

Elisabetta Binaghi - Publications

A- Refereed Papers in Journals

- [1] 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*, 2018. Submitted.
- [2] E. Binaghi, V. Pedoia, S. Balbi. Meningioma and Peritumoral Edema Segmentation of Preoperative MRI Brain Scans. *Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualisation*, DOI:10.1080/21681163.2016.1250108, 2016.
- [3] E. Binaghi, V. Pedoia, S. Balbi. Collection and fuzzy estimation of truth labels in glial tumour segmentation studies. *Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualisation*, 4 (3-4), pp. 214-228, 2016.
- [4] M. Vanetti, E. Binaghi, E. Ferrari, B. Carminati, M. Carullo. A System to Filter Unwanted Messages from OSN User Walls. *IEEE Trans. On Knowledge and Data Engineering*, 25(2):285-297, 2013.
- [5] E. Binaghi, V. Pedoia, A. Guidali, M. Guglielmin. Snow cover thickness estimation using radial basis function networks. *The Cryosphere*, 7(3):841-854, 2013.
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- [7] 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.
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- [14] 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

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C- Editor in Edited Books and Proceedings

- [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. Padoia, 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

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F-Publications in Refereed Conference Proceedings

- [1] A. Vergani, E. Binaghi, S. Martinelli, S. Strocchi, Resting State fMRI Functional Connectivity Analysis using Soft Competitive Learning Algorithms, in Proceedings of 15th International Symposium on Computer Methods in Biomechanics and Biomedical Engineering and the 3rd Conference on Imaging and Visualization (CMBBE2018), Lisboa, Portugal, March 26-29 2018. In Press.
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- [7] V. Pedoia, 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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- [12] V. Pedoia, S. Strocchi, R. Minotto, E. Binaghi. Hemisphere Dominance Evaluation by using fMRI Activation Weighted Vector. Proceedings of Computational Modelling of Object Presented In Images: Fundamentals, Methods and Applications (Di Giamberardino et al. eds), ISBN:9780415621342, pp.303-306, Taylor&Francis Group, Rome, September 2012.

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