

ELENCO PUBBLICAZIONI MAURO BARNI: 2004 – 2011

Libri

1. M. Barni, F. Bartolini, *Watermarking Systems Engineering: Enabling Digital Assets Security and other Applications*, Marcel Dekker, New York, 2004.
2. M. Barni, H. Herrera-Joancomarti, S. Katzenbeisser, F. Perez-Gonzalez (Eds.), *Information Hiding*, 7-th International Workshop, IH 2005, LNCS 3727, Springer Verlag Berlin Heidelberg, 2005.
3. M. Barni, I. Cox, T. Kalker, H-J. Kim (Eds.), *Digital Watermarking*, 4-th International Workshop, IWDW 2005, LNCS 3710, Springer Verlag Berlin Heidelberg, 2005.
4. M. Barni, editor, *Document and Image Compression*, CRC Press, Taylor & Francis Group, Signal Processing Series, May 2006.
5. T. S. Ho, Y-Q. Shi, H.J. Kim, M. Barni, (Eds.), *Digital Watermarking*, 8-th International Workshop, IWDW 2009, LNCS 5703, Springer Verlag Berlin Heidelberg, 2009.

Pubblicazioni su riviste

1. M. Barni, F. Bartolini, "Data hiding for fighting piracy" *IEEE Signal Processing Magazine*, vol. 21, no. 2, March 2004, pp. 28-39.
2. F. Bartolini, M. Barni, A. Piva, "Performance analysis of ST-DM watermarking in presence of non-additive attacks", *IEEE Trans. on Signal Processing*, vol. 52, no. 10, October 2004, pp. 2965-2974.
3. M. Barni, F. Bartolini, N. Checcacci, "Watermarking of MPEG-4 video objects", *IEEE Transactions on Multimedia*, vol. 7, no. 1, February 2005, pp. 23-32..
4. A. Abrardo, M. Barni, "Informed watermarking by means of orthogonal and quasi-orthogonal dirty paper coding", *IEEE Trans. on Signal Processing*, vol. 53, no.2, February 2005, pp. 824-833.
5. M. Barni, "Effectiveness of exhaustive search ant template matching against watermark desynchronization", *IEEE Signal Processing Letters*, vol. 12, no. 2, February 2005, pp. 158-161.
6. M. Barni, A. Pelagotti, A. Piva, "Image processing for the analysis and conservation of paintings: opportunities and challenges", *IEEE Signal Processing Magazine*, vol. 22, no. 5, pp. 141-144, September 2005
7. A. Piva, M. Barni, F. Bartolini, A. De Rosa, "Data hiding technologies for digital radiographies", *IEE Proc. on Vision, Image & Signal Processing*, vol. 152, no. 5, pp. 604-610, October 2005.
8. F. Perez-Gonzalez, C. Mosquera, M. Barni, A. Abrardo, "Rational dither modulation: a high-rate data-hiding method invariant to gain attacks", *IEEE Trans. on Signal Processing*, vol. 53, no. 10, Part 2, pp. 3960-3975, October 2005.
9. A. Abrardo, M. Barni, F. Perez-Gonzalez, C. Mosquera, "Improving the Performance of RDM Watermarking by Means of Trellis Coded Quantization" *IEE Proceedings on Information Security*, vol. 153, no. 3, September 2006, pp. 107-114.
10. R. Caldelli, F. Filippini, M. Barni, "Joint near-lossless compression and watermarking of still images for authentication and tamper localization" *Signal Processing: Image Communication*, Vol. 21, no. 10, November 2006, pp. 890-903
11. M. Corsini, E. Drelie Gelasca, T. Ebrahimi, M. Barni. "Watermarked 3D Mesh Quality Assessment", *IEEE Trans. on Multimedia*, vol. 9. no. 2, February 2007, pp. 247-256.
12. E. Magli, M. Barni, A. Abrardo, M. Grangetto, "Distributed Source Coding Techniques for Lossless Compression of Hyperspectral Images" *EURASIP Journal on Advances in Signal*

