09 CI d** K. Hayat, W. Puech, G. Gesquière and G. Subsol. 3D Facial Visualization through Adaptive Spread Spectrum Synchronous Scalable (A4S) Data Hiding. *Proc. International Conference on Image Processing, IEEE ICIP-2009*, pp. 2473-2476, Cairo, Egypt, 7-10 Nov. 2009.
- Shahid 09 CI f** Z. Shahid, M. Chaumont and W. Puech. Selective and Scalable Encryption of Enhancement Layers for Dyadic Scalable H.264/AVC by Scrambling of Scan Patterns. *Proc. International Conference on Image Processing, IEEE ICIP-2009*, Cairo, Egypt, 7-10 Nov. 2009.
- Islam 09 CI** N. Islam, W. Puech, R. Brouzet. A Homomorphic Method for Sharing Secret Images. *Proc. 8th International Workshop of Digital Watermarking, IWDW 2009 Springer*, LNCS 5703, Guildford, UK, August 24-26, 2009.
- Shahid 09 CI e** Z. Shahid, M. Chaumont and W. Puech. Fast Protection of H.264/AVC by Selective Encryption of CABAC for I & P frames. *Proc. 17th European Signal Processing Conference, EUSIPCO'09*, Glasgow, Scotland, 24-28 Aug. 2009.
- Shahid 09 CI d** Z. Shahid and P. Meuel, M. Chaumont and W. Puech. Considering the Reconstruction Loop for Watermarking of Intra and Inter Frames of H.264/AVC. *Proc. 17th European Signal Processing Conference, EUSIPCO'09*, Glasgow, Scotland, 24-28 Aug. 2009.

- Masmoudi 09 CI** A. Masmoudi, W. Puech and M.S. Bouhlel. A Generalized Continued Fraction-Based Asynchronous Stream Cipher for Image Protection. *Proc. 17th European Signal Processing Conference, EUSIPCO'09*, Glasgow, Scotland, 24-28 aug. 2009.
- Hayat 09 CI c** K. Hayat, W. Puech and G. Gesquière. Seamless Joining of Tiles of Varying Resolutions for Online 3D Terrain Visualization by DWT Domain Smoothing. *Proc. 17th European Signal Processing Conference, EUSIPCO'09*, Glasgow, Scotland, 24-28 aug. 2009.
- Sidibe 09 CI** D. Sidibé, W. Puech and O. Strauss. Ghost Detection and Removal in High Dynamic Range Images. *Proc. 17th European Signal Processing Conference, EUSIPCO'09*, Glasgow, Scotland, 24-28 aug. 2009.
- Chauve 09 CI** A. Chauve, F. Bretar, S. Durrieu, M. Pierrot-Deseilligny and W. Puech. FullAnalyze: a Research Tool for Handling Processing and Analyzing Full-waveform Lidar Data. *Proc. of the IEEE International Geoscience and Remote Sensing Symposium IEEE IGARSS*, Cape Town, South Africa, July 2009.
- Shahid 09 CI c** Z. Shahid, M. Chaumont and W. Puech. Fast Protection of H.264/AVC by Selective Encryption of CABAC. *Proc. IEEE International Conference on Multimedia & Expo, IEEE ICME-2009*, New-York, USA, 28 june - 3 july 2009.
- Hayat 09 CI b** K. Hayat, W. Puech, G. Subsol and G. Gesquière. JPEG2000-Based Data Hiding to Synchronously Unify Disparate Facial Data for Scalable 3D Visualization. *Singaporean-French IPAL Symposium, SinFra 2009*, Fusionopolis, Singapore, 18-20 feb. 2009.
- Shahid 09 CI b** Z. Shahid, M. Chaumont and W. Puech. Fast Protection of H.264/AVC by Selective Encryption. *Singaporean-French IPAL Symposium, SinFra 2009*, Fusionopolis, Singapore, 18-20 feb. 2009.
- Chaumont 09 CI** M. Chaumont et W. Puech. A High Capacity Reversible Watermarking Scheme. **Electronic Imaging**, *Visual Communications and Image Processing 2009, SPIE, IS&T*, San Jose, California, US, 18-22 jan. 2009.
- Hayat 09 CI a** K. Hayat, W. Puech and G. Gesquière. An Adaptive Spread Spectrum (SS) Synchronous Data Hiding Strategy for Scalable 3D Terrain Visualization. **Electronic Imaging**, *Visualization and Data Analysis 2009, SPIE, IS&T*, San Jose, California, US, 18-22 jan. 2009.
