MISS2014 – Reading group papers

ALL: Introductory paper for Monday – start at 17:15 (Mike Brady/Julia Schnabel):
MP Heinrich, M Jenkinson, M Bhushan, T Matin, FV Gleeson, Sir M Brady, JA Schnabel.
MIND: Modality Independent Neighbourhood Descriptor for multi-modal deformable registration.
Medical Image Analysis, 16(7):423–435, 2012.
DOI: http://dx.doi.org/10.1016/j.media.2012.05.008

Reading group papers for Wednesday lunchtime – start at 12:20:

GROUP 1 (Mike Brady):
V Potesil, T Kadir, M Brady.
Learning New Parts for Landmark Localization in Whole-Body CT Scans.
IEEE Transactions on Medical Imaging, 33(4):836-848, 2014.
DOI: http://dx.doi.org/10.1109/TMI.2013.2291711

GROUP 2 (Dorin Comaniciu):
O Zettinig, T Mansi, D Neumann, B Georgescu, S Rapaka, P Seegerer, E Kayvanpour, F Sedaghat-Hamedani, A Amr, J Haas, H Steen, HA Katus, B Meder, N Navab, A Kamen, D Comaniciu.
Data-Driven Estimation of Cardiac Electrical Diffusivity from 12-Leed ECG Signals, Medical Image Analysis, 2014 (in press).
DOI: http://dx.doi.org/10.1016/j.media.2014.04.011

GROUP 3 (Herve Delingette):
Image Guided Personalization of Reaction-Diffusion Type Tumor Growth Models Using Modified Anisotropic Eikonal Equations.
E Konukoglu, O Clatz, BH Menze, M-AWeber, B Stieltjes, E Mandonnet, H Delingette, N Ayache.
IEEE Transactions on Medical Imaging, 29(1):77-95, 2010.
DOI: http://dx.doi.org/10.1109/TMI.2009.2026413
MATLAB code link

GROUP 4 (Guido Gerig):
S Durrleman, X Pennec, A Trouvé, J Braga, G Gerig, N. Ayache.
Toward a comprehensive framework for the spatiotemporal statistical analysis of longitudinal shape data.
International Journal of Computer Vision, 103(1):22-59, 2013.
DOI: http://dx.doi.org/10.1007/s11263-012-0592-x

GROUP 5 (Polina Golland):
K Van Leemput, F Maes, D Vandermeulen, P Suetens.
Automated Model-Based Bias Field Correction of MR Images of the Brain.
IEEE Transactions on Medical Imaging, 18(10):885-896, 1999
DOI: http://dx.doi.org/10.1109/42.811268

GROUP 6 (Nassir Navab): TBA
C Bichlmeier, SM Heining, M Feuerstein, N Navab,
The Virtual Mirror: A New Interaction Paradigm for Augmented Reality Environments.
IEEE Transactions on Medical Imaging 28(9):1498-1510, 2009.

DOI: http://dx.doi.org/10.1109/TMI.2009.2018622

GROUP 7 (Nikos Paragios):
A Delong, A Osokin, H Isack, Y Boykov.
Fast Approximate Energy Minimization with Label Costs.
International Journal of Computer Vision, 96(1):1-27, 2012
DOI: http://dx.doi.org/10.1007/s11263-011-0437-z

GROUP 8 (Xavier Pennec):
X Pennec, P Fillard, N Ayache.
A Riemannian Framework for Tensor Computing.
International Journal of Computer Vision, 66(1):41-66, 2006.
DOI: http://dx.doi.org/10.1007/s11263-005-3222-z

GROUP 9 (Tim Salcudean):
SE Salcudean, RS Sahebjavaher, O Goksel, A Baghani, SS Mahdavi, G Nir, R Sinkus, M Moradi.
Biomechanical modeling of the prostate for procedure guidance and simulation.
In Proc. Soft Tissue Biomechanical Modeling for Computer Assisted Surgery, Studies in Mechanobiology, Tissue Engineering and Biomaterials Volume 11, pp 169-198. Springer Berlin Heidelberg, 2012.
DOI: http://dx.doi.org/10.1007/8415_2012_121

GROUP 10 (Ramin Zabih):
J Kim and R Zabih.
A Segmentation Algorithm for Contrast-Enhanced Images.
In Proc. 9th IEEE International Conference on Computer Vision (ICCV), 2003. pp 502 - 509 vol.1
DOI: http://dx.doi.org/10.1109/ICCV.2003.1238389