- Processing*, vol. 2007, Article ID 45493, 13 pages, 2007
13. D. Prattichizzo, M. Barni, G. Menegaz, A. Formaglio, H. Z. Tan, S. Choi, "Perceptual issues in haptic digital watermarking" *IEEE Multimedia Magazine*, vol. 14, no.3, July/September 2007, pp. 84-91.
 14. Z. Erkin, A. Piva, S. Katzenbeisser, R. L. Lagendijk, J. Shokrollahi, G. Neven, and M. Barni, "Protection and Retrieval of Encrypted Multimedia Content: When Cryptography Meets Signal Processing," *EURASIP Journal on Information Security*, vol. 2007, Article ID 78943, 20 pages, 2007. doi:10.1155/2007/78943
 15. A. Piva and M. Barni, "Design and Analysis of the First BOWS Contest," *EURASIP Journal on Information Security*, vol. 2007, Article ID 98684, 8 pages, 2007. doi:10.1155/2007/98684
 16. C. Orlandi, A. Piva, and M. Barni, "Oblivious Neural Network Computing via Homomorphic Encryption," *EURASIP Journal on Information Security*, vol. 2007, Article ID 37343, 11 pages, 2007. doi:10.1155/2007/37343
 17. D'Angelo, M. Barni, and N. Merhav, "Stochastic Image Warping for Improved Watermark Desynchronization," *EURASIP Journal on Information Security*, vol. 2008, Article ID 345184, 14 pages, 2008. doi:10.1155/2008/345184.
 18. T. Bianchi, A. Piva, M. Barni, "On the Implementation of the Discrete Fourier Transform in the Encrypted Domain", *IEEE Transactions on Information Forensics and Security*, vol. 4 no. 1, March 2009, pp. 86-97.
 19. G. Cancelli, M. Barni, "MPSteg-color: data hiding through redundant basis decomposition", *IEEE Transactions on Information Forensics and Security*, vol. 4 no. 3, September 2009, pp. 346-358.
 20. T. Bianchi, A. Piva, M. Barni, "Encrypted Domain DCT based on Homomorphic Cryptosystems", *EURASIP Journal on Information Security*, vol. 2009, Article ID 716357, 12 pages, 2009, doi:10.1155/2009/716357.
 21. T. Bianchi, A. Piva, M. Barni, "Composite Signal Representation for Fast and Storage-Efficient Processing of Encrypted Signals", *IEEE Transactions on Information Forensics and Security*, vol. 5, no. 1, March 2010, pp. 180-187.
 22. D'Angelo, L. Zhaoping, M. Barni, "A full reference quality metric for geometrically distorted images", *IEEE Transactions on Image Processing*, vol. 19, no. 4, April 2010, pp. 867-881.
 23. Abrardo, M. Barni, E. Magli, F. Nencini, "Error-resilient and low-complexity onboard lossless compression of hyperspectral images by means of distributed source coding", *IEEE Transactions on Geoscience and Remote Sensing*, vol. 48, no. 4, Part:1, April 2010, pp. 1892-1904.
 24. P. Comesana, N. Merhav, M. Barni, "Asymptotically Optimum Universal Watermark Embedding and Detection in the High SNR Regime", *IEEE Transactions on Information Theory*, vol. 56, no. 6, June 2010, pp. 2804-2815.
 25. K. Kim, M. Barni, H. Z. Tan, "Roughness-Adaptive 3D Watermarking Based on Masking Effect of Surface Roughness", *IEEE Transactions on Information Forensics and Security*, vol. 5, no. 4, December 2010, pp. 721-733.
 26. M. Barni, P. Failla, R. Lazzeretti, A-R. Sadeghi, T. Schneider, "Privacy-Preserving ECG Classification with Branching Programs and Neural Networks", accepted for publication on the *IEEE Trans. on Information Forensics and Security*.