- Sidibé 09 CI** D. Sidibé, O. Strauss and W. Puech. Automatic Background Generation from a Sequence of Images Based on Robust Mode Estimation. **Electronic Imaging**, *Digital Photography V, SPIE, IS&T*, San Jose, California, US, 18-22 jan. 2009.
- Shahid 09 CI a** Z. Shahid, M. Chaumont and W. Puech. An Adaptive Scan of High Frequency Subbands of Dyadic Intra Frame in MPEG4-AVC/H.264 Scalable Video Coding. **Electronic Imaging**, *Visual Communications and Image Processing 2009, SPIE, IS&T*, San Jose, California, US, 18-22 Jan. 2009.
- Chaumont 08 CI b** M. Chaumont and W. Puech. A 8-Bit-Grey-Level Image Embedding its 512 Color Palette. *16th European Signal Processing Conference, EUSIPCO'08* aug. 25-29, Lausanne, Switzerland.
- Hayat 08 CI b** K. Hayat, W. Puech and G. Gesquière. A Lossy JPEG2000-based Data Hiding Method for Scalable 3D Terrain Visualization. *16th European Signal Processing Conference, EUSIPCO'08* aug. 25-29, Lausanne, Switzerland.
- Amat 08 CI** P. Amat, W. Puech, S. Druon and J.P. Pedeboy. Lossless Data Hiding Method Based on MST and Topology Changes of 3D Triangular Mesh. *16th European Signal Processing Conference, EUSIPCO'08* aug. 25-29, Lausanne, Switzerland.
- Hayat 08 CI a** K. Hayat, W. Puech and G. Gesquière. Scalable Data Hiding for Online Textured 3D Terrain Visualization. *Proc. IEEE International Conference on Multimedia & Expo IEEE ICME-2008*, jun. 23-26, Hannover, Germany.
- Chaumont 08 CI a** M. Chaumont and W. Puech. Attack by Colorization of a Grey-Level Image Hiding its Color Palette. *Proc. IEEE International Conference on Multimedia & Expo IEEE ICME-2008*, jun. 23-26, Hannover, Germany.



- Puech 08 CI W.** Puech, M. Chaumont and O. Strauss. A Reversible Data Hiding Method for Encrypted Images. **Electronic Imaging, Security, Forensics, Steganography, and Watermarking of Multimedia Contents, SPIE, IS&T**, vol. 6819, San Jose, CA, US, jan. 2008.
- Chauve 07 CI A.** Chauve, S. Durrieu, F. Bretar, M. Pierrot-Deseilligny and W. Puech. Processing full-waveform lidar data to extract forest parameters and digital terrain model: validation in an alpine coniferous forest. *Proc. of the ForestSat Conference*, Montpellier, France, November 2007.
- Chaumont 07 CI d** M. Chaumont and W. Puech. A Grey-Level Image Embedding its Color Palette. *Proc. International Conference on Image Processing, IEEE ICIP-2007*, pp.389-392, San Antonio, Texas, US, sep. 2007.
- Meuel 07 CI P.** Meuel, M. Chaumont and W. Puech. Data Hiding in H.264 Video for Lossless Reconstruction of Region of Interest. *15th European Signal Processing Conference, EUSIPCO'07*, pp. 2301-2305, Poznan, Poland, sep. 2007.
- Amat 07 CI P.** Amat, W. Puech, S. Druon and J.P. Pedeboy. A Data Hiding Method Based on the Topology Change of a 3D Triangular Mesh. *15th European Signal Processing Conference, EUSIPCO'07*, pp. 2524-2528, Poznan, Poland, sep. 2007.
- Hayat 07 CI b** K. Hayat, W. Puech and G. Gesquière. An Efficient Data-hiding Method Based on Lossless JPEG2000 for a Scalable and Synchronized Visualization of 3D Terrains. *15th European Signal Processing Conference, EUSIPCO'07*, pp. 2519-2523, Poznan, Poland, sep. 2007.
- Chaumont 07 CI c** M. Chaumont and W. Puech. Fast Protection of the Color of High Dimension Digital Painting Images. *Proc. 8th International Workshop on Image Analysis for Multimedia Interactive Services, WIAMIS'07*, Santorini, Greece, jun. 2007.
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