

MAURO BARNI
Complete list of publications
November 2012

A. Master and PhD Thesis

- A.1 M. Barni, "*Il Restauro delle Immagini Numeriche con Applicazioni ai Beni Culturali*"; Master thesis in Electronic Engineering, Firenze 1990.
- A.2 M. Barni, "*Un Sistema Intelligente per l'Ispezione Automatica di Prodotti Alimentari*"; PhD thesis, Telecommunication and Computer Science Engineering, VII Ciclo, Firenze 1994.

B. Journals

- B.1 F.Argenti, M.Barni, V.Cappellini, A.Mecocci: "A vector median deblurring filter for color image restoration"; *Electronic Letters*, Vol.27. No.21, pp. 1899-1900, October 1991.
- B.2 M.Barni, V.Cappellini, A.Mecocci: "Elaborazione numerica delle immagini a colori."; *Alta Frequenza*; vol.IV, n°2, pp. 67-76, Marzo-Aprile 1992.
- B.3 F.Argenti, M.Barni, G.Benelli, V.Cappellini, A.Mecocci, "Broadband network applications in the fine arts world", *Science and Technology for Cultural Heritage, Journal of the "Comitato Nazionale per la Scienza e la Tecnologia dei Beni Culturali"*, CNR, 1, pp. 97-100, 1992.
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- B.5 M.Barni, V.Cappellini, M.Mattioli, A.Mecocci, S.Zipoli, "Scene inspection in complex heterogeneous environments by means of knowledge-maps", *Information Services and Use*, vol.13, n.3, pp. 247-277, 1993.
- B.6 M.Barni, V.Cappellini, A.Mecocci: "Fast vector median filter based on euclidean norm approximation", *IEEE Signal Processing Letters*, vol.1, n.6, June 1994.
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- B.8 D.Baldini, M.Barni, G.Benelli, A.Foggi, A.Mecocci, "Star-configuration searching for satellite attitude computation", *IEEE Transactions on Aerospace and Electronic Systems*, vol.31, n.2, pp. 768-777, April 1995.
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- B.10 M.Barni, V.Cappellini, A.Mecocci, «Colour-based detection of defects on chicken meat», *Image and Vision Computing*, vol. 15, no. 7, pp. 549-556, July 1997.
- B.11 M.Barni, «A fast algorithm for 1-norm vector median filtering», *IEEE Transactions on Image Processing*, vol. 6, no. 10, pp. 1452-1455, October 1997.
- B.12 M.Barni, F.Bartolini, V.Cappellini, A.Piva, «A DCT-domain system for robust image watermarking », *Signal Processing*, vol. 66, no. 3, pp. 357-372, May 1998.
- B.13 M.Barni, F.Bartolini, V.Cappellini, A.Piva, «Copyright protection of digital images by embedded unperceivable marks», *Image and Vision Computing*, vol. 16, no. 12-13, pp. 897-906, August 1998.
- B.14 M.Barni, V.Cappellini, «On the computational complexity of multivariate median filters"; *Signal Processing*, vol. 71, no. 1, pp. 45-54, November 1998.
- B.15 L.Alparone, M.Barni, F.Bartolini, R.Caldelli, «Regularization of optic flow estimates

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- B.17 M.Barni, F.Bartolini, V.Cappellini, “Image processing for virtual restoration of artworks”, *IEEE Multimedia Magazine*, vol. 7, no. 2, pp. 34-37, April-June 2000 (invited paper).
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- B.31 A. Piva, M. Barni, F. Bartolini, “Managing Copyright in Open Networks”, *IEEE Internet Computing*, Vol. 6, no. 3 , May/Jun 2002, pp. 18-26.
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C. Conferences and Workshops

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