1. A. Abrardo, M. Barni, "Orthogonal dirty paper coding for informed data hiding", in *"Security, Steganography and Watermarking of Multimedia Contents VI"*, P. W. Wong and E. J. Delp eds., Proc. of SPIE vol. 5306, 19-22 January 2004. S. Josè (CA).
2. M. Barni, F. Bartolini, A. Borello, "Evaluating the performance of ST-DM watermarking in non additive channels", in *"Security, Steganography and Watermarking of Multimedia Contents VI"*, P. W. Wong and E. J. Delp eds., Proc. of SPIE vol. 5306, 19-22 January 2004. S. Josè (CA).
3. R. Caldelli, G. Macaluso, F. Bartolini, M. Barni, "Near-lossless image authentication transparent to near-lossless compression", in *"Security, Steganography and Watermarking of Multimedia Contents VI"*, P. W. Wong and E. J. Delp eds., Proc. of SPIE vol. 5306, 19-22 January 2004. S. Josè (CA).
4. A. Piva, R. Caldelli, F. Bartolini, M. Barni, "Semi-fragile watermarking for still images authentication and content recovery", Proc. of WIAMIS 2004, 5-th International Workshop on Image Analysis for Multimedia Interactive Services, 21-23 April 2004, Lisboa, Portugal.
5. A. Abrardo, M. Barni, "Fixed-distortion orthogonal dirty paper coding for perceptual still image watermarking", Proc. of IH Workshop, May 2004, Toronto.
6. E. Magli, R. Troia, M. Barni, "Minimum-Impact-on-Classifer (MIC) Watermarking for Protection of Remote Sensing Imagery", Proceedings of IGARSS 2004, IEEE International Geoscience and Remote Sensing Symposium, September 2004, Anchorage, Alaska.
7. R. Caldelli, G. Macaluso, M. Barni, E. Magli, "Joint Near-Lossless Watermarking and Compression for the Authentication of Remote Sensing Images", Proceedings of IGARSS 2004, IEEE International Geoscience and Remote Sensing Symposium, September 2004, Anchorage, Alaska.
8. F. Uccheddu, M. Corsini, M. Barni, "Wavelet-based blind watermarking of 3D models", Proceedings of ACM Multimedia and Security Workshop 2004, 20-21 September 2004, Magdeburgh, Germany.
9. F. Perez-Gonzalez, M. Barni, A. Abrardo, C. Mosquera, "Rational Dither Modulation: A Novel Data-Hiding Method Robust to Value-Metric Scaling Attacks" Proceedings of MMSP 2004, IEEE Workshop on Multimedia Signal Processing, September 29 – October 1, 2004, Siena Italy.
10. F. Perez-Gonzalez, C. Mosquera, M. Barni, A. Abrardo, "Ensuring gain-invariance in high-rate data hiding", in *"Security, Steganography and Watermarking of Multimedia Contents VII"*, P. W. Wong and E. J. Delp eds., Proc. of SPIE vol. 5681, 16-20 January 2005. S. Josè (CA).
11. R. Caldelli, A. De Rosa, M. Barni, R. Becarelli, "Coping with local geometric attacks by means of optic-flow-based resynchronization for robust watermarking" in *"Security, Steganography and Watermarking of Multimedia Contents VII"*, P. W. Wong and E. J. Delp eds., Proc. of SPIE vol. 5681, 16-20 January 2005. S. Josè (CA).
12. M. Barni, "Shedding light on some possible remedies against watermark de-synchronization: a case study", in *"Security, Steganography and Watermarking of Multimedia Contents VII"*, P. W. Wong and E. J. Delp eds., Proc. of SPIE vol. 5681, 16-20 January 2005. S. Josè (CA).
13. F. Uccheddu, M. Corsini, V. Cappellini, M. Barni, "A roughness-based algorithm for perceptual watermarking of 3D meshes", Proceedings of VSMM 04, Virtual System on Multimedia, 17-19 November 2004, Ogaki City, Japan.
14. D. Prattichizzo, M. Barni, Hong Z. Tan, S. Choi, "Percepibility of Haptic Digital Watermarking of Virtual Textures", Proceedings of Worldhaptic, Pisa, Italy March 18-20, 2005.
15. M. Barni, D. Papini, A. Abrardo, E. Magli, "Distributed source coding of hyperspectral images" Proceedings of IGARSS 2005, IEEE Intern. Geoscience and Remote Sensing Symposium, Seoul, Korea, July 2005, vol. 1, pp. 25-29.
16. D. Papini, M. Barni, A. Abrardo, A. Garzelli, E. Magli, Proceedings of Mathematics of Data/Image Coding, Compression, and Encryption VIII, with Applications, SPIE Conf.

