MICCAI-Grid Workshop Program Thursday September 24th, 2009 9am – 6pm		
09:00	OPENING Speech David Manset and Chiara Barattieri	
09:10	PART 1 - GPU-Based Image Processing	
	 Morning Keynote lecture "Current Research and Requirements in Computational Anatomy" Invited Speaker: Anthony Kolasny, Center for Imaging Science Human Language Technology Center of ExcellenceInstitute for Computational Medicine Department of Biomedical EngineeringWhiting School of Engineering Abstract: Computational Anatomy (CA) (Grenander and Miller, 1998). CA has three princip aspects: (i) automated construction of anatomical manifolds, points, curves, surfaces an subvolumes, (ii) comparison of these manifolds, and (iii) the statistical codification of the variabili of anatomy via probability measures allowing for inference and hypothesis testing of disease state. The presentation will review CA goals and provide applications in current research. Computational requirements and current solutions will be highlighted. 	
09:50	Research Presentations	
	"2D/3D Registration at 1Hz Using GPU Splat Rendering" C. Gendrin, J. Spoerk, C. Weber, M. Figl,D. Georg, H. Bergmann and W. Birkfellner	
	"A Parallel Annealing Method For Automatic Color Cervigram Image Segmentation" E. Kim, W. Wang, H. Li, X. Huang	
	10:30 - 11:00 Coffee break	
11:00	"Using GPUs for Fast Computation of Functional Networks from fMRI Activity" A. Ravishankar Rao, R. Bordawekar, G. Cecchi	
	"A Self-Optimizing Histogram Algorithm for Graphics Card Accelerated Image Registration" T. Brosch and R. Tam	
11:40	Poster Session - Part 1 List of Posters on display to be announced later	

14:00	PART 2 - GRID-Based Image Processing
	Afternoon Keynote lecture
	"The CBRAIN Project" Invited Speaker: Marc-Etienne Rousseau, Montreal Neurological Institute, Brain Imaging Center at McGill University
	Abstract: will be communicated later
14:40	Research Presentations
	"Automatic Annotation of 3D Multi-Modal MR Images on a Desktop Grid" C. Basso, M. Ferrante, M. Santoro and A. Verri
	"A Comparison between ARC and gLite for Medical Image Processing on Grids" T. Glatard, X. Zhou, S. Camarasu–Pop, O. Smirnova and H. Muller
	"Plugin Grid: A Fully Virtualized Grid Cluster" M. Niinimaki, X. Zhou, A. Depeursinge, and H. Muller
	15:40 - 16:00 Coffee break
16:00	"A Neuroscience Grid-Enabled Portal for the Portuguese Brain Imaging Network" I. Oliveira, J. Paulo Silva Cunha, D. Pacheco, J. M. Fernandes, M. Pedrosa, L. Alves and A. S. Pereira
	"Sentinel Network for Cancer Surveillance on a Grid Infrastructure" P. De Vlieger, J-Y. Boire, V. Breton, Y. Legré, D. Manset, J. Revillard, D. Sarramia and L. Maigne
16:40	Open Roundtable
	"Interoperability Highlights on NeuroSciences" Chairman: Salvator Roberto Amendolia