

Publications List (2018)

THÈSIS ET BOOKS

Thesis

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- [2] Barillot, C. (1984), “Méthodes de reconstruction tridimensionnelles et de synthèse d'images appliquées à la représentation des structures morphologiques en médecine” Thèse de Doctorat, Université de Rennes I, Rennes.

Books

- [1] Barillot, C., M. Dojat , D. Kennedy and W. Niessen (2015). MAPPING 2015 - 1st MICCAI Workshop on MAnagement and Processing of images for Population ImagiNG. Munich, D, MICCAI 2015 workshop.
- [2] Golland, P., N. Hata, C. Barillot, J. Hornegger and R. Howe (2014). Medical Image Computing and Computer-Assisted Intervention – MICCAI 2014, Proceedings, Part III. Boston, MA, Springer-International Publishing.
- [3] Golland, P., N. Hata, C. Barillot, J. Hornegger and R. Howe (2014). Medical Image Computing and Computer-Assisted Intervention – MICCAI 2014, Proceedings, Part II. Boston, MA, Springer-International Publishing.
- [4] Golland, P., N. Hata, C. Barillot, J. Hornegger and R. Howe (2014). Medical Image Computing and Computer-Assisted Intervention – MICCAI 2014, Proceedings, Part I. Boston, MA, Springer-International Publishing.
- [5] Mori, K., I. Sakuma, Y. Sato, C. Barillot and N. Navab (2013). Medical Image Computing and Computer-Assisted Intervention – MICCAI 2013 - Part 3. Nagoya, Japan, Springer-Verlag.
- [6] Mori, K., I. Sakuma, Y. Sato, C. Barillot and N. Navab (2013). Medical Image Computing and Computer-Assisted Intervention – MICCAI 2013 - Part 2. Nagoya, Japan, Springer-Verlag.
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- [8] Collins D. L., and Barillot C. (2009). “International Workshop on Medical Image Analysis on Multiple Sclerosis Multiple Sclerosis (validation and methodological issues)” MIAMS, [online](#), London, UK, 116.
- [9] Barillot C., and Collins D. L. (2008). “Proceedings of the First International Workshop on Medical Image Analysis on Multiple Sclerosis Multiple Sclerosis (validation and methodological issues).” MIAMS, New York, USA., [online](#)
- [10] Barillot, C., Haynor, D. R., and Hellier, P. (2004). Medical Image Computing and Computer-Assisted Intervention -- MICCAI 2004 - Part I, Springer-Verlag, ISBN 3-540-22976-0.
- [11] Barillot, C., Haynor, D. R., and Hellier, P. (2004). Medical Image Computing and Computer-Assisted Intervention -- MICCAI 2004 - Part II, Springer-Verlag, ISBN 3-540-22977-9.
- [12] Bizais, Y., Barillot C., and DiPaola, R. (1995). Information Processing in Medical Imaging, Kluwer Academic Publishers, Dordrecht, The Netherlands, ISBN 0-7923-3593-7.

PEER-REVIEWED JOURNALS

- [1] D. Arnold, J.-P. Ranjeva, J. Pelletier, C. Barillot, B. Jean, D. Galanaud, L. Pierot, G. Edan, P. Clavelou, F. Sedel, A. Tourbah, and I. Berry, "MD1003 in Progressive Multiple Sclerosis: 24-Month Brain Volume Changes of the MS-SPI Trial (P6.365)," *Neurology*, vol. 90, 2018.
- [2] [A. Carsin-Vu, I. Corouge, O. Commowick, G. Bouzillé, C. Barillot, J.-C. Ferré, and M. Proisy, "Measurement of pediatric regional cerebral blood flow from 6 months to 15 years of age in a clinical population," *European Journal of Radiology*, vol. 101, pp. 38-44, 2018.
- [3] S. Chatterjee, O. Commowick, O. Afacan, B. Combes, S. K. Warfield, and C. Barillot. (2018), A three year follow-up study of gadolinium enhanced and non-enhanced regions in multiple sclerosis lesions using a multi-compartment T2 relaxometry model. *bioRxiv*. Available: <https://www.biorxiv.org/content/biorxiv/early/2018/07/09/365379.1.full.pdf>
- [4] M. Fleury, C. Barillot, M. Mano, E. Bannier, and P. Maurel. Automated Electrodes Detection during simultaneous EEG/fMRI. *bioRxiv*. Available: <https://www.biorxiv.org/content/early/2018/08/20/395806>, 2018
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- [6] B. Combès, A. Kerbrat, J. C. Ferré, V. Callot, J. Maranzano, A. Badji, E. Le Page, P. Labauge, X. Aygnac, C. Carra Dallièrè, N. M. de Champfleury, J. Pelletier, A. Maarouf, J. de Seze, N. Collongues, D. Brassat, F. Durand-Dubief, C. Barillot, E. Bannier, and G. Edan, "Focal and diffuse cervical spinal cord damage in patients with early relapsing–remitting MS: A multicentre magnetisation transfer ratio study," *Multiple Sclerosis Journal*, vol. 0, p. 1352458518781999, 2018.
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- [10] A. Carass, S. Roy, A. Jog, J. L. Cuzzocreo, E. Magrath, A. Gherman, J. Button, J. Nguyen, F. Prados, C. H. Sudre, M. Jorge Cardoso, N. Cawley, O. Ciccarelli, C. A. M. Wheeler-Kingshott, S. Ourselin, L. Catanese, H. Deshpande, P. Maurel, O. Commowick, C. Barillot, X. Tomas-Fernandez, S. K. Warfield, S. Vaidya, A. Chundurur, R. Muthuganapathy, G. Krishnamurthi, A. Jesson, T. Arbel, O. Maier, H. Handels, L. O. Ithème, D. Unay, S. Jain, D. M. Sima, D. Smeets, M. Ghafoorian, B. Platel, A. Birenbaum, H. Greenspan, P.-L. Bazin, P. A. Calabresi, C. M. Crainiceanu, L. M. Ellingsen, D. S. Reich, J. L. Prince, and D. L. Pham, "Longitudinal multiple sclerosis lesion segmentation: resource & challenge," *NeuroImage*, vol. 148, pp. 77-102, Mar 1 2017.
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- [17]L. Perronnet, A. Lecuyer, M. Mano, E. Bannier, F. Lotte, M. Clerc, and C. Barillot, "Unimodal Versus Bimodal EEG-fMRI Neurofeedback of a Motor Imagery Task," *Front Hum Neurosci*, vol. 11, p. 193, 2017.
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- [1] S. Chatterjee, O. Commowick, O. Afacan, S. Warfield, K, and C. Barillot, "Identification of Gadolinium contrast enhanced regions in MS lesions using brain tissue microstructure information obtained from diffusion and T2 relaxometry MRI," presented at the 21st International Conference on Medical Image Computing and Computer Assisted Intervention – MICCAI, Granada, Spain, 2018.
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