- 5915, August 1-2, 2005, S. Diego, (CA).
17. E. Drelie Gelasca, T. Ebrahimi, M. Corsini, M. Barni, "Objective Evaluation of The Perceptual Quality of 3D Watermarking", *Proc. of ICIP 2005, IEEE International Conference on Image Processing*, 11-14 September 2005, Genova – Italy, vol. 1, pp. 241-244.
 18. A. Nonnis, M. Grangetto, E. Magli, G. Olmo, M. Barni, "Improved Low-Complexity Intra-band Lossless Compression of Hyperspectral Images by Means of Slepian-Wolf Coding", *Proc. of ICIP 2005, IEEE International Conference on Image Processing*, 11-14 September 2005, Genova – Italy, vol. 1, pp. 829-832.
 19. R. Caldelli, A. Piva, M. Barni, A. Carboni, "Effectiveness of ST-DM watermarking against intra-video collusion", in *LNCS 3710, Proc. of IWDW 2005, International Workshop on Digital Watermarking*, 15-17 September 2005, Siena, pp.158-170.
 20. A. Abrardo, M. Barni, F. Perez-Gonzalez, C. Mosquera, "Trellis-Coded Rational Dither Modulation for Digital Watermarking", in *LNCS 3710, Proc. of IWDW 2005, International Workshop on Digital Watermarking*, 15-17 September 2005, Siena, pp.351-360.
 21. G. Cancelli, M. Barni, G. Menegaz, "MPsteg: hiding a message in the Matching Pursuit domain", in "*Security, Steganography and Watermarking of Multimedia Contents VIII*", P. W. Wong and E. J. Delp eds., *Proc. of SPIE vol. 6072*, 15-19 January 2006. S. José (CA).
 22. A. Piva, D. Corazzi, C. Orlandi, A. De Rosa, M. Barni, "Zero Knowledge ST-DM Watermarking", in "*Security, Steganography and Watermarking of Multimedia Contents VIII*", P. W. Wong and E. J. Delp eds., *Proc. of SPIE vol. 6072*, 15-19 January 2006. S. José (CA).
 23. S. Belloni, A. Formaglio, G. Menegaz, H.Z. Tan, D. Prattichizzo, M. Barni, "Is haptic watermarking worth it?", in "*Human Vision and Electronic Imaging XI*", *proc. of SPIE vol. 6057*, 15-19 January 2006. S. José (CA).
 24. F. Guerrini, R. Leonardi, M. Barni, "Image watermarking robust against non-linear value-metric scaling based on higher order statistics", *Proc. of ICASSP 2006, IEEE International Conference on Acoustic Speech and Signal Processing*, 14-19 May 2006, Toulouse, France, vol. 5, pp. 397-400.
 25. S. Belloni, A. Formaglio, G. Menegaz, H. Z. Tan. D. Prattichizzo, M. Barni, "Perceptibility of digital watermarking in haptically enabled 3D meshes", *Proceedings of Eurohaptics 2006*, 3-6 July 2006, Paris
 26. M. Barni, C. Orlandi, A. Piva, "A Privacy-Preserving Protocol for Neural-Network-Based Computation" in *Proceedings of ACM Multimedia and Security Workshop*, 26-27 September 2006, Geneva, Switzerland.
 27. A. Piva, M. Barni, "The first BOWS contest (Break Our Watermarking System)", in "*Security, Steganography and Watermarking of Multimedia Contents IX*", P. W. Wong and E. J. Delp eds., *Proc. of SPIE vol. 6505*, 28 January - 1 February 2007. S. José (CA).
 28. R. Caldelli, N. Mondani, V. Cappellini, A. Piva, M. Barni, "Detection of malevolent changes in digital video for forensic applications" in "*Security, Steganography and Watermarking of Multimedia Contents IX*", P. W. Wong and E. J. Delp eds., *Proc. of SPIE vol. 6505*, 28 January - 1 February 2007. S. José (CA).
 29. A. D'Angelo, G. Menegaz, M. Barni, "Perceptual quality evaluation of geometric distortions in images" in "*Human Vision and Electronic Imaging XII*", B. E. Rogowitz; T. N. Pappas; S. J. Daly, eds., *Proc. of SPIE vol. 6492*, 28 January - 1 February 2007. S. José (CA).
 30. M. Barni, F. Perez-Gonzalez, P. Comesana, G. Bartoli, "Putting reproducible signal processing into practice: a case study in watermarking", in *Proc. of ICASSP 2007, IEEE International Conference on Acoustic Speech and Signal Processing*, 15-20 April 2007, pp. IV-1261 – IV-1264.
 31. G. Cancelli, M. Barni, "MPSteg-color: a new steganographic technique for color images",

