

Elisabetta Binaghi - Publications

A- Refereed Papers in Journals

- [1] Gonella, G.; Binaghi, E.; Nocera, P.; Mordacchini, C. Investigating the Behaviour of Machine Learning Techniques to Segment Brain Metastases in Radiation Therapy Planning. *Appl. Sci.* 2019, 9, 3335.
- [2] Alberto Arturo Vergani, Samuele Martinelli & Elisabetta Binaghi (2019) Resting state fMRI analysis using unsupervised learning algorithms, *Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization*, DOI: 10.1080/21681163.2019.1636413, 2019.
- [3] E. Binaghi, A. Vergani, A. Montalbetti, R. Minotto, S. Strocchi, V. Pedoia, S. Balbi. Computation and Management of Weighted Activation Vectors in Support to fMRI Analysis of Clinical Subjects. *Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualisation*. DOI:10.1080/21681163.2018.1501767, 2018.
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- [9] V. Pedoia, E. Binaghi. Automatic MRI 2D Brain Segmentation using Graph Searching Technique. *International Journal for Numerical Methods in Biomedical Engineering*, 29 (9):887-904, 2012.
- [10] M. Carullo, E. Binaghi, I. Gallo, An online document clustering technique for short web contents. *Pattern Recognition Letters*, 30(10):870-876, 2009.
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- [15] Macchi, C. Mangano, M. Inversini, A. Norcini, E. Binaghi. Scaffold individualizzati (custom made) nella rigenerazione ossea dei mascellari. *Implantologia Orale*, 4:7-15, 2006.
- [16] Boschetti M., I. Gallo, P. A. Brivio, E. Binaghi, Spectral/spatial data fusion by neural network techniques to retrieve vegetation understory information. *Rivista Italiana di Telerilevamento*, n. 33/34, 47-59. ISSN: 1129-8596, 2005.
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B- Editor of special issues of refereed journal

- [1] E. Binaghi, A. Belward, P.A. Brivio, G.A. Lanzarone, G.Tosi, *Geospatial Knowledge Processing for Natural Resource Management*, *International Journal of Remote Sensing*, 24(20)20, 2003.
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- [1] E. Binaghi E; G.A. Lanzarone , M. Raspanti. Elaborazione di oggetti visuali in ambito biomedico. Varese: Insubria University Press, 2008.
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D- Publications in Edited Books

- [1] E. Binaghi, V. Pedoia, D. Lattanzi, E. Monti, S. Balbi, R. Minotto. On the evaluation of automated MRI Brain Segmentations: technical and conceptual tools. In J. M. R.S. Tavares, R.M. Natal Jorge editors, Developments in Medical Image Processing and Computational Vision – Lecture Notes in Computational Vision and Biomechanics, Volume 19, pp.5-24, Springer, 2014.
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E- Refereed Abstracts in Journals

- [1] E. Monti, S. Balbi, V. Pedoia, E. Binaghi, R. Minotto, M. Mauri, S. Sangiorgi, A. De Benedictis, Prognostic relevance of longitudinal brain atrophy estimation in post-traumatic diffuse axonal injury. Journal of Neurotrauma, vol. 31 (5): A66-A66, 2014
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F-Publications in Refereed Conference Proceedings

- [1] Samuele Martinelli, Alberto Arturo Vergani, Elisabetta Binaghi. Comparison of validity indexes for fuzzy clusters of fMRI data, in Proceedings of VII ECCOMAS Conference on Computational Vision and Medical Image Processing (VipImage 2019), Porto 16-18 October, In Press.
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- [12] V. Pedroia, S. Balbi, E. Binaghi. Fully Automatic Brain Tumor Segmentation by using Competitive EM and Graph Cut. Proceedings of International Conference on Image Analysis and Processing (ICIAP 2015) (V. Murino and E. Puppo eds.), Part I, LNCS 9279, pp. 568–578, Springer International Publishing Switzerland, ISBN 978-3-319-23230-0, Genova 7-11 September 2015.
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