- Proceedings of Information Hiding*, 9-th International Workshop, IH 2007, Springer Verlag, 11-13 June 2007, Saint-Malò, France.
32. A. D'Angelo, M. Barni, N. Merhav, "Expanding the class of watermark desynchronization attacks", *Proceedings of 9-th ACM Multimedia Security Workshop*, Dallas, Texas, 20-21 September 2007.
 33. E. Beccagliani, M. Barni, L. Capobianco, A. Garzelli, E. Magli, F. Nencini, R. Vitulli, "Low-complexity lossless compression of hyper- and ultra-spectral images based on Slepian-Wolf coding", *Proceedings of PCS 2007, 29-th Picture Coding Symposium*, Lisbon, Portugal, 7-9 November 2007.
 34. F. Uccheddu, M. Barni, C.-C. J Kuo, "Anticollusion watermarking of 3D meshes by prewarping", *Proceedings of Security, Forensics, Steganography, and Watermarking of Multimedia Contents X (EI118)*. S. Josè 2008
 35. P. Comesana, M. Barni, N. Merhav, "On the Error Exponents of One-Bit Watermarking under AWGN for Limited Detection Resources", *Proceedings of Security, Forensics, Steganography, and Watermarking of Multimedia Contents X (EI118)*. S. Josè 2008
 36. A. D'Angelo, M. Pacitto, M. Barni, "A psychovisual experiment on the use of Gibbs potential for the quality assessment of geometrically distorted images", *Proceedings of "Human Vision and Electronic Imaging XII"*, January 2008, S. Josè (CA).
 37. A. Del Mastio, A. Piva, M. Barni, V. Cappellini, L. Stefanini, "Color transplant for reverse ageing of faded artworks", in "*Computer Image Analysis in the Study of Art*", David G. Stork, Jim Coddington eds., *Proc. of SPIE vol. 6810*, 28 January 2008. S. Josè (CA), DOI:10.1117/12.765680.
 38. T. Bianchi, A. Piva, M. Barni, "Implementing the Discrete Fourier Transform in the Encrypted Domain", *Proc. of 33rd International Conference on Acoustics, Speech, and Signal Processing (ICASSP08), March-April 2008*, Las Vegas, Nevada, USA, pp. 1757-1760.
 39. T. Bianchi, A. Piva, M. Barni, "Comparison of Different FFT Implementations in the Encrypted Domain", *Proceedings of 16-th European Signal Processing Conference, EUSIPCO 2008*, Lausanne, 25-29 August 2008.
 40. R. Lazzeretti, M. Barni, "Lossless compression of encrypted grey-level and color images", *Proceedings of 16-th European Signal Processing Conference, EUSIPCO 2008*, Lausanne, 25-29 August 2008.
 41. A. Piva, C. Orlandi, M. Caini, T. Bianchi, M. Barni, "Enhancing Privacy in Remote Data Classification", *Proc. of 23rd International Information Security Conference (SEC 2008)*, September 8 - 10, 2008, Milan, Italy.
 42. T. Bianchi, A. Piva, M. Barni, "Efficient Pointwise and Blockwise Encrypted Operations", *Proceedings of 10th ACM Workshop on Multimedia and Security*, 22-23 September 2008, Oxford, UK.
 43. A. Abrardo, M. Barni, A. Bertoli, A. Garzelli, E. Magli, F. Nencini, B. Penna, R. Vitulli, "Low-complexity and error-resilient hyperspectral image compression based on distributed source coding", in *SPIE Remote Sensing 2008, Proc. SPIE Vol. 7109*, Cardiff, UK, 15-18 September 2008.
 44. A. D'Angelo, M. Barni, "A structural method for quality evaluation of desynchronization attacks in image watermarking" *Proceedings of 2008 International Workshop on Multimedia Signal Processing (MMSP 2008)*, October 2008, Cairns, Australia.
 45. G. Cancelli, G. Doerr, M. Barni, I.J.Cox, "A Comparative Study of ± 1 Steganalyzers", *Proceedings of 2008 International Workshop on Multimedia Signal Processing (MMSP 2008)*, October 2008, Cairns, Australia.
 46. G. Cancelli, G. Doerr, I. J. Cox, M. Barni "Detection of ± 1 LSB Steganography based on the Amplitude of Histogram Local Extrema", *Proceedings of IEEE International Conference on Image Processing, ICIP 2008*, S. Diego - CA, 12-15 October 2008.

47. T. Bianchi, A. Piva, M. Barni, "Discrete Cosine Transform of Encrypted Images", *Proceedings of IEEE International Conference on Image Processing, ICIP 2008*, S. Diego - CA, 12-15 October 2008.
48. A. D'Angelo, M. Barni, "Multiresolution quality evaluation of geometrically distorted images", *Proceedings of VPQM'09, IV International Workshop on Video Processing and Quality Metrics for Consumer Electronics*, Scottsdale, Arizona, U.S.A. 15-16 January 2009.
49. K. Kim, M. Barni, H.Z. Tan, "Roughness-Adaptive 3D Watermarking of Polygonal Meshes", *Proceedings of Information Hiding, 11-th International Workshop, IH 2009*, Springer Verlag, 7-10 June 2009, Darmstadt, Germany.
50. A. Bianchi, A. Piva, M. Barni, "Efficient Linear Filtering of Encrypted Signals via Composite Representation", *proceedings of 16-th International Conference on Digital Signal Processing*, 5-7 July 2009, Santorini - Greece.
51. A. Abrardo, M. Barni, C.M. Carretti, "Watermark embedding and recovery in the presence of C-LPCD de-synchronization attacks", in *LNCS 5703, Proc. of IWDW 2009, 8-th International Workshop on Digital Watermarking*, 24-26 August 2009, Guildford, UK, pp. 54-68.
52. M. Barni, P. Failla, V. Kolesnikov, R. Lazzeretti, A.-R. Sadeghi, and T. Schneider, "Secure evaluation of private linear branching programs with medical applications", *Proc. of 14th European Symposium on Research in Computer Security (ESORICS '09)*, volume 5789 of LNCS. Springer, September 21-25, 2009.
53. A. D'Angelo, M. Carli, M. Barni, "Quality Evaluation of Motion Estimation Algorithms Based on Structural Distortions", *Proceedings of MMSP 2009, IEEE Int. Workshop on Multimedia Signal Processing*, 5-7 October 2009, Rio de Janeiro, Brazil.
54. P. Zontone, G. Boato, F. G. B. De Natale, A. De Rosa, M. Barni, A. Piva, J. S. Hare, D. Dupplaw, P. H. Lewis, "Image diversity analysis: context, opinion and bias", *Proc. of First International Workshop on Living Web*, 26 October 2009 Washington DC., USA.
55. G. Valenzise, M. Tagliasacchi, S. Tubaro, G. Cancelli, M. Barni, "A Compressive-Sensing Based Watermarking Scheme for Sparse Image Tampering Identification", *Proceedings of ICIP 2009, IEEE Int. Conf. on Image Processing*, 7-10 November 2009, Cairo, Egypt.
56. M. Barni, P. Failla, V. Kolesnikov, R. Lazzeretti, A. Paus, A.-R. Sadeghi, and T. Schneider, "Efficient privacy-preserving classification of ecg signals". *Proc. of WIFS '09, 1st IEEE International Workshop on Information Forensics and Security*, December 6-9, 2009.
57. T. Bianchi, T. Veugen, A. Piva, M. Barni, "Processing in the Encrypted Domain using a Composite Signal Representation: Pros and Cons". *Proc. of WIFS '09, 1st IEEE International Workshop on Information Forensics and Security*, December 6-9, 2009.
58. A. De Rosa, F. Ucheddu, A. Costanzo, A. Piva, M. Barni, "Exploring image dependencies: a new challenge in image forensics" *Proceedings of SPIE, Media and Forensics Security II*, S. Josè, California, 18-20 January, 2010, SPIE vol. 7541, pp. 75410X1 - 75410X12.
59. M. Barni, G. Cancelli, A. Esposito, "Forensics aided steganalysis of heterogeneous images", *Proc. of ICASSP 2010, IEEE International Conference on Acoustic Speech and Signal Processing*, Dallas, Texas, 14-19 March 2010, pp. 1690-1693
60. M. Barni, A. Costanzo, L. Sabatini, "Identification of cut & paste tampering by means of double-JPEG detection and image segmentation", *Proceedings of ISCAS 2010, IEEE International Symposium on Circuits and Systems*, 30 May – 2 June, 2010, Paris.
61. F. Ucheddu, A. De Rosa, A. Piva, M. Barni, "Detection of resampled images: performance analysis and practical challenges", *Proceedings of EUSIPCO 2010, XVIII European Signal Processing Conference*, 24-27 August, 2010, Aalborg, Denmark.
62. P. Failla, M. Barni, "Gram – Schmidt Orthogonalization on Encrypted Vectors", *Proceedings of XXI International Tyrrhenian Workshop on Digital Communications – Trustworthy Internet*, Ponza, Italy, 6-8 September 2010.

63. M. Barni, T. Bianchi, D. Catalano, M. Di Raimondo, R. Donida Labati, P. Failla, D. Fiore, R. Lazzeretti, V. Piuri, A. Piva, F. Scotti, "Privacy-Preserving Fingercod Authentication", *Proceedings of MMSEC 2010, ACM Multimedia and Security Workshop*, 9-10 September 2010, Rome.
64. P. Failla, Y. Sutcu, M. Barni, "eSketch: a Privacy-Preserving Fuzzy Commitment Scheme for Authentication using Encrypted Biometrics", *Proceedings of MMSEC 2010, ACM Multimedia and Security Workshop*, 9-10 September 2010, Rome.
65. A. Abrardo, M. Barni, E. Magli, "Low-complexity lossy compression of hyperspectral images via informed quantization", *Proceedings of ICIP 2010, 17-th IEEE International Conference on Image Processing*, 27-29 September 2010, Hong-Kong.
66. M. Barni, T. Bianchi, D. Catalano, M. Di Raimondo, R. Donida Labati, P. Failla, D. Fiore, R. Lazzeretti, V. Piuri, A. Piva, F. Scotti., "A Privacy-compliant Fingerprint Recognition System Based on Homomorphic Encryption and Fingercod Templates", *Proceedings of BTAS 2010, IEEE Fourth International Conference On Biometrics: Theory, Applications And Systems*, Washington DC, USA, September 27-29, 2010.
67. M. Barni, J. Guajardo, R. Lazzeretti, "Privacy preserving evaluation of signal quality with application to ECG analysis", *Proceedings of WIFS 2010, IEEE Second International Workshop on Information Forensics and Security*, 12-15 December 2010, Seattle, USA.

Altri lavori

1. Piva, R. Caldelli, and M. Barni, "Video Watermarking: Approaches, Applications, and Perspectives," in *Intelligent Watermarking Techniques*, J. S. Pan, H.-C. Huang, and L. C. Jain eds., pp. 561-592, World Scientific Publishing Company, Singapore, 2004.
2. M. Barni, F. Bartolini, A. De Rosa, "Perceptual data hiding in still images", in *Multimedia Security: Steganography and Digital Watermarking Techniques for Protection of Intellectual Property*, C-S. Liu ed., pp. 48-74, Idea Group Publishing, 2004.
3. A. Piva, R. Caldelli, A. De Rosa, M. Barni, V. Cappellini, "Watermarking techniques for DRM applications", *Digital Rights Management for E-Commerce Systems*, T. S. Papatheorodou, Dr. D. K. Tsolis Eds., Information Science Reference publisher, New York, September 2008, pp. 71-100.

Editoriali & Special Issue

1. M. Barni, F. Perez-Gonzalez "Pushing Science into Signal Processing", *IEEE Signal Processing Magazine*, vol. 22, no. 4, pp. 119-120, July 2005.
2. M. Barni, G. Doerr, I.J. Cox, "Steganography and digital watermarking" *IEE Proceedings on Information Security – Special Issue on Steganography and digital watermarking*, vol. 153, no. 3, September 2006, pp. 75-75.
3. G. J. Sullivan, J-R. Ohm, A. Ortega, E. Delp, A. Vetro, M. Barni, "Future of video coding and transmission", *IEEE Signal Processing Magazine*, vol. 23, no. 6, November 2006, pp. 76-82.
4. M. Barni, J-A. Beraldin, C. Lahanier, A. Piva, "Signal Processing in Visual Cultural Heritage", *IEEE Signal Processing Magazine*, vol. 25, no. 4, July 2008, pp. 10.12.